# Final Report

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# *Advisory Committee on Human Radiation Experiments*

**Supplemental Volume 2a**

DOE/EH--96001976

# Final Report

# ADVISORY COMMITTEE ON HUMAN RADIATION EXPERIMENTS

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## Supplemental Volume 2a

## Sources and Documentation Appendices

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# *Contents*

The appendices in this volume are separately paginated,
with page numbers beginning with the letter of the appendix.


A Records at the Washington National Records Center Reviewed in Whole or Part by DOD Personnel or Advisory Committee Staff

B Brief Descriptions of Records Accessions in the ACHRE Research Document Collection, with Subject Index

C Bibliography of Secondary Sources Used by the Advisory Committee

D Brief Descriptions of Human Radiation Experiments Identified by ACHRE, with Indexes

E Documents Cited in the ACHRE Final Report and Other Separately Described Materials from the ACHRE Document Collection, with Subject Index

F Schedule of Advisory Committee Meetings and Meeting Documentation

G Technology Note

**ADVISORY COMMITTEE ON HUMAN RADIATION EXPERIMENTS**
**1726 M STREET, N.W., SUITE 600**
**WASHINGTON, D.C. 20036**

October 1995

To the Members of the Human Radiation Interagency Working Group:

*Secretary Hazel O'Leary, Department of Energy*
*Secretary William Perry, Department of Defense*
*Attorney General Janet Reno, Department of Justice*
*Secretary Donna Shalala, Department of Health and Human Services*
*Secretary Jesse Brown, Department of Veterans Affairs*
*Director Alice Rivlin, Office of Management and Budget*
*Director John Deutch, Central Intelligence Agency*
*Administrator Daniel Goldin, National Aeronautics and Space Administration*

On behalf of the Advisory Committee on Human Radiation Experiments, it is my privilege to transmit to you our Final Report.

Since the Committee's first meeting in April 1994 we have been able to conduct an intensive inquiry into the history of government-sponsored human radiation experiments and intentional environmental releases of radiation that occurred between 1944 and 1974. We have studied the ethical standards of that time and of today and have developed a moral framework for evaluating these experiments. Finally, we have examined the extent to which current policies and practices appear to protect the rights and interests of today's human subjects. This report documents our findings and makes recommendations for your consideration.

The committee listened to the testimony of more than 200 public witnesses who appeared before us. We are deeply grateful to all these witnesses, who overcame the obstacles of geography and emotions to assist us.

Our work and this report would not have been possible without the extraordinary effort the President and you put forward to open the government's records to our inquiry and thus to the nation. We are especially pleased that, through our joint efforts, the American people now have access to the tens of thousands of documents that bear on this important history.

None of our conclusions came easily. We endeavored, both as individuals and as a committee, to live up to the responsibility with which we were entrusted. This report represents the consensus of fair-minded people who gave the best they had to offer to their fellow citizens.

We thank President Clinton for this opportunity and for his courage and leadership in appointing the Advisory Committee.

Ruth R. Faden
Chair, Advisory Committee
on Human Radiation Experiments

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# SUPPLEMENTAL VOLUME 2A

# SOURCES AND DOCUMENTATION APPENDICES

# APPENDIX A

## RECORDS AT THE WASHINGTON NATIONAL RECORDS CENTER REVIEWED IN WHOLE OR PART BY DOD PERSONNEL OR ADVISORY COMMITTEE STAFF

**Record Group #52 (Navy Bureau of Medicine and Surgery)**

#66-5416 - Unclassified Bureau of Medicine and Surgery (BUMED) files
#69-4244 - Unclassified BUMED advisory committee records
#70-5700 - Unclassified Medical Research Project Reports
#73-0002 - Unclassified BUMED Central Files
#73-0694 - Unclassified BUMED advisory committee records
#75-0003 - Unclassified Armed Forces Epidemiological Board records
#84-0003 and #84-0004 - Unclassified BUMED (Med 21) files
#89-0001 through #89-0003 - Unclassified Medical R&D Command files

**Record Group #112 (Army Office of Surgeon General)**

#50-0089 - Classified 1945-1946 decimal files
#52-0184 - Unclassified Medical Research and Development Board files from the late 1940s
#52-0284 - Classified 1947-1948 Central Files, Geographic Files, and 201 Files
#54-0064 - Unclassified Central Files from the late 1940s
#54-0260 and #54-0261 - Classified 1949-1950 Central Subject Files
#56-0151 - Unclassified and classified minutes of the 1950-1954 meetings of the Advisory Board of the Society of Medical Consultants
#56-0174 - Unclassified 1949-1953 R&D Project Files
#56-0179 - Classified 1941-1953 Central Subject Files, Geographic Files, and Bulky Files
#56-0198 - Unclassified 1951-1953 Central Subject Files, Geographic Files, and Bulky Files
#57-0070 - Unclassified 1947-1954 Central Subject Files and 1946-1954 Biophysics Research Branch R&D Progress Reports
#57-0071 - Classified 1953-1954 Central Subject Files, Geographic Files, and 095 Personal Files
#58-1094 - Unclassified minutes of 1955 meetings of the Advisory Board of the Society of Medical Consultants - Unclassified 1955 Central Subject Files and 095 Files -Unclassified 1948-1955 R&D Project Files, R&D progress reports, and R&D contract files
#58-1095 - Classified 1955 Central Subject Files and Geographic Files

#59-2002 - Classified 1956 Central Subject Files, Geographic Files, and 095 Files
#59-2003 - Unclassified 1956 Central Subject Files and Geographic Files - Unclassified 1950-1956 R&D Project Control Files and R&D progress reports
#60-1241 - Unclassified 1957 Central Subject Files, Bulky files, and 095 Files - Unclassified 1957 R&D contract files and R&D progress reports
#60-1241 - Classified 1957 Central Subject Files and Geographic Files - Classified 1941-1957 Medical Intelligence Division files
#61-1527 - Unclassified 1958 Central Subject Files, Geographic Files, and 095 Files - Unclassified 1958 R&D Project Control Files
#61-1530 - Unclassified and classified 1958 Central Subject Files, Geographic Files and 095 Files
#62-1582 - Unclassified 1959 Central Subject Files, Geographic Files, and 095 Files - Unclassified 1959 R&D General Administration files
#62-1583 - Unclassified 1957-1959 R&D Project Control Files and R&D progress reports
#62-1584 - Unclassified and classified 1959 Central Subject Files, Geographic Files, and 095 Files
#63-1603 - Unclassified 1960 Central Subject Files, Geographic Files, and 095 Files - Unclassified 1960 R&D General Administration files
#63-1604 - Classified 1960 Central Subject Files, Geographic Files, and 095 Files
#63-1605 - Unclassified 1952-1958 legal administration files - Unclassified 1960 R&D contract files
#63-3173 - Classified 1962 Central Subject Files, Geographic Files, and 095 Files
#63-3174 - Unclassified 1950-1962 R&D Project Control Files
#64-2161 - Unclassified 1953-1961 Publication Background Files - Unclassified 1946-1959 R&D Project Control Files
#64-2466 - Unclassified 1964 R&D files
#65-3172 - Unclassified 1962 Central Subject Files, Geographic Files, and 095 Files
#66-3014 - Unclassified 1963 R&D contract files
#66-3256 - Unclassified 1963 Central Subject Files, Geographic Files, and 095 Files
#66-3262 - Unclassified 1945-1963 R&D administration files, 1950-1963 R&D contract files, and 1957-1963 R&D program progress reports
#67-4510 - Classified 1963 subject-numeric files
#67-4511 - Unclassified 1954-1964 R&D program progress reports
#67-4512 - Unclassified 1944-1963 R&D administration files
#67-4809 - Unclassified 1964 subject-numeric files
#67-4810 - Classified 1964 subject-numeric files
#67-4813 - Unclassified 1963-1965 R&D Project Control Files and 1956-1964 Medical Research Branch reports
#68-0376 - Unclassified 1957-1964 Medical Research Branch reports
#68-3358 - Unclassified 1965 subject-numeric files
#69-0127 - Unclassified Judge Advocate General files
#69-0128 - Unclassified 1960-1966 Medical Research Branch R&D Project Control Files
#69-2603 - Classified 1965-1966 subject-numeric files
#69-2606 - Unclassified Judge Advocate General files
#69-2608 - Unclassified 1966 R&D Project Control Files of the Medical Research Division and Nuclear, Biological, and Chemical Sciences Division
#69-3361 - Unclassified 1954-1965 Medical Research Branch reports and 1967 Medical Research Branch R&D Project Control Files
#69-7465 - Unclassified R&D administration files and R&D Project Control Files

*Sources and Documentation*

#70-2772 - Unclassified 1967 subject-numeric files
#71-3154 - Unclassified 1968 subject-numeric files
#71-3158 - Unclassified R&D administration files
#71-3159 - Unclassified records from the 1960s of the Commission on Radiation and Infection, Armed Forces Epidemiological Board
#72-3500 - Classified 1969 subject-numeric files
#72-3501 - Unclassified 1969 subject-numeric files
#73-0014 - Unclassified legal files
#73-0022 through #73-0024 - Unclassified R&D Project Control Files
#73-0028 - Unclassified 1959-1966 Medical Research Branch administration files
#74-0012 - Unclassified 1971 subject-numeric files
#74-0022 through #74-0025 - Unclassified 1971 R&D Project Control Files
#74-0026 - Classified 1971 subject-numeric files
#75-0008 - Unclassified 1972 subject-numeric files
#75-0013 - Unclassified 1968-1972 Radiation Energy Research Branch files

**Record Group #175 (Chemical Warfare Service, Chemical Corps, and their successors)**

#56-572 - Unclassified 1953-1954 Chemical Corps R&D Command (R&D Command) files
#57-393 - Unclassified 1953-1954 Office of the Chief Chemical Officer (OCChO) files
#59-1403 - Classified 1955-1956 OCChO and R&D Command files - Unclassified and classified 1935-1957 records of the Chemical Warfare Technical Committee and Chemical Corps Technical Committee (CCTC)
#59-1404 - Unclassified 1955-1956 OCChO and R&D Command files
#60-1249 - Classified 1950-1957 OCChO files - Classified 1957 R&D Command files - Classified 1957 CCTC records - Classified 1950-1954 Chemical Corps Advisory Council (Advisory Council) records
#61-1548 - Unclassified 1957-1958 OCChO and R&D Command files
#61-1550 - Classified 1958 OCChO and R&D Command files - Unclassified and classified 1954-1955 Advisory Council records - Classified 1948 Research Council reports - Classified and unclassified 1954-1955 Army Chemical Center Medical Committee records
#62-1608 - Unclassified 1959 OCChO and R&D Command files
#62-1609 - Classified 1959 OCChO and R&D Command files
#63-1464 and #63-1465 - Classified 1960 OCChO and R&D Command files
#81-0001 - Classified 1953-1964 Advisory Council records - Classified Tripartite Conference records from the 1950s and early 1960s - Classified R&D progress reports and historical summaries of various Chemical Corps components from the 1950s and 1960s
#81-0002 - Classified R&D progress reports and historical summaries of various Chemical Corps components from the 1950s - Classified Research Council records from the late 1940s - Classified Advisory Council records from 1956-1964 - Classified 1953-1960 CCTC records
#81-0003 - "Sub", "Stat", and "Misc" files
#81-0008 - Classified histories from the late 1940s and early 1950s of various Chemical Corps components
#82-0002 - Classified files of "Dr. Sims"on various medical research conducted by or for the Chemical Corps

**Record Group #298 (Office of Naval Research)**

NOTE: There is no description available of the contents of the following accessions. They contain records of the Life Sciences Division, Office of Naval Research, from the period 1946-1966. Many of the accessions are classified.

#59-0805, #59-0808, #59-1850, #60-1503, #60-1618, #60-1623, #60-1935, #60-1937, #60-1984, #60-2330, #60-2444, #60-2446, #60-2807, #61-1960, #61-2292, #61-2293, #61-2644, #62-1911, #62-2039, #62-2303, #62-2690, #62-2756, #62-3250, #63-2706, #63-2766, #63-2767, #63-3057, #63-3313, #64-3734, #64-3987, #64-4009, #64-4014, #64-4015, #64-4230, #64-4225, #64,4330, #64-4354, #65-4213, #65-4800, #65-4801, #65-4802, #65-4803, #65-4931, #65-5055, #65-5274, #65-5277, #66-4161, #66-3418, #66-4792, #66-4832

**Record Group #330 (Office of the Secretary of Defense)**

#52-0303 - Classified 1951-1953 Armed Forces Medical Policy Council (AFMPC) files
#52-0496 - Classified 1951-1953 AFMPC files
#58-1095 - Classified agendas of the 1951-1953 meetings of the AFMPC
#59-0184 - Classified 1949-1955 files of the Medical Services Division, Office of Medical Services, AFMPC, and Assistant Secretary of Defense (Health and Medical)
#59-0793 - Classified records of dissolved boards and committees
#59-0949 - Classified 1953-1954 subject files of the Secretary of Defense (SECDEF), Deputy Secretary of Defense (DSECDEF), and Special Assistants
#59-1216 - Classified 1949-1956 files of the Medical Services Division, Office of Medical Services, AFMPC, and Assistant Secretary of Defense (Health and Medical)
#59-2376 - Classified 1955 SECDEF and DSECDEF subject files
#60-1186 - Classified 1949-1954 Weapons Systems Evaluation Group (WSEG) reports and files
#60-1360 - Classified 1951-1957 files of AFMPC and Assistant Secretary of Defense (Health and Medical), including the agendas, summary minutes, and transcripts of the 1951 AFMPC meetings
#60-1363 - Classified 1947-1953 agendas, summary minutes, and related records of the Committee on Human Resources, Research and Development Board (RDB)
#60-1364 - Classified 1948-1953 agendas, summary minutes, and related records of the Committee on Medical Sciences, RDB
#61-1463 - Classified 1953-1958 WSEG reports and files
#61-1491 - Classified agendas and summary minutes of the 1954-1958 meetings of R&D advisory groups to the Assistant Secretary of Defense (Research and Development) and its successor, the Assistant Secretary of Defense (Research and Engineering)
#61-1639 - Classified 1953-1956 subject files of the Assistant Secretary of Defense (Atomic Energy), or ASD (AE)
#61-1738 - Classified 1947-1953 agendas, summary minutes, and related records of the Committee on Biological Warfare and the Committee on Chemical Warfare, RDB
#61-1739 - Classified 1947-1953 correspondence files of various RDB committees
#61-1885 - Classified 1959 subject-numeric files of the Defense Director of Research and Engineering (DDR&E)
#63-1408 - Classified 1959 Assistant Secretary of Defense (Health and Medical) files

*Sources and Documentation*

#63-1478 - Classified agendas, summary minutes, transcripts, and related records of the 1948-1950 meetings of the War Council and Armed Forces Policy Council (AFPC)
#63-1667 - Classified 1958-1959 Defense Advanced Research Projects Agency (DARPA) subject files
#63-1765 - Classified 1950-1951 SECDEF files
#63-1766 - Classified 1950-1953 SECDEF files
#63-1768 - Classified 1953-1957 SECDEF files
#63-1802 - Classified 1953-1957 SECDEF files
#64-2359 - Classified 1960 DDR&E subject-numeric files
#66-3170 - Classified 1962 DDR&E subject-numeric files
#66-3252 - Classified 1953-1960 congressional testimony of ASD (AE)
#66-3519 - Classified 1955-1960 WSEG correspondence files
#66-3625 - Classified 1947-1953 correspondence files of various RDB committees
#67-4673 - Classified 1957-1962 ASD (AE) reports
#67-4719 - Classified 1957-1962 ASD (AE) subject files
#67-4802 - Classified 1955-1965 ASD (AE) congressional correspondence
#67-4803 - Classified 1951-1964 Military Liaison Committee (MLC) and ASD (AE) subject files
#67-4860 - Classified 1963 DDR&E subject-numeric files
#68-0247 - Classified agendas, summary minutes, and related records of the Committee on Atomic Energy, RDB
#68-1000 - Classified agendas and summary minutes of the 1954-1960 meetings of the Coordinating Committee on Atomic Energy and the Technical Advisory Panel on Atomic Energy
#68-1014 - Unclassified 1948-1962 files of the Medical Services Division, Office of Medical Services, AFMPC, and Assistant Secretary of Defense (Health and Medical)
#68-2658 - Classified 1958-1966 DARPA correspondence files
#68-5157 - Classified 1964 DDR&E subject-numeric files
#68-5329 - Classified 1955-1962 files of the Assistant Secretary of Defense (Research and Development), Assistant Secretary of Defense (Research and Engineering), and DDR&E
#68-6373 - Unclassified 1958-1965 subject files of the Assistant Secretary of Defense (Health and Medical) and the Assistant Secretary of Defense (Manpower)
#68-6374 - Classified 1958-1966 subject files of the Assistant Secretary of Defense (Health and Medical) and the Assistant Secretary of Defense (Manpower)
#68-6453 - Classified 1950-1966 MLC and ASD (AE) subject files
#68-6481 - Classified 1947-1967 MLC and ASD (AE) subject files
#69-1390 - Classified 1946-1957 MLC and ASD (AE) subject files
#69-2243 - Classified 1958-1963 ASD (AE) subject files
#69-5834 - Classified 1962-1966 ASD (AE) subject files
#70-1396 - Classified 1963-1967 ASD (AE) subject files
#70-3731 - Classified 1969 DARPA projects subject files
#70-6003 - Classified 1964-1967 ASD (AE) subject files
#71-4046 - Classified 1964-1968 ASD (AE) subject files
#71-4728 - Unclassified subject files of the Assistant Secretary of Defense (Health and Medical)
#71-6489 - Classified 1961-1966 files of SECDEF, DSECDEF, and various Assistant Secretaries of Defense
#72-2002 - Classified agendas and summary minutes of the 1955-1958 meetings of the Research and Development Policy Council and the Research and Engineering Policy Council
#72-3317 - Classified 1964-1967 DDR&E subject files

#72-3319 - Classified 1967-1968 DDR&E subject files
#72-3320 - Classified 1963 DDR&E subject files
#72-3807 - Classified 1962 DDR&E subject files
#72-3808 - Classified 1959-1961 DDR&E subject files
#72-4120 - Classified 1958-1968 ASD (AE) subject files
#72-7470 - Unclassified 1969 Assistant Secretary of Defense (Manpower) subject files
#72-7871 - Unclassified 1955-1970 Assistant Secretary of Defense (Health and Medical) and Assistant Secretary of Defense (Manpower) subject files
#73-1400 - Classified 1961-1969 ASD (AE) subject files
#73-2413 and #73-2414 - Classified 1961-1969 ASD (AE) subject files
#74-0017 - Classified 1969 DDR&E subject files
#74-0061 - Classified 1963-1971 ASD (AE) subject files
#74-0062 - Classified 1965-1972 ASD (AE) subject files
#74-0067 - Classified agendas and summary minutes of the 1955-1960 MLC meetings
#74-0068 - Classified 1955-1960 MLC files
#74-0094 - Classified 1958-1973 DDR&E files on meetings and conferences
#74-0098 - Classified 1961-1972 DDR&E files
#74-0147 - Classified 1947-1973 MLC and ASD (AE) subject files
#75-0019 - Classified 1969 DARPA orders
#75-0028 - Classified 1948-1971 MLC and ASD (AE) subject files
#75-0098 and #75-0099 - Classified 1947-1972 MLC and ASD (AE) subject files, and classified agendas and summary minutes of 1947-1972 MLC meetings
#75-0047 - Classified 1970 DDR&E general administration files
#76-0015 - Classified 1949-1973 MLC and ASD (AE) subject files
#76-0104 - Classified 1962-1975 DARPA subject files
#76-0105 - Classified 1949-1973 MLC and ASD (AE) subject files
#76-0106 - Classified 1963-1973 ASD (AE) subject files
#76-0132 and #76-0133 - Unclassified Assistant Secretary of Defense (Manpower) general administration files
#76-0134 and #76-0135 - Unclassified Assistant Secretary of Defense (Manpower) chronological files
#76-0137 - Unclassified 1957-1972 Assistant Secretary of Defense (Health and Medical), Assistant Secretary of Defense (Manpower), and Assistant Secretary of Defense (Health Affairs) general administration files
#77-0018 - Classified 1963-1971 DARPA research studies
#77-0032 - Classified DARPA orders
#77-0045 - Classified 1969-1972 DARPA research studies
#77-0062 - Classified agendas, summary minutes, and related records of the 1950-1972 AFPC meetings
#77-0041 - Classified 1963-1974 ASD (AE) general correspondence files
#77-0113 - Classified 1950-1977 WSEG reports
#77-0128 - Classified 1973 DDR&E subject-record files
#78-0012 and #78-0013 - Classified 1962-1977 DARPA R&D program records
#78-0016 - Classified ASD (AE) general correspondence files
#78-0060 - Classified 1959-1975 ASD (AE) general subjective files
#78-0077 and #78-0078 - Classified 1963-1977 DARPA orders
#78-0085 - Classified 1965-1977 DARPA orders
#81-0457 - Classified 1958-1961 DDR&E chronological files

*Sources and Documentation*

#81-0458 - Classified 1962-1964 DDR&E chronological files
#81-0462 - Classified 1965-1966 DDR&E chronological files
#81-0500 - Classified miscellaneous DDR&E documents
#81-0710 - Unclassified 1976-1978 Assistant Secretary of Defense (Health Affairs) policy files
#82-0202 - Classified 1977 DDR&E policy files
#82-0209 - Classified 1978 DDR&E policy files
#82-0210 - Classified 1979 DDR&E policy files
#82-0211 - Classified 1974-1975 DDR&E chronological files
#82-0212 - Classified 1978 DDR&E chronological files
#84-0014 - Classified 1981 DDR&E chronological files
#84-0015 - Classified agendas and summary minutes of the 1959-1972 meetings of the Defense Science Board
#84-0033 - Classified 1980 DDR&E chronological files
#84-0035 - Classified 1982 DDR&E policy files
#84-0036 - Classified 1982 DDR&E chronological files
#88-0024 - Unclassified 1984 Assistant Secretary of Defense (Health Affairs) policy files
#88-0025 - Unclassified 1985 Assistant Secretary of Defense (Health Affairs) policy files
#89-0027 - Unclassified 1986-1987 Assistant Secretary of Defense (Health Affairs) policy files
#89-0128 - Unclassified 1984-1985 Assistant Secretary of Defense (Health Affairs) policy files
#91-0088 - Unclassified 1988 Assistant Secretary of Defense (Health Affairs) policy files

**Record Group #340 (Secretary of the Air Force)**

#60-1055 - Classified 1951-1955 Secretary of the Air Force (SECAF) files
#65-3152 - Classified 1947-1962 SECAF files
#66-3655 - Classified 1947-1963 SECAF correspondence files
#67-5143 - Classified SECAF files
#72-6803 - Classified 1950-1964 SECAF files

**Record Group #341 (Headquarters, Air Force)**

#59-0136 - Classified DCS/Material files
#60-1074 - Classified 1952-1958 Assistant for Atomic Energy (AFOAT-1), DCS/Operations files
#60-1075 - Classified 1956 AFOAT-1 files
#60-1114 - Classified AFOAT-1 files
#60-1348 - Unclassified Surgeon General files
#61-1337 - Classified 1958 DCS/Requirements files
#61-1649 - Unclassified Surgeon General histories from the 1950s
#61-1651 - Unclassified Surgeon General files
#62-1688 - Unclassified Surgeon General files
#63-1613 - Classified 1950-1962 DCS/Development R&D Progress files
#66-3513 - Classified 1955-1964 DCS/Development R&D Development Plan files
#67-4814 - Classified 1948-1964 agendas, summary minutes, reports, and related records of the Scientific Advisory Board (SAB)
#67-4875 - Classified 1947-1965 agendas, summary minutes, reports, and related records of SAB
#69-6427 - Classified 1954-1964 Aerospace Research files

#69-6730 - Classified agendas, summary minutes, reports, and related records of the SAB
#70-6604 - Unclassified 1950-1967 Surgeon General official histories
#71-7255 - Unclassified Surgeon General histories from the 1960s
#82-0765 - Unclassified 1978-1981 Surgeon General files
#82-0768 - Unclassified 1979-1980 Surgeon General files
#83-0765 - Unclassified 1967-1969 and 1980 Surgeon General files
#88-0765 - Unclassified 1955-1983 Surgeon General files
#88-0766 - Unclassified 1973-1985 Surgeon General files
#90-0765 - Unclassified 1986-1987 Surgeon General files

**Record Group #342 (Non-Headquarters Air Force Commands, Units, and Organizations)**

#70-0655 - Unclassified School of Aviation Medicine (SAM) Office of Technical Advisor R&D files from the 1960s
#71-0413 - Unclassified SAM Biosciences Division R&D files from the 1950s and 1960s
#71-0458 - Unclassified SAM Radiobiology Division R&D files from 1965-1968
#72-5741 - Unclassified SAM Radiobiology Division R&D files from the 1960s
#73-5370 - Unclassified SAM Radiobiology Division R&D files from the 1960s
#73-5374 - Unclassified SAM Ocular-Thermal Branch, Radiation Division, R&D files from the 1960s
#73-5413 - Unclassified SAM Applied Physiology Branch, Environmental Sciences Division, R&D files from the 1960s and 1970s

**Record Group #428 (Secretary of the Navy)**

#59-1213 - Classified 1955 Secretary of the Navy (SECNAV) files
#60-2255 - Classified 1956 SECNAV files
#61-2583 - Classified 1957 SECNAV files
#62-2603 - Classified 1958 SECNAV files
#63-2692 - Classified 1959 SECNAV files
#64-3702 - Classified 1960 SECNAV files
#64-4204 - Classified 1961 SECNAV files
#65-5543 - Classified 1962 SECNAV files
#66-5339 - Classified 1963 SECNAV files
#68-2743 - Classified 1964 SECNAV files
#69-3533 - Classified 1965 SECNAV files
#70-3987 - Classified 1966 SECNAV files
#71-3425 - Classified 1967 SECNAV files
#72-3527 - Classified 1968 SECNAV files
#73-1234 - Classified 1969 SECNAV files
#74-0003 - Classified 1970 SECNAV files
#74-0004 - Classified 1971 SECNAV files
#74-0026 - Classified 1972 SECNAV files
#89-0015 - Classified 1986 SECNAV files
#91-0034 - Classified 1984 SECNAV files

# APPENDIX B

## BRIEF DESCRIPTIONS OF RECORDS ACCESSIONS IN THE ACHRE RESEARCH DOCUMENT COLLECTION

This appendix provides brief descriptions of records that had been accessioned into the Document Collection as of 5:00 p.m. on Friday, July 21, 1995. Materials added to the collection after that time are not included in this listing. The following sections present:

- A list of organizations and institutions that deposited documents;
- A sample record with explanation of features and terms;
- Brief descriptions of the records themselves; and
- A subject index to the records accessions.

## DEPOSITING ORGANIZATIONS AND INSTITUTIONS

The following are the sources of the ACHRE collection and the *source codes*, or acronyms, used to designate them:

| | |
|---|---|
| Advisory Committee on Human Radiation Experiments | ACHRE |
| Agency for International Development | AID |
| Baylor University | BAY |
| Boston University | BU |
| Central Intelligence Agency | CIA |
| Commonwealth of Massachusetts | MASS |
| Congress | CON |
| Consumer Product Safety Commission | CPSC |
| Corporation* | CORP |
| Department of Agriculture | USDA |
| Department of Defense | DOD |
| Department of Education | DED |
| Department of Energy | DOE |
| Department of Health and Human Services | HHS |
| Department of Justice | DOJ |
| Department of the Interior | DOI |
| Department of Transportation | DOT |
| Department of Veterans Affairs | VA |
| Environmental Protection Agency | EPA |
| George Washington University | GWU |
| Harvard University | HAR |
| Individual* | IND |
| Massachusetts General Hospital | MGH |
| Massachusetts Institute of Technology | MIT |
| Montefiore Medical Center | MON |
| National Academy of Sciences | NAS |
| National Aeronautics and Space Administration | NASA |
| National Archives and Records Administration | NARA |
| National Science Foundation | NSF |
| Nuclear Regulatory Commission | NRC |
| Smithsonian Institution | SMITH |
| State of California | CA |
| State of Oregon | ORE |
| State of Washington | WASH |
| Texas A&M University | TEX |
| University of California-Berkeley | UCB |
| University of California-Los Angeles | UCLA |
| University of California-San Francisco | UCSF |
| University of Chicago | UCH |

* See the section "Organizations and Individuals" in Chapter 3 of Supplemental Volume 2 for a listing.

| | |
|---|---|
| University of Cincinnati | UCIN |
| University of Michigan | UM |
| University of Tennessee | UT |
| Univeristy of Texas-MD Anderson Cancer Center | UTEX |
| Univeristy of Utah | UTAH |
| University of Wisconsin-Madison | UWM |
| Vanderbilt University | VU |
| Virginia Commonwealth University | VCU |
| West Virginia University | WVU |

## SAMPLE RECORD

**DOD-062194-C** *7 folders; 0.5 cu.ft.; inventory available. Source:* Department of Defense, Department of the Navy. *Collection:* Records copied from NARA, Suitland. *Contents Description:* US Navy Materials re: use of human subjects; informed consent; volunteers; records management; reports and publications; project lists; Marshall Islands; bio-astronautics; nuclear weapons testing; Committee for Protection of Human Subjects; Capt. George, "Medical Service Corps - History - Radiation Health - Radiation Specialists" [draft report], 6/10/94; folder six contains formerly classified materials. *Descriptors:* Classified Research; Experiments; Guidelines/Regulations; Human Subjects; Informed Consent; Marshall Islands; Records; Subject Consent; Voluntariness; Volunteers; Weapons Research; Navy (DOD/USN); National Archives and Records Administration (NARA).

| | |
|---|---|
| DOD-062194-C | Accession number; *DOD* = source; *062194* = date of deposit; *C* = sequential designator for that agency on that date; interpretation: the third Department of Defense deposit for June 21, 1994. |
| *7 folders; 0.5 cu.ft.* | Physical description is given in original packaging and volume. |
| *inventory available* | A document-by-document inventory either was either supplied by the source or was constructed by ACHRE staff; the inventory is available with the documents and in the Accessions Register (see description of the ACHRE Records Management Series) |
| *Source* | The major depositing entity (e.g. DOD) and the originating subunit (in this case, the Navy). |
| *Collection* | The internal source of the records, if known. |
| *Contents Description* | A description of the deposit as received. |
| *Descriptors* | The topical subjects, persons, and institutions selected for this accession from controlled vocabularies (for lists, see Attachments 1, 2, and 3 in the narrative volume). |

## BRIEF DESCRIPTIONS OF ACCESSIONS

**ACHRE-102094-A** 1 document; 0.03 cu.ft. *Source:* Sandra Thomas and Gil Whittemore (Advisory Committee On Human Radiation Experiments). *Contents Description:* Chart abstracting human use isotope experiments included in the AEC's Isotopes: 5-year Summary, from which items were selected for research. Gil notes: "Cross referencing with 8 year AEC report bibliography yields almost no overlap." *Descriptors:* Records; Atomic Energy Commission (AEC).

**ACHRE-110494-A** 2 audio tapes ; inventory available. *Source:* Advisory Committee On Human Radiation Experiments. *Collection:* Interviews. *Contents Description:* 9/15/94 Interview of Dr. Saenger Tape - Newmann, Stern, Whittemore.10/20/94 Interview of Dr. Saenger Tape 2. 10/20/94 Interview of Martha Stevens. Saenger Interview of 10/20/94. (Added as of 12/8/94 another set of tapes (normal Cassette size). Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews; .

**ACHRE-111794-A** 1 document; 0.01 cu.ft. *Source:* Gil Whittemore (Advisory Committee On Human Radiation Experiments). *Collection:* Federal Register. *Contents Description:* Items related to Radiation Protection in the Federal Register 1947-57. *Descriptors:* Records.

**ACHRE-112294-A** 1 folder; 0.05 cu.ft. *Source:* Yvonne Sherman (Advisory Committee On Human Radiation Experiments). *Collection:* Information Packet. *Contents Description:* Documents provided to Committee Members and staff during Hanford bus tour and briefings, 11/22/94. Includes: A Brief History of the T Plant Facility at the Hanford Site, Dietary and Body Burden Data and Dose Estmates For Local School Children and Teenagers, Y80054, 9/72, Analysis of the Walla Walla State Penitentiary Inmate Study. Inside folder is agenda, brochures, maps, informaiton about T-Plant. (One document was pulled/reviewed and added to the document series.) *Descriptors:* Prisoners; Vulnerable Populations; Hanford Site (Richland Washington).

**ACHRE-120194-A** 5 audio tapes *Source:* Advisory Committee On Human Radiation Experiments, Oral History. *Contents Description:* 5 microcassettes of oral interviews conducted by ACHRE staff member Gregg Herken; Earl Miller 8/9/94, N. Petrakis 8/10/94, Ed Alpen 8/9/94, A Side: Pat Durbin I, B Side: Glenn Seaborg, Pat Durbin II. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-021095-A** 1 document; 0.1 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments. *Contents Description:* Transcript: Interview with Prof. Martha Stephens, University of Cincinnati, dated 10/20/94, by Gary Stern and Jonathan Engel Interview covered Cincinnati, TBI experiments, and Professor Stephens' concerns about ACHRE. Professor Stephens was the principal author of the January 1972 Junior Faculty report on the University of Cincinnati total-body irradiation (TBI) experiments. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Cincinnati Experiments; Interviews; Total Body Irradiation.

**ACHRE-021095-B** 2 documents; 0.25 cu.ft. *Source:* Gary Stern (Advisory Committee On Human Radiation Experiments). *Contents Description:* Transcript of 2 interviews with Dr. Eugene L. Saenger, University of Cincinnati, first interview dated Sept. 15, 1994 by Dr. Ron Newman, Gil Whittemore, and Gary Stern (119 pages); second interview dated 10/20/94 by Gary Stern and Jonathan Engel (47 pages). Also includes four cassette tapes. Interview covers career of Dr. Saenger's involvement in radiation research, including Cincinnati experiments, and TBI experiments. Also includes Saenger essay "How Can the Quality and Length of Life of a Cancer Patient be Determined?" (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Cincinnati Experiments; Interviews; Total Body Irradiation; University of Cincinnati.

**ACHRE-022795-A** 5 audio tapes *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Contents Description:* Interviews given to Clifton Himmelsbach 11/2/94, Stewart Finch, Theodore Woodward 12/14/94, and Dr Paul Beeson by ACHRE staff. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-030195-A** 6 documents; 0.3 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments. *Collection:* Oral History project ACHRE. *Contents Description:* Transcripts of interviews conducted by the ACHRE Oral History Project. Transcripts with the following: Louis Lasagna, Dr. Seymour Perry, Dr. Paul Beeson, Stuart Finch, Clifton Himmelsbach, and Theodore Woodward. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-030395-A** 1 document; 0.01 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments. *Contents Description:* Technical Report: C.E. Larson, T.A. Lincoln, and K.W. Bahler. "Mortality Comparison: Comparison of Mortality of Union Carbide Employees in Oak Ridge Atomic Energy Facilities with US Bureau of Vital Statistics Mortality." Union Carbide Corporation Nuclear Division. K-A-708 June, 9, 1966. Re: study contains graphs and charts, and concludes that though 1950-65 Union Carbide employee's experience fewer deaths than tables published

by the Bureau of Vital Statistics. *Descriptors:* Occupational Guidelines; Occupational Health; Oak Ridge National Laboratory (DOE/ORNL).

**ACHRE-030995-A** 1 document; 0.085 cu.ft. *Source:* Steve Klaidman (Advisory Committee On Human Radiation Experiments). *Contents Description:* Interview transcript with Dr. C.A. Paulsen by Steve Klaidman at Seattle, Washington on September 8, 1994. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-030995-B** 1 document; 0.075 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments. *Contents Description:* Transcript of Interview with Dr. Erwin Kaplan. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-030995-C** 1 document; 0.08 cu.ft. *Source:* Lanny Keller (Advisory Committee On Human Radiation Experiments). *Contents Description:* Transcript of interview with General Carey Randall, retired, who worked as Marine Colonel and Brigadier on Staff for Defense Secretaries Marshall, Lovett and Wilson. Jackson, Miss., Sept. 20, 1994. Interviewed by Lanny Keller. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-031395-A** 1 document; 0.1 cu.ft. *Source:* Julie Crenshaw (Advisory Committee On Human Radiation Experiments). *Contents Description:* Interview of Wayne Hanson by Daniel O'Neill on May 4, 1988. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* No descriptors.

**ACHRE-033095-A** 1 document; 0.05 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Contents Description:* Interview with Mr. Jerome Dummer by staff member Gil Whittemore, on 11/4/94. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* No descriptors.

**ACHRE-040495-A** 1 document; 0.1 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments. *Contents Description:* Transcript of Interview with Dr. Hymer Friedell by Stephen Klaidman and Dr. Ron Neumann, Tuesday August 23, 1994. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* No descriptors.

**ACHRE-041495-A** 1 document; 0.15 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments. *Contents Description:* Interview with William Silverman, M.D. by Gail Javitt on Tuesday February 14, 1995. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-041495-B** 12 audio tapes *Source:* Advisory Committee On Human Radiation Experiments. *Collection:* Oral History project. *Contents Description:* Taped interveiws conducted by the ACHRE Oral history project for the follow: Jerome Dummer at Los Alamos by Gil Whittemore on Nov. 4 1994, re: Rala tests at Los Alamos. 2 Tapes with Ervin Kaplan, 2 with Perry, 2 with Louis Lasagna, one with Randall, 2 with A.C. Paulsen. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-042195-A** 1 document; 0.04 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Contents Description:* Oral History transcript of an interview with Dr. Glenn T. Seaborg on August 8, 1994 by Gregg Herkin. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-042495-A** 3 documents; 7 audio tapes *Source:* Gail Javitt (Advisory Committee On Human Radiation *Collection:* Oral History Project. *Contents Description:* Interview tapes and transcripts for: Dr. William Silverman, Dr. Malcolm A. Bagshaw, and Herman Wigodsky, M.D. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-042495-B** 2 documents; 0.06 cu.ft. *Source:* Duncan Thomas (Advisory Committee On Human Radiation Experiments). *Contents Description:* 2 papers on non-malignant respiratory diseases of Uranium miners by Samet and Simpson, 1992. *Descriptors:* Medical Diagnosis; Occupational Guidelines; Occupational Health; Scientific Data; Scientific Method; Uranium Mining/Miners/Milling.

**ACHRE-042795-A** 1 document; 0.06 cu.ft. *Source:* Gail Javitt (Advisory Committee On Human Radiation Experiments). *Contents Description:* Interview Transcript of Mrs. Grace Walpole by Gregg Herkin, 3/23/95 in Berkeley California. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-050295-A** 1 document; 0.08 cu.ft. *Source:* Mark Goodman (Advisory Committee On Human Radiation Experiments). *Collection:* Oral History Project. *Contents Description:* Oral History Project transcript of an interview with Jack Healy on 3/8/95 at White Rock, New Mexico. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews; Los Alamos National Laboratory (DOE/LANL).

**ACHRE-050395-A** 2 folders; 0.2 cu.ft. *Source:* Rebecca Lowen (Advisory Committee On Human Radiation Experiments). *Contents Description:* Collection of published Journal Articles and Newspaper clippings, compiled by ACHRE staff at various sites, regarding the public perception of human experimentation during the 40's and 50's. Folder 1: Articles used for report on discussions in Medical and Scientific literature of Ethics of Human

Experimentation and Nuremberg Code. Folder 2: Articles and Newspaper clippings used for report on Representation of Human Experimentation in Newspaper and News Periodicals. *Descriptors:* Experiments; Human Subjects.

**ACHRE-050495-A** 2 documents; 0.1 cu.ft.2 audio tapes *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Contents Description:* Oral History Project interviews of Dr. Saul Rosenberg by ACHRE staff member Gail Javitt on 2/13/95 at Stanford Medical Center and interview with Charles Kidd P.h.D by John Harkness and Susan Lederer on 11/10/94 at the Office of ACHRE, included are both the transcript and audiotapes. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-050595-A** 3 documents; 0.5 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Collection:* Oral History Project. *Contents Description:* Three transcripts of interviews conducted by ACHRE staff as part of the Oral History Project for the following subjects: Ms. Grace Walpole conducted 3/23/95 at Berkeley, Mr. Baird Whaley 3/24/95 at Berkeley, and Dr. Cornelius Tobias 3/23/95 at Eugene, Oregon. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-050595-B** 1 document; 0.03 cu.ft. *Source:* Jim David (Advisory Committee On Human Radiation Experiments). *Contents Description:* Report entitled "Executive Order 12958 Classified National Security Information." undated. *Descriptors:* Records; Secrecy.

**ACHRE-050895-A** 2 documents; 3 audio tapes *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Contents Description:* Oral History Project transcripts and tapes of interviews with Dr. Seymour Perry and Howard Andrews. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-050895-B** 1 document; 1 audio tape *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Contents Description:* Telephone interview transcript and audiotape with Dr. Clarence Lushbaugh by Gary Stern, Don Weightman, and Ron Neumann, 3/21/95. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-051195-A** 1 document; 0.03 cu.ft. *Source:* Jim David (Advisory Committee On Human Radiation Experiments). *Contents Description:* Union Calendar No. 127. 101 st Congress 1st Session, House Report 101-193. "A Citizen's Guide on Using the Freedom of Information Act and Privacy Act of 1974 to Request Government Records." Third Report by the Committee on Government Operations. Submitted to House on 7/28/89 GPO 1989. *Descriptors:* Records; Congress.

**ACHRE-051795-A** 2 folders; 0.4 cu.ft.11 audio tapes *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Contents Description:* Oral History interview transcripts with: Herbert Adams by Jon Harkness on 01/12/95, Dr. Seymour Romney by Gail Javitt on 03/30/95 and 04/03/95, Dr. Tom Chalmers by Jon Harkness on 12/09/94, Dr. Irving Ladimer by Jon Harkness and Gail Javitt on 10/06/94, and by Jon Harkness on 10/28/94. Audio tapes included. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews; .

**ACHRE-051795-B** 2 documents; 0.1 cu.ft.3 audio tapes *Source:* Gail Javitt (Advisory Committee On Human Radiation Experiments). *Contents Description:* Oral History Project interview transcripts and audio tapes with Dr. Henry Seidel by Gail Javitt on 03/20/95 and Mavis Rowley by Steve Klaidman on 08/08/94. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews.

**ACHRE-060995-A** 1 document; 0.15 cu.ft. *Source:* Advisory Committee On Human Radiation Experiments, Oral History Project. *Collection:* OHP. *Contents Description:* Transcript of Oral interview with Karl Z. Morgan on January 6, 1995, Indian Shores Florida. (Contents transferred to ACHRE Research Project Series, Interview Program File.) *Descriptors:* Interviews; .

**AID-122394-A** 1 document; 0.02 cu.ft. *Source:* Jim Shelton (Agency for International Development). *Contents Description:* AID's response to questions regarding human experimentation policies posed by ACHRE staff. *Descriptors:* Ethical Guidelines; Ethical Policies; Guidelines/Regulations; Human Subjects.

**BAY-101794-A** 16 documents; 0.33 cu.ft. *Source:* Baylor University, College of Medicine. *Contents Description:* Eight progress reports sent to Baylor by the DOD (Col. Bailey), and eight Journal articles found by Baylor. DOD-102494-A also contains documents relevant to the above topic. *Descriptors:* Agency Histories; Biological Effects; Experiments; Human Subjects; Plutonium Injections; University Research; Baylor University; Department of Defense (DOD).

**BU-053194-A** 1 document; 0.1 cu.ft. *Source:* Boston University, Archives. *Collection:* Law-Medicine Research Institute, Boston University. *Contents Description:* A report from a project sponsored by the USPHS: "A study of the legal, ethical, and administrative aspects of clinical research involving human subjects," final report of Administrative Practices in Clinical Research, Research Grant No. 7039, Jan. 1, 1960-March, 31, 1963, Law-Medicine

Research Institute, Boston University, 364 p. *Descriptors:* Ethics; Human Subjects; Law & Legal Issues; University Research.

**BU-062394-A** 9 documents; 0.3 cu.ft.; inventory available. *Source:* Boston University, Center for Law and Health Sciences. *Collection:* Papers of the non-defunct Law-Medicine Research Institute. *Contents Description:* Contains documents that concern the development of a systematic study of existing policies, attitudes, and practices in the realm of human experimentation. (see Accessions Content for more). (The final report associated with these documets has been previously accessioned as BU-053194-A) *Descriptors:* Agency Histories; Ethical Guidelines; Ethical Policies; Ethical Standards; Ethics; Human Subjects; Law & Legal Issues.

**BU-121594-A** 1 document; 0.04 cu.ft. *Source:* Boston University, Special Collections. *Collection:* Shields Warren Papers. *Contents Description:* Copy of pages of Shields Warrens's and an Assistants diary notes form 6/27/48 - 10/25/49, Includes notes on the 9/29 Chalk River Conference. *Descriptors:* Scientific Data; Scientific Method; Shields Warren; Atomic Energy Commission (AEC); Argonne National Laboratory (DOE/ANL).

**BU-030395-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Boston University, Special Collections, Mugar Library. *Collection:* Papers of Shields Warren. *Contents Description:* Excerpts from handwritten diaries of Shields Warren (Typed). Complements BU-121594-A. *Descriptors:* Records.

**BU-032095-A** 1 document; 0.01 cu.ft. *Source:* Ken Silver (Boston University). *Contents Description:* Journal Article, Pamela Bumstead, Karen S. Young, and Leon Tafoya. "Cultural Dimensions of Health and Environment." *Hazardous Waste and Public Health.* no date or volume number. *Descriptors:* Biological Effects; Guidelines/Regulations; Radiation--Ionizing; Scientific Data.

**BU-042495-A** 1 document; 0.04 cu.ft. *Source:* Boston University. *Collection:* Special Collections Mugar Library. *Contents Description:* Selected pages from Shields Warren's Diaries, 9/49-2/53. *Descriptors:* Medical Diagnosis; Medical Therapies; Scientific Data; Scientific Method; .

**CA-012695-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* State of California. *Collection:* Statutes. *Contents Description:* California statute enacted in 1978 governing human experimentation, officially cited as the "Protection of Human Subjects in Medical Experimentation Act. *Descriptors:* Guidelines/Regulations.

**CIA-051794-A** 10 documents; 0.05 cu.ft. *Source:* David D. Gries (Central Intelligence Agency). *Contents Description:* Materials re: CIA compliance with DHHS guidelines on the protection of human research subjects. *Descriptors:* Guidelines/Regulations; Human Subjects; Central Intelligence Agency (CIA); Department of Health and Human Services (DHHS).

**CIA-062194-A** 1 document; 0.01 cu.ft. *Source:* Central Intelligence Agency, Center for the Study of Intelligence. *Contents Description:* "Requested information concerning the [CIA] search process". *Descriptors:* Records.

**CIA-072294-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* John Pereira (Central Intelligence Agency). *Contents Description:* Response to Gary Stern's 7/11/94 letter, Regulation HR 7-1 (6) (c) (4) declassified. *Descriptors:* Guidelines/Regulations; Central Intelligence Agency (CIA).

**CIA-080994-A** 1 document; 0.01 cu.ft. *Source:* John Pereira (Central Intelligence Agency). *Contents Description:* Fax of Interview Notes Related To Ionized Radiation Testing. *Descriptors:* Interviews; Radiation--Ionizing.

**CIA-081894-A** 1 document; *Source:* Michael Warner (Central Intelligence Agency). *Contents Description:* Fax transmittal of Report Of Soviet Potentialities To Conduct Radiological Warfare, 2/23/50, Pages 9. *Descriptors:* Agency Histories; Radiological Warfare; Central Intelligence Agency (CIA).

**CIA-081994-A** 6 documents; 0.01 cu.ft.; inventory available. *Source:* Michael Warner (Central Intelligence Agency). *Contents Description:* Redacted, declassified memos: ADSI to DDP "Special interrogations," ADSI to DDP, "Special Interrogations", ADSI to ADI & SS, "Conversations With..", Memorandum For the File Regarding Project Blue Bird, ADSI To ADDA, "Conversations With Dr...", Memorandum To the File, "Meeting Held.., Pgs. 12". *Descriptors:* Agency Histories; Central Intelligence Agency (CIA).

**CIA-091594-A** 11 documents; 0.2 cu.ft. *Source:* Central Intelligence Agency. *Collection:* RG #263 At the Downtown NARA. *Contents Description:* Excerpts from recently - declassified CIA National intelligence Estimates from the late 1940's & 1950's regarding USSR Among other things, they contain estimates of the Soviet Nuclear Stockpile & its RW Capability. *Descriptors:* Agency Histories; Military Activities; Central Intelligence Agency (CIA).

**CIA-091694-A** 3 documents; 0.25 cu.ft.; inventory available. *Source:* John Pereira (Central Intelligence Agency). *Contents Description:* 1. Organizational History of CIA, 1950 - 1953, Chap. VI, Problems of Scientific & Intelligence, 5/57; Allen Welsh Dulles As DCI, 2/26/53 - 11/29/60 (7/73). 2. Documents on Projects Bluebird & Artichoke 3. MKULTRA Subprojects Bluebird & Artichoke 4. Book, The CIA Under Harry Truman. *Descriptors:* Central Intelligence Agency (CIA).

**CIA-110194-A** 14 documents; 0.15 cu.ft. *Source:* Central Intelligence Agency, Center for the Study of Intelligence. *Contents Description:* Declassified portions of 14 National Intelligence Estimates on the Soviet Union for the period of 1951-57 concerning radiological warfare and related issues. Each report discusses the abilities of the Soviet

nuclear, chemical, and Biological threat. *Descriptors:* Agency Histories; Radiological Warfare; Records; Weapons Effectiveness; Central Intelligence Agency (CIA).

**CIA-122194-A** 7 documents; 0.05 cu.ft.; inventory available. *Source:* Mike Warner (Central Intelligence Agency). *Contents Description:* Correspondence between AEC Chairman Glenn Seaborg and DCI John McCone on arrival AEC Report to Congress - 1963, 1964, 1966, 1967 and Fundamental Nuclear Energy Research. *Descriptors:* Atomic Energy Commission (AEC); Central Intelligence Agency (CIA).

**CIA-010995-A** 1 document; 0.03 cu.ft. *Source:* Central Intelligence Agency, Center for the Study of Intelligence. *Contents Description:* Memoranda written by Dr. Larry Magnuson, re: information on ethics policies. *Descriptors:* Ethical Policies; Ethics; Central Intelligence Agency (CIA).

**CIA-011895-A** 2 documents; 0.01 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* July 6, 1948 CIA memo from DCI Hillenkoetter stating that CIA estimates that USSR will complete an atomic bomb by mid 1950 at the earliest, but more likely by mid 1953. September 9, 1949 CIA memo from DCI Hillenkoetter stating that samples of air masses indicate the likelihood of an atomic explosion by the USSR by the USSR. (First formal confirmation of Soviet bomb.). (Final Report, Chapter 8, Cite #3) *Descriptors:* Atomic Tests; Military Activities; Secrecy; Central Intelligence Agency (CIA).

**CIA-020695-A** 8 documents; 0.1 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* Miscellaneous CIA documents concerning MKULTRA Sub-projects 86 and 140. Mar. 30, 1965 letter describes "radio-active iodine uptake of the thyroid and T-4 uptake of red cells"; May 29, 1963 memo on subproject for "artificial means of establishing positive identification - i.e. covert marking. *Descriptors:* Experimental Equipment; Experiments; Human Subjects; Volunteers; Central Intelligence Agency (CIA).

**CIA-020795-A** 1 folder; 0.1 cu.ft. *Source:* Central Intelligence Agency. *Collection:* Army. *Contents Description:* File on Henry Beecher describing LSD research and experiments for the Army, along with Louis Lasagna. *Descriptors:* Biological Effects; Human Subjects; Medical Diagnosis; Medical Records; Research--Nontherapeutic; Scientific Data; Robert Stone; Harvard Medical School; War Department (War).

**CIA-021095-A** 1 document; 0.01 cu.ft. *Source:* Central Intelligence Agency, Center for the Study of Intelligence. *Contents Description:* Response to ACHRE request no. 012795-D, Public Access to Agency Information Relating to Human Radiation Experimentation. *Descriptors:* Experiments; Human Subjects; Public Access; Radiation--Ionizing; Records; Central Intelligence Agency (CIA).

**CIA-022495-A** 20 documents; 0.15 cu.ft. *Source:* Mike Warner (Central Intelligence Agency). *Contents Description:* Approximately 20 documents (redacted) documents concerning CIA activities from 1949-53 in relation to DOD research and development board; committee on Atomic Energy; medical intelligence; nuclear energy group; long-range detection; biological, chemical, and radiological warfare; atomic energy intelligence; and project Artichoke. *Descriptors:* Long Range Detection; Secrecy; Central Intelligence Agency (CIA).

**CIA-022795-A** 4 documents; 0.05 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* CIA documents: (1) National Intelligence Estimate on Soviet Capabilities for clandestine Attack Against the US with Weapons of Mass Destruction and the Vulnerability of the US to such attack, June 24, 1953. (2) Memoranda for "The Record" by Wallace L. Chan on "Establishing the Substantiating the "bona fides" of agent and/or staff personnel through techniques and methods other than interrogation." undated. (3) 3/30/65 + 4/10/64 letters requesting grants for Thyroid function research on prisoners. (The 3rd and 4th documents still classify the names of the writer and recipient, even though we have spoken with Dr. James Hamilton the writer.) *Descriptors:* Experiments; Grants/Grantees; Weapons Effectiveness; Central Intelligence Agency (CIA).

**CIA-030695-A** 42 documents; 0.25 cu.ft. *Source:* Central Intelligence Agency, Center for the Study of Intelligence. *Contents Description:* This Accession contains 42 additional documents that ACHRE had requested by declassified. An additional 6 documents were withheld in their entirety. At this point the CIA has reviewed (and either released of withheld) approximately 70 out of 100 classified documents that we requested be declassified. Several of the released documents contain extensive redaction's. The docs. generally cover the following: the beginnings of AFOAT-1, Coordination of Medical Intelligence, RDB-CIA Relationship, establishment of JNIC, suggestion for new radiological warfare development, request to AEC requesting development of Radioisotope Activated Recorder, Soviet activities in unconventional warfare, Soviet medical capabilities in the prevention and treatment of nuclear casualties, and correspondence between AEC chairman Seaborg and CIA directors, including one request for assistance on the use of "neutron activation analysis for use in forensics. *Descriptors:* Psychological Effects; Secrecy; Central Intelligence Agency (CIA)

**CIA-030795-A** 2 documents; 0.01 cu.ft. *Source:* John F. Pereira (Central Intelligence Agency). *Contents Description:* Two Statements by the CIA that it did not sponsor or participate in any human radiation experiments the DOE's Lawrence Livermore labs and that the attached list of individuals did not conduct of sponsor human radiation experiments for the CIA. *Descriptors:* Experiments; Human Subjects; Central Intelligence Agency (CIA).

**CIA-031495-A** 7 documents; 0.08 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* Additional CIA documents on CIA-Research and Development Board relationship, RW, Project Artichoke (pre-MKULTRA): e.g., "Defense Against Soviet Medical Interrogation and Espionage Techniques. *Descriptors:* Experimental Methods; Central Intelligence Agency (CIA).

**CIA-032395-A** 10 documents; 0.15 cu.ft. *Source:* Central Intelligence Agency, Center for the Study of Intelligence. *Contents Description:* Dec. 2, 1994 report by the CIA's office of Research and Development (ORD) describing it's search for records about human radiation experiments. Also, included are nine documents describing Project OFTEN and CHICKWIT. *Descriptors:* Experimental Methods; Experiments; Voluntariness; Volunteers; Central Intelligence Agency (CIA).

**CIA-040595-A** 2 documents; 0.01 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* Two one page memo's from the "Arthichoke Log," dated Dec. 18, 1951 and Dec. 20, 1951. Discusses meeting with and report of Henry Beecher. *Descriptors:* Central Intelligence Agency (CIA).

**CIA-050595-A** 1 document; 0.04 cu.ft. *Source:* Central Intelligence Agency, Center for the Study of Intelligence. *Contents Description:* Responses to ACHRE questions concerning project MKULTRA and LSD experiments. *Descriptors:* Experiments; Human Subjects; Secrecy; Central Intelligence Agency (CIA).

**CIA-051195-A** 7 documents; 0.1 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* Seven documents regarding various CIA activities: medical intelligence, Project Artichoke, MKULTRA, James Hamilton/Geschickter Fund correspondence. *Descriptors:* Truth-telling; Central Intelligence Agency (CIA).

**CIA-051595-A** 1 document; 0.05 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* Report of the United States Intelligence Board from 27 August 1969 on "Radiation Sickness or Death Caused by Surreptitious Administration of Ionizing Radiation to an Individual.". *Descriptors:* Radiation--Ionizing; Radiation Injury; Central Intelligence Agency (CIA).

**CIA-060195-A** 19 documents; 0.15 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* 19 additional declassified CIA documents on MKULTRA, Bluebird, Articoke, and MKSEARCH. *Descriptors:* Secrecy; Truth-telling; Central Intelligence Agency (CIA).

**CIA-061295-A** 1 document; 0.08 cu.ft. *Source:* Michael Warner (Central Intelligence Agency). *Contents Description:* Memo from the History Division of the CIA regarding the role of the Agency in possible human radiation experiments as a part of MKULTRA and other sub-projects. *Descriptors:* Experiments; Secrecy; Central Intelligence Agency (CIA).

**CIA-071095-A** 2 documents; 0.01 cu.ft. *Source:* Central Intelligence Agency. *Contents Description:* Two undated card files from ARTICHOKE records on (1) Radiant Energy and (2) Tracer Techniques. *Descriptors:* Biological Effects; Radiation--Ionizing; Central Intelligence Agency (CIA).

**CON-042694-A** 5 documents; 0.01 cu.ft. *Source:* Congress, House of Representatives: Rep. Edward J. Markey. *Contents Description:* Backup documentation to Markey Report. 18 Plutonium Subjects, 4/15/94, Map showing cubic feet of documents, Radio Lanthanum (RaLA) Experiments, Books Received From Henry Royal Md. (As of 5/12/94). (Eileen Wellsome (Albuqerque Tribune) has unredacted version & DOE is distributing packets. Contact: Denise Diggin (FOIA) Verlette Moore) *Descriptors:* Agency Histories; Experiments; Plutonium Injections; Congress; Department of Energy (DOE).

**CON-042894-A** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Congress, Senate: Sen. John Glenn. *Contents Description:* Miscellaneous idems related to human radiation experiments; some idems now missing--see inventory. *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Releases of Radioactivity; Total Body Irradiation; Weapons Research; Atomic Energy Commission (AEC); Department of Energy (DOE); General Accounting Office (GAO); National Archives and Records Administration (NARA); Vanderbilt University.

**CON-050294-A** 7 documents; 0.05 cu.ft.; inventory available. *Source:* Congress, General Accounting Office (GAO). *Contents Description:* GAO reports used as appendices to a Centers for Disease Control report on dose reconstruction. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Human Subjects; Radiation--Ionizing; Releases of Radioactivity; Weapons Research; Atomic Energy Commission (AEC); Department of Energy (DOE); General Accounting Office (GAO); Idaho National Engineering Laboratory (DOE/INEL).

**CON-050594-A** 4 documents; 0.02 cu.ft.; inventory available. *Source:* Congress, Congressional Research Service. *Contents Description:* Documents re: human subjects, research, radiation. *Descriptors:* Experiments; Human Subjects; Law & Legal Issues; Public Access; Radiation--Ionizing; Congressional Research Service (LC/CRS).

**CON-051894-A** 1 document; 0.01 cu.ft. *Source:* Congress, House of Representatives: Committee on the Judiciary. *Collection:* Junior Faculty Association (JFA), Martha Stevens. *Contents Description:* January 25, 1972, document by David Logan, Henry Anna, and Martha Stevens, "A Report to the Campus Community," with written comment by Dodd H. Bogart of the same date, described by the depositor as a "critical analysis of the Cincinnati testing" and sent

at the request of Martha Stevens. *Descriptors:* Cincinnati Experiments; Federal Laboratories; Human Subjects; University Research; Eugene Saenger; University of Cincinnati.

**CON-061694-A** 1 document; 0.01 cu.ft. *Source:* Congress, House of Representatives: Rep. Edward J. Markey. *Contents Description:* Letter from Congressman Edward J. Markey to Secretary Hazel R. O'Leary, re: indication in recently released DOE documents that previously requested information on radiation experiments was withheld from Congress. *Descriptors:* Experiments; Human Subjects; Records; Department of Energy (DOE).

**CON-062094-A** 1 document; 0.01 cu.ft. *Source:* Congress, House of Representatives: Rep. Edward J. Markey. *Contents Description:* A bill introduced by Rep. Markey to require the Secretary of Energy to report on certain radiation experiments, and for other purposes, 4/21/94. *Descriptors:* Experiments; Legislation; Records; Department of Energy (DOE).

**CON-062894-A** 1 document; 0.05 cu.ft. *Source:* Congress, House of Representatives: Committee on Veterans' Affairs. *Contents Description:* Draft copy of report of 2/8/94 hearing on VA radiation research. *Descriptors:* Experiments; Radiation--Ionizing; Department of Veterans Affairs (DVA).

**CON-070194-A** 1 document; 0.01 cu.ft. *Source:* Congress, House of Representatives: Committee on Veterans' Affairs. *Contents Description:* 1958 VA General Counsel opinion re: informed consent procedure for research. *Descriptors:* Experiments; Human Subjects; Informed Consent; Veterans Administration (VA).

**CON-072194-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* Congress, House of Representatives: Committee on Interstate and Foreign Commerce, Subcommittee on Oversight and Investigations. *Contents Description:* "The forgotten guinea pigs. A report on health effects of low-level radiation sustained as a result of the nuclear weapons testing program conducted by the United States Government.". *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Weapons Research.

**CON-090694-A** 20 documents; 0.02 cu.ft. *Source:* Congress, House of Representatives: Rep. Edward J. Markey. *Collection:* Indirectly from the DOE. *Contents Description:* These documents are a collection of correspondence and reports concerning the plutonium injection experiments of 1945-47, as given to the staff of Congressman Markey in January of 1985 from the DOE. *Descriptors:* Agency Histories; Experiments; Human Subjects; Plutonium Injections; Radiation--Ionizing; Scientific Data; Patricia Durbin; Robert Rowland; Atomic Energy Commission (AEC); Department of Energy (DOE).

**CON-091594-A** 9 documents; 0.1 cu.ft. *Source:* Congress, Senate: Committee on Environment and Public Works, Subcommittee on Clean Air and Nuclear Regulation. *Contents Description:* Journal articles and reports given to ACHRE by the Senate from a subcommittee hearing on nasal radium treatments. *Descriptors:* Agency Histories; Biological Effects; Experimental Methods; Experiments; Medical Therapies; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Research--Therapeutic; Navy (DOD/USN); Submarine Medical Research Laboratories (SMRL).

**CON-102194-A** 1 folder; 0.5 cu.ft. *Source:* Congress, House of Representatives: Rep. Rob Portman. *Contents Description:* Correspondence between Dr. Gordon K. Soper and Rep. Rob Portman, re: University of Cincinnati research done for DOD. (Submitted at the Cincinnati Small Panel Hearing. 10/21/94) *Descriptors:* Agency Histories; Cincinnati Experiments; Department of Defense (DOD); University of Cincinnati.

**CON-120194-A** 5 documents; 0.08 cu.ft. *Source:* Congress, Senate: Committee on Government Affairs. *Contents Description:* Documents from the December 1, 1994 Senate hearing on Human Subject Radiation Experiments: Progress on Records Search and Ethical Evaluation. 1. Agenda 2. Statement of Tara O'Toole, M.D., M.P.H. Assistant Secretary for Environment, Safety and Health US Department of Energy before the Committee on Governmental Affairs US Senate 12/1/94. 3. Statement of Ruth R. Faden PHD, MPH, Chair of ACHRE to the Senate Committee on Government Affairs. 4. GAO Report on Status of Federal Efforts to Disclose Cold War Radiation Experiments Involving Humans, statement by Victor S. Rezendes, Director, Energy and Science Issues, etc. 5. Press Release from the Staff of Senator Glenn on the above subject, dated 12/1/94. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Consent; Disclosure; Ethics; Experiments; Human Subjects; Law & Legal Issues; Medical Ethics; Medical Therapies; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiation Injury; Releases of Radioactivity; Department of Energy (DOE); General Accounting Office (GAO).

**CON-121094-A** 5 documents; 0.05 cu.ft. *Source:* Congress, Congressional Research Service. *Collection:* Library of Congress. *Contents Description:* Informational guide to current hotlines and organizations involved in issues of human radiation experimentation. *Descriptors:* Records; Congressional Research Service (LC/CRS).

**CON-022395-A** 6 documents; 0.05 cu.ft. *Source:* Congress, General Accounting Office (GAO). *Contents Description:* Response to Request #022595-A. 1. AEC Consideration of Report of the Sixth Meeting of the RW Panel. 2. AEC Application of Radioactive Materials For Military Use, 1/30/48. 3. Radiological Warfare, 4/16/47. 4. Long Range Monitoring of Fall-Out From Jangle and Buster, 7/17/51. 5. Meeting of A Committee To Consider the Feasibility and Conditions for Preliminary Radiologic Safety Shot For Jangle, 5/21/51. 6. Proposed Biological Experiments 1951 Field

Tests of Atomic Weapons Prepared For the Division of Biology and Medicine. *Descriptors:* Radiological Warfare; General Accounting Office (GAO).

**CON-030795-A** 9 folders; 1 cu.ft. *Source:* Congress, House of Representatives: Rep. Edward J. Markey. *Collection:* Markey Files. *Contents Description:* Markey Files and experiment list. (The Markey Files have been in the possession of ACHRE since sometime before May of 1994, until now they have not been accessioned.) *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Harm; Human Subjects; Radiation--Ionizing; Radiation Injury; Department of Energy (DOE); Atomic Energy Commission (AEC).

**CON-042995-A** 3 documents; 0.15 cu.ft. *Source:* Congress, Office of Technology and Assessment. *Collection:* Markey Report. *Contents Description:* Three reports: the first by Hellen Gelband. "A Discussion of Questions About the 1985 NAS Report: Mortality of Nuclear Weapons Tests Participants." OTA Health Program US Congress, August 1992. The Second, by the Special Projects Office of the Office of Technological Assessment US Congress. "Review of the National Research Council Study 'Mortality of Nuclear Weapons Test Participants' and Responses to Specific Questions from Senator Cranston Concerning that Study." undated. Third, by the Special Projects Office of the Office of Technological Assessment US Congress. "An Evaluation of the Feasibility of Studying Long-Term Health Effects in Atomic Veterans." July 1985. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Fallout; Medical Diagnosis; Medical Therapies; Military Activities; Nevada Test Site (Mercury Nevada); Congress.

**CORP-032094-A** 1 video tape *Source:* 60 Minutes. *Contents Description:* A documentary report on the use of an Australian boy during the late 40's as a guinea pig in an American plutonium injection experiment. *Descriptors:* Children; Consent; Experiments; Harm; Human Subjects; Medical Diagnosis; Medical Ethics; Medical Therapies; Plutonium Injections; Radiation--Ionizing.

**CORP-042894-A** 1 folder; 0.07 cu.ft.; inventory available. *Source:* Physicians for Social Responsibility. *Contents Description:* Brochures, publications and news releases related to the Department of Energy's nuclear research programs. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Weapons Research; Nuclear Research; Department of Energy (DOE).

**CORP-051894-A** 1 folder; 0.4 cu.ft.; inventory available. *Source:* Government Accountability Project. *Contents Description:* Background materials on Radiation Experiments (includes relevant materials excerpted from briefing materials prepared for 5/18 - 5/19/94 symposium on "Openness and Secrecy: Symposium on Establishing Accountability in the Nuclear Age, " sponsored by the National Press Club in cooperation with DOE, and convened by the Government Accountability Project, The Information Trust and the Fund for Constitutional Government.). *Descriptors:* Records; Secrecy; Department of Energy (DOE).

**CORP-061794-A** 1 document; 0.05 cu.ft. *Source:* Lieff, Cabraser & Heimann (law firm). *Contents Description:* Information re: Vanderbilt experiment. *Descriptors:* Experiments; Human Subjects; University Research; Vanderbilt University.

**CORP-062094-A** 5 documents; 0.01 cu.ft.; inventory available. *Source:* Van Ness Feldman (law firm). *Contents Description:* Materials re: North Slope Borough, Alaska, Eskimos, participants in Air Force-sponsored "cold weather" tests, which involved radiation exposures. *Descriptors:* Human Subjects; Air Force (DOD/USAF).

**CORP-062094-B** 1 document; 0.01 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* Fact sheet on the National Association of Atomic Veteran. *Descriptors:* Human Subjects; Radiation--Ionizing.

**CORP-062994-A** 1 folder; 0.05 cu.ft. *Source:* Embassy of the Republic of the Marshall Islands. *Contents Description:* April 28, 1978 Memo, Hollister (DOE HQ) to Bair (Battelle) re: Enewetak resettlement. July 25, 1974: Secretariat, Policy Session Item, Secy-75-81 AEC "Radiological Criteria for Enewetak Atoll." June 30, 1953: Pate and Palmer, "A Study of Certain Operational Weather Conditions Involving the Test and Delivery of High Yield Weapons." This Palmer & Pate report on meteorological effects of hydrogen bombs, prepared for task Force 7, Pacific nuclear tests in Marshall Islands. *Descriptors:* Atomic Tests; Bikini Atoll; Marshall Islands; Radiation--Ionizing; Radiation Injury; Vulnerable Populations; Atomic Energy Commission (AEC); Battelle Memorial Institute (Battelle).

**CORP-070194-A** 1 folder; 0.01 cu.ft. *Source:* Beth Israel Hospital, Boston. *Contents Description:* Beth Israel Committee Report: A Historical Review of Radioisotope Use At Beth Israel Hospital. *Descriptors:* Agency Histories; Informed Consent; Radiation--Ionizing.

**CORP-070294-A** 1 video tape *Source:* Cable News Network (CNN): Special Reports. *Contents Description:* CNN report on the use of Los Alamos laboratory employee's and their children as guinea pigs in human radiation experiments. *Descriptors:* Biological Effects; Consent; Ethics; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Plutonium Injections; Radiation--Ionizing; Total Body Irradiation; Los Alamos National Laboratory (DOE/LANL).

**CORP-071294-A** 1 folder; 0.05 cu.ft. *Source:* Cable News Network (CNN). *Collection:* University of Alaska Library. *Contents Description:* Arctic Aeromedical Laboratory Technical Report 57-36, October 1957. *Descriptors:* Experiments; Federal Laboratories; Air Force (DOD/USAF).

*Sources and Documentation*

**CORP-071394-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Lieff, Cabraser & Heimann (law firm). *Contents Description:* "As requested by the Committee, ..a copy of the deposition transcript of William J. Darby, M. D. This transcript is provided for the Committee's official investigation of experiments involving administration of radioactive isotopes to human subjects, and not for publication or public dissemination." *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Vanderbilt University.

**CORP-071594-A** 1 document; 0.01 cu.ft. *Source:* National Association Of Radiation Survivors. *Contents Description:* Preliminary Report Operation Redwing Pacific Proving Grounds May - July 1956 Early Cloud Penetrations. Pgs. 30. (Supposedly also available from Markey Collection.) *Descriptors:* Bikini Atoll; Department of Defense (DOD): Armed Forces Special Weapons Project (ARSWP).

**CORP-071994-A** 1 document; 0.08 cu.ft. *Source:* Kircher, Robinson, Cook, Newman & Welch. *Contents Description:* Chronological index to most of the documents collected by Kircher, Robinson, Cook, Newman, and Welch. *Descriptors:* Records.

**CORP-072194-A** 2 documents; 0.04 cu.ft. *Source:* Center for Atomic Radiation Studies. *Collection:* Cambridge, MA. *Contents Description:* Author: Donnell W. Boardman, MD "Radiation Impact: Atoms to Zygotes Low Level Radiation in the Nuclear Age." *Descriptors:* Agency Histories; Radiation--Ionizing.

**CORP-072194-B** 1 document; 0.01 cu.ft. *Source:* Embassy of the Republic of the Marshall Islands. *Collection:* Document #46 of those provided to the Marshall Islands by DOD. *Contents Description:* Report from Naval Medical Research Institute "Beta Radiation Lesion of the Skin Memorandum Report 56-1 related to project NM 006 012.4. (Located) *Descriptors:* No descriptors.

**CORP-080494-A** 1 folder; 0.01 cu.ft. *Source:* Natural Resources Defense Council. *Contents Description:* Excerpt Of Larger Air Force History, Declassified. Part II of the USAF Aircraft Propulsion Program 1944-1958 Study Seven. *Descriptors:* Agency Histories; Air Force (DOD/USAF).

**CORP-080494-B** 1 document; 0.01 cu.ft.; inventory available. *Source:* American Institute Of Physics. *Contents Description:* List of the Oral History Interviews Of the Neils Bohr Library Of the American Institute Of Physics. *Descriptors:* Agency Histories; Interviews; American Institute of Phyics (AIP).

**CORP-080894-A** 1 folder; 0.02 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* Documentation From Atomic Veterans, Regarding Volunteer Officer Program, Upshot/Knothole, Atomic Energy Commission Meeting Minutes, Memo's to Press, Participation In Selected Volunteer Program of Desert Rock V-7. *Descriptors:* Agency Histories; Experiments.

**CORP-080994-A** 1 document; 0.01 cu.ft. *Source:* Marshall Islands. *Contents Description:* Statement By the Republic Of the Marshall Islands, Commission On Human Radiation Experimentation. *Descriptors:* Marshall Islands.

**CORP-082294-A** 1 folder; 0.1 cu.ft. *Source:* Institute for Energy and Environmental Research. *Collection:* Atomic Energy of Canada, Ltd., Scientific Document Distribution Office, Chalk River Labs, Ontario, Canada KOJ 1JO. *Contents Description:* Permissible Doses Conference held at Chalk River, Ontario, September 1949. (Copy of a document obtained by I.E.E.R. from: Atomic Energy of Canada, Ltd., A.E.C.L. Research Scientific Document Distribution Office, Chalk River Laboratories, Chaulk River, Ontario, Canada, KOJ 1JO) *Descriptors:* Agency Histories; Biological Effects; Experiments; .

**CORP-083194-A** 1 folder; 0.05 cu.ft.; inventory available. *Source:* National Association of Atomic Veterans. *Contents Description:* Contains disscussions on the precise safety standards that will govern testing, and who gets to set them. Also includes many important excerpts from AEC meetings (the whole commission). Discusssion on relative roles of the AEC and DOD, and the chain of commands in the tests. *Descriptors:* Agency Histories; Experiments; Fallout Countermeasures; Human Subjects; Military Activities; Radiological Warfare; Weapons Effectiveness; Weapons Research; Shields Warren; Atomic Energy Commission (AEC); Department of Defense (DOD); Army (DOD/USA).

**CORP-090194-A** 1 folder; 0.04 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* 44 Documents. some correspondence regarding radiological exposure, decontamination of Ebiriru, film badges. Articles: The Guinea pigs of Camp Desert Rock, AEC Kept Fallout Peril Secret In 1950's, '53 A-Test Exceeded Fallout limit. Memorandum in support of defendant's motion for summary judgment, 11/12/85, Exhibits in Support of Defendant's Motion for Summary Judgment, 11/12/85. *Descriptors:* Protection/Shielding; Radiation--Ionizing; Radiation Injury; Volunteers.

**CORP-091394-A** 15 documents; 0.01 cu.ft.; inventory available. *Source:* National Association of Atomic Veterans. *Contents Description:* Document that were obtained at the Committee Meeting. *Descriptors:* Experiments.

**CORP-091394-B** 1 folder; 0.3 cu.ft. *Source:* Kircher, Robinson, Cook, Newman & Welch. *Contents Description:* Enclosed are outlines of cases for eight individuals in Dr. Saenger's radiation experiments pursuant to his contracts with the Dept. of Defense. Also included are Dr. Saenger's Case summaries which were part of his reports to the DOD and five of the patients' hospital records. Documents derived from the archives of University of Cincinnati

given to the plaintiff attorney's are also included. *Descriptors:* Cincinnati Experiments; Eugene Saenger; University of Cincinnati.

**CORP-092694-A** 14 documents; 0.05 cu.ft. *Source:* Embassy of the Republic of the Marshall Islands. *Contents Description:* The claims of the Marshallese Islanders is the major concern of this accession. Various letters from the Embassy of the Republic of the Marshall Islands to ACHRE staff and DOE, also reports and charts are included pertaining to the claim status of the Islanders. *Descriptors:* Agency Histories; Atomic Tests; Bikini Atoll; Experiments; Fallout; Intentional Releases; Marshall Islands; Military Activities; Radiation--Ionizing; Radiation Injury; Releases of Radioactivity; Vulnerable Populations; Weapons Research; Department of Defense (DOD).

**CORP-092994-A** 14 documents; 0.01 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* Certificates of participation and other documents relating to exposure of service personnel to radiation during atomic testing. *Descriptors:* Biological Effects; Human Subjects; Marshall Islands.

**CORP-100394-A** 1 document; 0.01 cu.ft. *Source:* Federation of American Scientists. *Contents Description:* Excerpt from a report titled "Overview of Rover Engine Tests: Final Report," Feb. 1991, by J.L Finseth, Sverdrup Corp./ NASA Marshall Space Flight Center on Kiwi A-Prime nuclear rocket test. *Descriptors:* Agency Histories; Experimental Methods; Experiments; Nuclear Rockets; National Aeronautics and Space Administration (NASA).

**CORP-100594-A** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Federation of American Scientists. *Contents Description:* Declassified report on AEC aerospace nuclear safety regarding nuclear rockets, 1960. *Descriptors:* Agency Histories; Atomic Energy Commission (AEC).

**CORP-101194-A** 4 documents; 0.3 cu.ft. *Source:* National Security News Service. *Contents Description:* Copies of records related to an incident involving a USAF B-52G, that crashed near Thule AFB Greenland on 1/21/68. The Aircraft was carrying nuclear weapons that did not detonate, but some radiation was released. *Descriptors:* Agency Histories; Radiation--Ionizing; Radiological Warfare; Records; Releases of Radioactivity; Department of Defense (DOD).

**CORP-101494-A** 11 documents; 0.01 cu.ft.; inventory available. *Source:* Embassy of the Republic of the Marshall Islands. *Contents Description:* Documents regarding Marshall Islands, including an unofficial briefing paper & petition. *Descriptors:* Marshall Islands; Department of Defense (DOD).

**CORP-102494-A** 1 box; 2 cu.ft. *Source:* South Shore Health Center. *Contents Description:* Patient files from the South Shore Health Center of the following individuals: Margaret Bacon, Frank Bunch, Nina Cline, Estella Goodwin, Amelia Jackson, Maude Jacobs, David Jungnickel, Willard Larkins, Beatrice Johnson-Plair, Irene Shuff, Geneva Snow, John Stillwell, Rose Strohm, and Lillie Wright. *Descriptors:* Medical Diagnosis; Medical Records; Medical Therapies.

**CORP-102894-A** 1 document; 0.05 cu.ft. *Source:* National Security Archive. *Contents Description:* Guide to the Agency Archives and Records Center Inventory System, which is an automated inventory of file folders retired to the AARC. The system records pertinent information about retired file folders, i.e.: classification, retirement job number, box, number, sequential file number, file folder title, inclusive dates of the material within the file folder, and disposition date. *Descriptors:* Records.

**CORP-110894-A** 6 documents; 0.01 cu.ft. *Source:* The Hiroshima and Nagasaki 50th Anniversary Committee. *Contents Description:* Documents from the Hiroshima/Nagasaki 50th Anniversary Committee, includes: pamphlets and brochures on the activities of this committee, and a journal article by Dan Ouellette and Evantheia Schibsted, titled: "Unclaimed: Forty-Six Years Later, They Remain the Forgotten Victims of the Devastating Attacks on Hiroshima and Nagasaki - U.S. Citizens Bombed by Their Own Country." Image Magazine, San Francisco Examiner, 8/4/91. *Descriptors:* No descriptors.

**CORP-110894-B** 16 documents; 0.08 cu.ft. *Source:* Battelle Memorial Institute: Pacific Northwest Laboratory: Hanford Environmental Dose Reconstruction Project. *Collection:* Hanford Environmental Dose Reconstruction Project, Technical Steering Panel. *Contents Description:* TSP "Radiation Dose Newsletter" from April of 1990 to September of 1994. *Descriptors:* Biological Effects; Dose Reconstruction; Experimental Methods; Experiments; Fallout; Green Run; Intentional Releases; Radiation--Ionizing; Releases of Radioactivity; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; Department of Energy (DOE); Hanford Site (Richland Washington).

**CORP-110994-A** 1 document; 0.02 cu.ft.1 video tape *Source:* Van Ness Feldman (law firm). *Collection:* CNN. *Contents Description:* Video of CNN documentary titled "Eskimo Guinea Pigs." Pertaining to thyroid experimentation performed on Eskimos. *Descriptors:* Agency Histories; Biological Effects; Experiments; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Thorium; Department of Defense (DOD).

**CORP-111494-A** 1 document; 0.01 cu.ft. *Source:* Taft, Stettinius & Hollister. *Contents Description:* Four page "Bibliography for TBI/PBI," prepared by Eugene L. Saenger, dated 11/17/94. Contains 55 entries dating from 1932 to 1994. *Descriptors:* Records; Total Body Irradiation; .

*Sources and Documentation*

**CORP-111694-A** 7 documents; 0.5 cu.ft. *Source:* Human Resources Research Organization. *Collection:* HRRO, HUMRRO. *Contents Description:* Seven reports on various psychological experiments, regarding troop reaction to atomic detonations and exercises. 1. White, Benjamin W. Desert Rock V: Reactions of Troop Participant and Forward Volunteer Officer Groups to Atomic Exercises. Army Field Forces Human Research Unit No. 2, Ford Ord, California. 1 Aug., 1953. 33 pgs. 2. Snyder, Richard and Saltz, Eli. Spread of Information Following an Atomic Maneuver. Human Research Unit No. 2, OCAFF, Fort Ord, California, February 4, 1954. 14 pgs. 3. Wineguard, Bob. Characteristics of Troops with Varying Levels of Information About Atomic Effects, Desert Rock IV. Motivation, Morale, and Leadership Division, Human Resources Research Office, August 1954. 22 pgs. 4. Winograd, Berton. Gain in Information in the Desert Rock A-Bomb Maneuvers. Motivation, Morale, and Leadership Division, Human Resources Research Office, March 1954. 19pgs. 5. Bordes, Peter A.; Finan, John L.; Hochstem, Joseph R.; McFann, Howard H.; and Schwartz, Shepard G. Desert Rock I: A Psychological Study of Troop Reactions to an Atomic Explosion. The George Washington University Human Resources Research Office operating under contract with the Dept. of the Army. Feb. 1953. 152 pgs. 6. Desert Rock IV - Reactions of an Armored Infantry Battalion to an Atomic Bomb Maneuver. Motivation, Morale, and Leadership Division, The George Washington University Human Resources Research Office operating under contract with the Dept. of the Army. August 1953. pgs. 233. 7. Baldwin, Robert D. Experiences at Desert Rock VIII, Human Resources Research Office. March 1958. pgs. 87. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Experimental Methods; Experiments; Human Subjects; Military Activities; Releases of Radioactivity; Scientific Data; Scientific Method; Volunteers; Weapons Effectiveness; Weapons Research; Department of Defense (DOD).

**CORP-111794-A** 1 folder; 0.2 cu.ft. *Source:* Alaska Public Interest Research Group. *Contents Description:* Documents relating to project "Chariot," and the plight of the North point Alaskan Eskimos. The bulk of the documents come from the Public Health Service, dated from 1960-64. *Descriptors:* Agency Histories; Atomic Tests; Biological Effects; Experimental Methods; Experiments; Fallout; Race; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Public Health Service (PHS).

**CORP-111794-B** 1 document; 0.01 cu.ft. *Source:* Beth Israel Hospital, Boston: Historical Review Committee. *Contents Description:* Historical Review Committee Beth Israel Hospital. An Historical Review of Radioisotope Use at Beth Isreal Hospital. Boston: The Beth Israel Corporation, May 1994. *Descriptors:* Children; Contract Laboratories; Experiments; Helsinki Code; Human Subjects; Informed Consent; Nuremberg Codes/Trials; Radiation--Ionizing.

**CORP-111894-A** 2 documents; 0.2 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* Two AEC reports given to ACHRE by Pat Broudy: 1. US Atomic Energy Commission. The Acute Radiation Syndrome: A Medical Report on the Y-12 Accident June 16, 1958. By Marshall Brucer, April 1959. ORINS-25. 2. US Atomic Energy Commission office of Technical Information. The ORINS Human Radiation Counters: A Preliminary Report. By Marshall Brucer. July 1960. ORINS-38. *Descriptors:* Agency Histories; Biological Effects; Contract Laboratories; Experiments; Harm; Human Subjects; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Releases of Radioactivity; Scientific Data; Total Body Irradiation; Department of Energy (DOE); Oak Ridge Institute for Nuclear Studies (ORINS).

**CORP-112094-A** 1 folder; 0.03 cu.ft. *Source:* Western States Legal Foundation. *Contents Description:* Materials sent form Western States Legal Foundation - Describes activities - intentional releases at Camp Parks Facility in Pleasanton, CA. *Descriptors:* Biological Effects; Experiments; Human Subjects; Intentional Releases; Radiation--Ionizing; Research--Nontherapeutic; Atomic Energy Commission (AEC); National Research Council (NAS/NRC).

**CORP-112294-A** 1 document; 0.01 cu.ft. *Source:* Van Ness Feldman (law firm). *Contents Description:* The testimony of Ms. Florence Newman, a woman from Alaska's Arctic Village who participated in the Air-Force "Cold Weather" tests involving exposures to Iodine 131. *Descriptors:* Biological Effects; Consent; Experiments; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Vulnerable Populations; Air Force (DOD/USAF).

**CORP-112294-B** 1 document; 0.01 cu.ft. *Source:* Human Resources Research Organization. *Contents Description:* Summary of reports sent to ACHRE by HumRRO, regarding the HumRRO research during four Army Training exercises involving Atomic Weapons--1951-1957. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Experiments; Fallout; Fallout Countermeasures; Human Subjects; Military Activities; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research

**CORP-112394-A** 4 documents; 0.01 cu.ft. *Source:* National Security Archive. *Contents Description:* Documents on Long-Range Detection of Atmospheric nuclear explosions: - Report: from the Department of the Air Force Office of the Chief of Staff, W. Stuart Symington, Jan 12, 1948. Three more reports: on the above subject, all mention operation SANDSTONE. The first is dated 3/5/48 and is from the Office of the Secretary of Defense, authored by John H. Ohly. The next is dated 2/2048 and is from the Dept. of the Air Force and is authored by A.S. Barrows. The last is an attachment to the latter called the Design of Experiment for Fitzwilliam, undated.

*Descriptors:* Atomic Tests; Biological Effects; Fallout Countermeasures; Long Range Detection; Weapons Effectiveness; Weapons Research; Vannevar Bush; Air Force (DOD/USAF); Department of Defense (DOD); Secretary of Defense--See Office of the.

**CORP-112994-A** 1 folder; 0.3 cu.ft.; inventory available. *Source:* National Association of Atomic Veterans. *Contents Description:* Documents related to animal experimentation on cattle, burros, swine, rabbits, Rhesus monkeys, dogs, rats, sheep, and kangaroo rats . (some conducted during operation PLUMBBOB). *Descriptors:* Animal Experimentation; Atomic Tests; Experimental Methods; Experiments; Fallout; Protection/Shielding; Radiation--Ionizing; Scientific Data; Scientific Method; Weapons Research; John Pickering; Air Force (DOD/USAF); Atomic Energy Commission (AEC); Defense Atomic Support Agency (DOD/DASA); Division of Biology and Medicine (AEC/DBM).

**CORP-120294-A** 1 document; 0.2 cu.ft. *Source:* Lieff, Cabraser & Heimann (law firm). *Contents Description:* Transcript: Emma Craft, et al Plaintiffs v. Vanderbilt University, et al. Defendants. Appendix to Memorandum of Law in Support of Defendants' Motion to Decertify. In the United States District Court for the Middle District of Tennessee Nashville Division. *Descriptors:* Consent; Law & Legal Issues; Plutonium Injections; Pregnant Women; Radiation--Ionizing; Records; University Research; Vanderbilt University.

**CORP-121294-A** 1 folder; 0.2 cu.ft. *Source:* Public Citizen Litigation Group. *Contents Description:* FDA/DOD wavier of informed consent during operation Desert Shield/Storm. . *Descriptors:* No descriptors.

**CORP-121694-A** 16 documents; 0.09 cu.ft. *Source:* Portsmouth-Piketon Residents for Environmental Safety and Security. *Contents Description:* Packet includes GAO and DOE Oak Ridge Documents on worker exposure. Also: Copy of April 17, 1947 AEC letter from Col. OG Haywood, Jr To Dr. Fidler of Oak Ridge re: Classification of materials pertaining to human experiments released Dec. 15 by ACHRE. Also: Info on Owen Thompson and Sherry Brabant who spoke at Cincinnati panel meeting. 1947 AEC letter was obtained by this individual, not through ACHRE Noel and Kris are looking into Oak Ridge document review and distribution. (Submitted at Public Comment Section) *Descriptors:* Biological Effects; Fallout; Releases of Radioactivity; Scientific Method; Scientific Standards; General Accounting Office (GAO); Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**CORP-121694-B** 20 documents; 0.15 cu.ft. *Source:* Portsmouth-Piketon Residents for Environmental Safety and Security. *Contents Description:* Documents concerning occupational hazards at the Piketon Goodyear Atomic Plant in Ohio. (see accession contents for a document by document description) *Descriptors:* Occupational Guidelines; Occupational Health; Private Laboratories; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Scientific Data; Stafford Warren; Atomic Energy Commission (AEC); Department of Energy (DOE).

**CORP-121994-A** 1 binder; 0.2 cu.ft.; inventory available. *Source:* Research and Technology. *Contents Description:* Response to ACHRE request. Binder from National Advisory Committee On Radiation Experiments, Massachusetts General Hospital. Includes: Evolution of Peer Review Processes at MGH, Radioactive Isotope Committee, Committee on Research, Guiding Principles for Human Studies, Subcommittee on Human Studies, History of Informed Consent. *Descriptors:* Ethics; Department of Health and Human Services (DHHS).

**CORP-122094-A** 1 document; 0.15 cu.ft.1 video tape *Source:* Alaska Public Interest Research Group. *Contents Description:* A videotape and report produced by the Alaska Public Interest Research Group, Inc. about project "Chariot." The report is titled "A Bibliography of Ecological Literature on Radioactive Contaminant Cycling in Northern Ecosystems" by Ezekiel O. T. Peters, Anchorage, AK 1994. *Descriptors:* Atomic Tests; Biological Effects; Experimental Methods; Experiments; Intentional Releases; Military Activities; Radiation--Ionizing; Radiation Injury; Records; Weapons Effectiveness; Weapons Research.

**CORP-122294-A** 1 folder; 0.1 cu.ft. *Source:* M.D. Anderson Cancer Center. *Contents Description:* Results of search for records on informed consent, based on review of 70 charts during 1951-54. Includes table of forms and examples of archival forms from each year. Forms contain names of Patient. *Descriptors:* Records; M. D. Anderson Hospital (Houston Texas).

**CORP-122794-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* KUED. *Contents Description:* Transcript of an interview of Dr. Victor Archer, conducted by KUED-TV in the production of documentary "The Atomic Stampede". Other interviews Val Snow, 7/93, Gary Quinn, 7/93. These featured men who worked in Utah uranium mines during 1950's. *Descriptors:* Interviews.

**CORP-122894-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* Blue Mt. Tumor Registry. *Contents Description:* Report on cancer patients in the Hanford area, 1993 by the Blue Mt. Regional Tumor Registry, "Cancer Patterns: In the Blue Mountain/ Tri-Cities Region.". *Descriptors:* Medical Diagnosis; Radiation--Ionizing; Records; Releases of Radioactivity; Hanford Site (Richland Washington).

**CORP-010395-A** 3 documents; 0.1 cu.ft. *Source:* Deseret News. *Contents Description:* Contains Newspaper article from the Deseret News by Lee Davidson, titled "Cold War: Weapons Testing." Also, excerpts from recently declassified documents on radiological warfare from the National Archives, RG 374, series 18. *Descriptors:*

Intentional Releases; Military Activities; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; Air Force Special Weapons Center (AFSWC/USAF); Air Force (DOD/USAF).

**CORP-010995-A** 1 folder; 0.1 cu.ft. *Source:* M. D. Anderson Hospital: Division of Radiotherapy. *Contents Description:* Records search conducted at M.D. Anderson Hospital on informed consent. Also included are samples of numerous release forms from 1951-56, which include reference to "X-Ray therapy, radium and radioactive isotopes, " signed by patients.. *Descriptors:* Consent; Consent--Written; Consent Forms; Informed Consent; M. D. Anderson Hospital (Houston Texas).

**CORP-011095-A** 11 documents; 0.05 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* A letter from Pat Broudy debating ACHRE's remedies presented at the December meeting, with attachments. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Experimental Methods; Experiments; Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Radiological Warfare; Scientific Data; Scientific Method; Weapons Effectiveness; Weapons Research; Shields Warren; Navy (DOD/USN); Congress.

**CORP-011795-A** 1 document; 0.08 cu.ft. *Source:* Kircher, Robinson, Newman, & Welch. *Collection:* Cincinnati Radiation Litigation. *Contents Description:* January 11, 1995. 88 pg. opinion of the federal district court in the Cincinnati Radiation Litigation. The decision generally denied the defendants motion to dismiss the case. It held, among other things, that the Nuremberg code provided an indication that the law concerning informed consent for human experiments was clearly established, and therefore defendants are not immune. *Descriptors:* Cincinnati Experiments; Ethics; Experiments; Informed Consent; Law & Legal Issues; Radiation--Ionizing; Research--Nontherapeutic; Total Body Irradiation.

**CORP-012095-A** 34 documents; 0.2 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* Documents relate to radiation exposure's genetic effects on Atomic Veterans. (Documents submitted at the January Committee meeting.) *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Experiments; Military Activities; Occupational Health; Radiation--Ionizing; Radiological Warfare; Scientific Data; Weapons Effectiveness; Weapons Research; Advisory Committee on Biology and Medicine (AEC/ACBM); Brookhaven National Laboratory (DOE/BNL).

**CORP-012395-A** 51 documents; 0.05 cu.ft.; inventory available. *Source:* Embassy of the Republic Of the Marshall Islands. *Contents Description:* Documents provided by the Embassy of the Republic of the Marshall Islands. Listed according to their "DOE file number". Comments and some summarization provided by RMI. Subjects include: Ivy Operation, Bravo, Castle, Pace. Documents are broken up into 3 sections. *Descriptors:* Marshall Islands; Radiological Warfare; Department of Defense (DOD).

**CORP-013095-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Graves & Hilgemann. *Contents Description:* Depositions of Mavis Rowley and Carl G. Heller, Carl G. Heller, John Henry Atkinson, Donald Eugene Mathena, Ivan Dale Hetland, Baxter Hignite. *Descriptors:* Law & Legal Issues; Atomic Energy Commission (AEC).

**CORP-013095-B** 7 documents; 0.04 cu.ft. *Source:* Copeland, Landye, Bennett and Wolf. *Contents Description:* Documents submitted regarding Alaskan Eskimos use in Human Radiation Experiments. *Descriptors:* Fallout; Vulnerable Populations; Department of Energy (DOE).

**CORP-020795-A** 2 documents; 0.1 cu.ft. *Source:* U.S. News & World Report. *Contents Description:* 1. Project Sunshine Annual Report for 3/31/55-4/1/56, Contract AT(30-1)-1656, CIC # 710270. 2. Journal Article: Schulert, Arthur and Peets, Edwin. "Comparative Metabolism of Strontium and Calcium in Man." International Journal of Applied Radiation and Isotopes, 1959, Vol. 4. (US News & World Report gave ACHRE the above to Dan and Lanny on 02/06/95) *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Fallout; Fallout Countermeasures; Radiation--Ionizing; Releases of Radioactivity; Department of Energy (DOE).

**CORP-021395-A** 1 document; 0.02 cu.ft. *Source:* Citizen Alert & Rural Alliance for Military Accountability. *Contents Description:* Report: "Uranium Battlefields Home and Abroad: Depleted Uranium Use by the US. Department of Defense." March 1993 by Citizen Alert & Rural Alliance for Military Accountability. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Weapons Effectiveness; Weapons Research; Department of Defense (DOD).

**CORP-030595-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* Embassy of the Republic of the Marshall Islands. *Contents Description:* Correspondence expresses recommendations from Republic of Marshall Islands. Attached is a transcript from 15th Constitutional Regular Session, 1994 Resolution No. 86. *Descriptors:* Biological Effects; Fallout Countermeasures.

**CORP-032395-A** 7 documents; 0.02 cu.ft.; inventory available. *Source:* National Association of Atomic Veterans. *Contents Description:* Letter to Honorable John D. Rockefeller from Jesse Brown dated 7/18/94. Design and performance of a fallout-tested manned shelter station and its suitability as a single family shelter partial copy from U.S. Naval Radiological Defense Laboratory, dated 4/23/63. Total Funding for the Nuclear Test Personnel Review Program (1978 - 1994), DNA Costs for NTPR Dose Reconstruction, Veterans, Survivors and Claims (no date),

Chapter 2 of Shot Galileo: A Test of the Plumbob Series, 9/2/57. *Descriptors:* Atomic Tests; Radiological Warfare; Department of Defense (DOD).

**CORP-032795-A** 2 documents; 0.01 cu.ft. *Source:* NHK (Tokyo): Washington Bureau. *Contents Description:* Two Letters: the first from W.H. Langham to Charles Dunham of DBM, 7/23/57, re: potential hazard of world-wide Sr 90 fallout from weapons testing. The other 09/12/57, C.L. Dunham to Chairman Lewis L Strums(?), maximum permissible concentrations of strontium 90 in humans. (project sunshine material) *Descriptors:* Atomic Tests; Biological Effects; Fallout; Radiation--Ionizing; Wright Langham; Charles L. Dunham; Atomic Energy Commission (AEC).

**CORP-033095-A** 1 document; 0.01 cu.ft. *Source:* Institute for Energy and Environmental Research. *Contents Description:* Stafford Warren's July 1945 recommendation that nuclear tests should not be carried out within 150 miles of human habitation. *Descriptors:* Atomic Tests; Fallout; Weapons Effectiveness; Weapons Research; Manhattan Engineer District (War/CE/MED).

**CORP-040795-A** 4 documents; 0.14 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* Documents primarily are concerned with Public Law 100-321 and the allowable "radiogenic" diseases it lists for compensation. *Descriptors:* Law & Legal Issues; Radiation--Ionizing; Radiation Injury; Department of Justice (DOJ); Department of Veterans Affairs (DVA).

**CORP-041995-A** 2 documents; 0.3 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* Letter from Mr. Fenton re: atomic veterans issues and the text of Dottie Troxell book provided by Mr. Fenton. Dottie Troxell was a uranium processing plant worker. She suffered from overexposure and believes she was experimented on while in treatment at the Lovelace Foundation medical center. *Descriptors:* Occupational Health; Radiation--Ionizing; Uranium Mining/Miners/Milling.

**CORP-042195-A** 8 documents; 0.25 cu.ft. *Source:* Embassy of the Republic of the Marshall Islands. *Contents Description:* Documents submitted by Holly Barker regarding the Marshall Islands. *Descriptors:* Atomic Tests; Bikini Atoll; Fallout; Harm; Marshall Islands; Radiation--Ionizing; Radiation Injury; Vulnerable Populations; Defense Nuclear Agency (DOD/DNA); Department of Energy (DOE); University of Washington.

**CORP-042895-A** 1 folder; 0.25 cu.ft. *Source:* National Association of Atomic Veterans. *Contents Description:* Documents received from Pat Broudy regarding radioactive fallout from test conducted at the Nevada test site. *Descriptors:* Fallout; Radiation--Ionizing; Radiation Injury; Atomic Energy Commission (AEC).

**CORP-050195-A** 3 documents; 0.2 cu.ft.1 video tape *Source:* American College of Radiology. *Contents Description:* Secondary works regarding the history of radiology. *Descriptors:* Medical Diagnosis; Medical Equipment; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; Research Ethics; Scientific Data; Scientific Equipment; Scientific Method.

**CORP-051795-A** 1 document; 0.07 cu.ft. *Source:* Alaska Public Interest Research Group. *Contents Description:* Transcript of interview with Wayne Hanson by Daniel O'Neill in Bellingham, Washington on May 4, 1988. Tapes of interview provided by AKPIRG. *Descriptors:* Interviews.

**CORP-062295-A** 9 documents; 0.08 cu.ft. *Source:* Taft, Stettinius & Hollister. *Contents Description:* Joseph Parker's response to the final report chapter draft regarding Total Body Irradiation and the Cincinnati Experiments with attachments. *Descriptors:* Cincinnati Experiments; Ethics; Experiments; Total Body Irradiation; .

**CPSC-122894-A** 2 documents; 0.03 cu.ft.; inventory available. *Source:* Kailash Gupta (Consumer Product Safety Commission). *Contents Description:* Response to Request #113094-C. Enclosures include: Directives System Order 0620.1, 11/22/91; Regulations & guidelines Part 1028 Protection of Human Subjects. *Descriptors:* Guidelines/Regulations.

**DED-011395-A** 5 documents; 0.02 cu.ft.; inventory available. *Source:* Edward Glassman (Department of Education). *Contents Description:* Letter answers request #113094-G. Documents enclosed are: Table 1 Summary of Education department of Research and Development Funding by Program Budget Authority in Thousands of Dollars, 1/9/95, Table 2 Research and Development Activities Department of Education All Programs, Sec. 1017. Protection of Pupils, Education Department General Administrative Regulations. *Descriptors:* Guidelines/Regulations.

**DOD-022394-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Department of the Navy. *Contents Description:* Letter of 2/23/94 To: Chief, Bureau of Medicine and Surgery (MED-21), From: Naval Submarine Medical Research Laboratory, Subject: Human Radiation Research Review. Enclosed with letter is memorandum to Comdr. Palmer, from: A. S. Chrisman, Subject: Radium Treatment, dated 1/20/45. *Descriptors:* Human Subjects; Navy (DOD/USN).

**DOD-042994-A** 4 boxes; 8 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* University of Cincinnati. *Contents Description:* Saenger experiment; DOD Phase I & II reports (records search); Cincinnati Congressional field hearing; University of Cincinnati lawsuits; Green Run; Informed consent.

*Descriptors:* Cincinnati Experiments; Consent; Green Run; Human Subjects; Law & Legal Issues; Records; University Research; Eugene Saenger; Congress; University of Cincinnati.

**DOD-050294-A** 3 boxes; 4 cu.ft. *Source:* Department of Defense. *Collection:* University of Cincinnati Medical Center. *Contents Description:* Documentation of Cincinnati "Saenger" experiments with total body radiation. Includes 10 reports by Saenger, American College of Radiation report, Jr. faculty report, grant application and reviews, correspondence, journal articles, etc. *Descriptors:* Agency Histories; Cincinnati Experiments; Experimental Methods; Experiments; Grants/Grantees; Eugene Saenger; Department of Defense (DOD); University of Cincinnati.

**DOD-052094-A** 1 folder; 0.5 cu.ft. *Source:* Gordon K. Soper (Department of Defense). *Contents Description:* Two Copies of the two remaining DOD-sponsored contracts with the University of Cincinnati related to work conducted by Dr. Saenger. 1. Contract material for "The Continuation of Study on Metabolic Effects of Whole Body and Partial Body Irradiation in Human Beings." Also contains modification forms of the proposals of the exp. DA-49-146-XZ-315. Circa 1964-1970 2. Contract material for DASA-01-69-C-0131, included are correspondence, contract modification forms, budgets, and other financial documets. *Descriptors:* Agency Histories; Experiments; Grants/Grantees; Records; University Research; Eugene Saenger; University of Cincinnati; Defense Atomic Support Agency (DOD/DASA).

**DOD-060394-A** 6 documents; 0.1 cu.ft. *Source:* Department of Defense, Defense Nuclear Agency. *Contents Description:* Defense Nuclear Agency Materials on organzational background and reports on research subject programs. *Descriptors:* Human Subjects; Department of Defense (DOD): Defense Nuclear Agency.

**DOD-060794-A** 1 box; 1.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* "informed consent documents for the Navy, the Air Force, the Armed Forces Radiobiology Research Institute, and the Defense Nuclear Agency" -- also Baylor University and Sloan-Kettering Institute. *Descriptors:* Consent; Human Subjects; Informed Consent; University Research; Baylor University; Air Force (DOD/USAF); Army (DOD/USA); Navy (DOD/USN); Sloan-Kettering Institute.

**DOD-060994-A** 1 document; 0.1 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Memorandum of June 30, 1953, from Assistant Army Chief of Staff regarding use of volunteers in research, to Surgeon General and Chief Medical Officer. (Key document describing Army's implementation of DOD's informed consent & disclosure) *Descriptors:* Consent; Human Subjects; Informed Consent; Voluntariness; Volunteers; Army (DOD/USA).

**DOD-061094-A** 1 document; 0.1 cu.ft. *Source:* Department of Defense, Department of the Army, Inspector General. *Contents Description:* Dept. of the Army Inspector General report "Use of Volunteers in Chemical Agent Research," DAIG-IN 21-75, prepared by James R. Taylor and William N. Johnson, 1975, recounting the history of the Army's use of "volunteers" in chemical warfare research in particular and human experimentation in general. *Descriptors:* Human Subjects; Voluntariness; Volunteers; Weapons Research; Army (DOD/USA).

**DOD-061094-B** 1 document; 0.01 cu.ft. *Source:* Department of Defense. *Contents Description:* Memorandum from the Office of the Chief of Staff, Department of the Army, on the use of volunteers in research, 30 June 1953. (Duplicate of DOD-060994-A?) *Descriptors:* Human Subjects; Voluntariness; Volunteers; Army (DOD/USA).

**DOD-062194-A** 1 folder; 0.5 cu.ft.1 video tape ; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Materials re: Baylor University, Air Force (inc. Green Run) and Navy experiments and experiment policy; also materials from NARA, RG330--Office of the Secretary of Defense, on experiment standards and policy; video tape interview with Col. Pickering. *Descriptors:* Ethical Guidelines; Ethical Policies; Experiments; Green Run; Guidelines/Regulations; Human Subjects; University Research; Interviews; John Pickering; Baylor University; Department of Defense (DOD): Office of the Secretary of Defense; Air Force (DOD/USAF); Navy (DOD/USN); National Archives and Records Administration (NARA).

**DOD-062194-B** 1 folder; 0.4 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Air Force Memorandum-Trip Report, Federal Personnel Records Center, St. Louis, 6/10/94, and information on the Army's Food Irradiation Program. *Descriptors:* Experiments; Records; Air Force (DOD/USAF); Army (DOD/USA).

**DOD-062194-C** 7 folders; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Department of the Navy. *Collection:* Records copied from NARA, Suitland. *Contents Description:* US Navy Materials re: use of human subjects; informed consent; volunteers; records management; reports and publications; project lists; Marshall Islands; bio-astronautics; nuclear weapons testing; Committee for Protection of Human Subjects; Capt. George, "Medical Service Corps - History - Radiation Health - Radiation Specialists" [draft report], 6/10/94; folder six contains formerly classified materials. *Descriptors:* Classified Research; Experiments; Guidelines/Regulations; Human Subjects; Informed Consent; Marshall Islands; Records; Subject Consent; Voluntariness; Volunteers; Weapons Research; Navy (DOD/USN); National Archives and Records Administration (NARA).

**DOD-062494-A** 1 box; 2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* "technical reports regarding radiological warfare experiments that were recently received from Dugway Proving Ground and..information submitted by the Navy related to human use in experimentation". *Descriptors:* Experiments; Human Subjects; Radiological Warfare; Weapons Research; Army (DOD/USA); Navy (DOD/USN).

**DOD-062994-A** 2 boxes; 3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Defense Nuclear Agency. *Contents Description:* DNA materials submitted in response to a meeting with ACHRE staff. "This meeting resulted in seventeen (17) action items which were summarized and forwarded to DNA in an 8 June 1994 letter from Mr. Guttman. Attachment (1) summarizes the status of DNA action items resulting from these two meetings. Attachments (2) through (6) are provided in response to these action items.." Attachments 2-6 respond to Action Items #1, 2, 3,4, and 23. *Descriptors:* Contracts/Contractors; Experiments; Human Subjects; Radiation--Ionizing; Department of Defense (DOD): Defense Nuclear Agency.

**DOD-063094-A** 1 box; 1.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* As requested by ACHRE, additional informed consent and human use documents obtained from AFRRI; Dugway Proving Ground documents received from DOE's Coordination and Information Center (CIC) in Las Vegas, Nevada; Army human use documents obtained from Ft. Detrick, Maryland; selected documents from NARA record groups 112, 175, 319 and 330; and copies of Entry 341 and Entry 349 from NARA. *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects; Informed Consent; Radiological Warfare; Records; Weapons Research; Joseph Hamilton; Kenneth Scott; Louis H. Hempelmann; Robert Oppenheimer; Robert Stone; Stafford Warren; Advisory Committee on Biology and Medicine (AEC/ACBM); Chemical Corps (DOD/USA/CC); Naval Radiological Defense Laboratory (DOD/USN/NRDL).

**DOD-070594-A** 1 document; 0.01 cu.ft. *Source:* Gordon K. Soper (Department of Defense). *Contents Description:* Letter to Congressman Portman from Gordon Soper regarding info on Cincinnati or Saenger Experiments. *Descriptors:* Cincinnati Experiments; Eugene Saenger; Department of Defense (DOD).

**DOD-071194-A** 1 box; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* "..materials requested by the Advisory Committee in your 23 May 1994 and 22 June 1994 Memoranda. Included are..the "Board of Governor's Minutes" recently received from DNA and records from RG 330 re the Research and Development Board and the Armed Forces Medical Council.". *Descriptors:* Experiments; Records; Department of Defense (DOD): Defense Nuclear Agency; Department of Defense (DOD): Research and Development Board; National Archives and Records Administration (NARA).

**DOD-071494-A** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Department of the Navy. *Collection:* Capt. George's office. *Contents Description:* Records of the U. S. Navy Radiological Defense Laboratory, San Francisco, Including Official Histories. *Descriptors:* Federal Laboratories; Naval Radiological Defense Laboratory (DOD/USN/NRDL); Navy (DOD/USN).

**DOD-071494-B** 5 documents; 0.01 cu.ft.1 diskette *Source:* Department of Defense, Department of the Navy. *Collection:* Navy. *Contents Description:* Diskette: Of Navy's Collected Abstracts; files are Rad Sup la.doc, Rad Sup lb.doc, Rad Sup 2. doc, Rad Sup 3H.doc, Rad Sup 4c.doc In MSWord. Documents are hardcopies of the first page of all files on the disk. These are supplemental reports. *Descriptors:* Department of Defense (DOD).

**DOD-071694-A** 21 folders; 1.3 cu.ft.; inventory available. *Source:* Department of Defense, Department of the Navy. *Contents Description:* Papers related to radiation experiments conducted at Department of the Navy facilities, including Naval Medical Research and Development Command (NMRDC); NHRC San Diego [NHRC = Naval Hospital and Research Center?]; Naval Medical Research Institute (NMRI); Naval Radiological Defense Laboratory (NRDL); Submarine Medical Research Laboratory (SMRL); National Naval Medical Center (NNMC), Bethesda; Naval Hospital, St. Albans; Naval Medical Research Unit #3, Cairo, Egypt; some duplication (but not complete). *Descriptors:* Experiments; Federal Laboratories; Human Subjects; Radiation--Ionizing; Naval Radiological Defense Laboratory (DOD/USN/NRDL); Navy (DOD/USN).

**DOD-071894-A** 1 box; 1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* "..documents submitted by DNA in reponse to your 20 May meeting.." Includes a memorandum documenting DNA's third document submission, a summary of responses to requests to date, a printout obtained from the initial DNA computer search, reports from three experiments, DASA procurement instructions, and the results of a bibliographic search of DNA Technical Library holdings. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; Department of Defense (DOD): Defense Atomic Support Agency (DASA); Department of Defense (DOD): Defense Nuclear Agency.

**DOD-071994-A** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* "Subject: Response to Congressman Portman. Per our conversation, progress rpt &

addresses current research proposals.." Questions from Representative Portman and DOD's answers. *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects; Radiation--Ionizing; Congress.

**DOD-072194-A** 1 document; 0.01 cu.ft. *Source:* Embassy of the Republic of the Marshall Islands, Holly Barker. (Department of Defense). *Collection:* Document #46 of those provided to the Marshall Islands by D.O.D. *Contents Description:* Report from Naval Medical Research Institute "Beta Radiation Lesion of the Skin Memorandum Report 56-1 related to project N.W. 006 012.4. (Located in Air Force files, from Operation Castle. Accidents folder, according to annotation on cover page. Authors: Robert A. Conard Naval Medical Research Institute, Carl F. Tessmer, Armed Forces Institute of Pathology.) *Descriptors:* Agency Histories; Harm; Marshall Islands; Military Activities; Radiation Injury; Army (DOD/USA); Navy (DOD/USN).

**DOD-072294-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Materials requested re: Army Medical Research and Development Command, Office of Human Use Review, Fort Detrick, MD. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing.

**DOD-072294-B** 1 folder; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* NARA RG 330, Entry 341. *Contents Description:* Requested materials re: Joint Panel on Medical Aspects of Atomic Warfare, the Committee on Medical Sciences, and R&D Coordination groups. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; National Archives and Records Administration (NARA).

**DOD-072294-C** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Surgeon General's Office; NARA. *Contents Description:* Materials requested, acquired from the Air Surgeon General's office, re: Arctic Aeromedical Laboratory Study on Thyroid activity in men exposed to cold, NEPA project, Air Force radiation experiments, follow-up requests, tasks from ACHRC memo of 13 July 1994, and some documents retrieved from the National Archives. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; Air Force (DOD/USAF); National Archives and Records Administration (NARA).

**DOD-072294-D** 1 box; 1.2 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Materials requested re: additional Air Force experiments, including reports from Wilford Hall Medical Center, Keesler AFB, Travis AFB, and RECC event file. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Air Force (DOD/USAF).

**DOD-072594-A** 2 folders; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Requested materials from the Defense Nuclear Agency (DNA), including (1) DNA Human Radiation Research Review Master List of Action Items, (2) 15 reports on specific experiments, and (3) DNA and Defense Atomic Support Agency (DASA) organziation charts for February 1958 through August 1974 [only one copy of the charts]; and from the Armed Forces Radiobiology Research Institute (AFFRI), including 5 reports and publications describing specific DASA radiation-related activities. *Descriptors:* Agency Histories; Experiments; Human Subjects; Radiation--Ionizing; Department of Defense (DOD): Armed Forces Radiobiology Research Institute (AFRRI); Department of Defense (DOD): Defense Nuclear Agency.

**DOD-072594-B** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Materials requested from the Defense Nuclear Agency,materials related to the history and programs of the Armed Forces Radiobiology Research Institute (AFFRI), the Armed Forces Specal Weapons Project (AFSWP), and the Defense Atomic Support Agency (DASA). *Descriptors:* Agency Histories; Weapons Effectiveness; Weapons Research; Department of Defense (DOD): Armed Forces Radiobiology Research Institute (AFRRI); Department of Defense (DOD): Armed Forces Special Weapons Project (ARSWP); Department of Defense (DOD): Defense Atomic Support Agency (DASA); Department of Defense (DOD): Defense Nuclear Agency.

**DOD-072794-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force Historical Research Agency (AFHRA). *Contents Description:* Army Air Force (AAF) Regulation 20-1, 9/15/45, detailing responsibilities of key AAF personnel including the Air Surgeon, who is described as "responsible for direc[t]ing the 'aero-medical research and altitude training programs;..and immediate supervision over the School of Aviation Medicine.'". *Descriptors:* Agency Histories; Guidelines/Regulations; Military Activities; Air Force (DOD/USAF); Army (DOD/USA).

**DOD-072794-B** 1 box; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* National Personnel Records Center, St. Louis, MO; Brooks Air Force Base, TX; NARA, Suitland, MD. *Contents Description:* P. R. Hawley, et al., Final Report of the Subcommittee on Medical Research (7/28/48); documents retrieved by the Department of the Air Force from the National Personnel Records Center, St. Louis, Missouri, Brooks Air Force Base, Texas, and the Washington National Records Center, Suitland, re: various

experiments (mostly involving animals), but also documents concerning "the first Air Force regulation which specifically required informed consent" and its development, regulations concerning experimentation, preparing progress reports, research project procedures, etc., and "..a regulation on prevention of injury due to chronic exposure to ionizing radiation.". *Descriptors:* Consent; Experiments; Federal Laboratories; Human Subjects; Radiation--Ionizing; Records; Subject Consent; Weapons Research; Air Force (DOD/USAF).

**DOD-072794-C** 4 boxes; 6 cu.ft.8 reels *Source:* Department of Defense, Department of the Air Force. *Contents Description:* Department of the Air Force School of Aviation Medicine histories. *Descriptors:* Agency Histories; Air Force (DOD/USAF).

**DOD-080594-A** 1 folder; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Army Surgeon General Records, Contains Privacy Act Information. *Descriptors:* Agency Histories; Department of Defense (DOD).

**DOD-080694-A** 2 folders; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Joint AEC-DD Panel On Radiological Warfare. Also Meeting Minutes Of the DoD Research and Development Board, Committee On Medical Sciences, Committee On Chemical Warfare. Also included are DNA documents labeled HRE-34 to HRE-49, which are correspondence and reports. A bibliogarphy of published litature for War Department and Army Department with Tulane University, conducted at Charity Hospital. (some articles on the list are included mostly conducted by Sam Threefoot). *Descriptors:* Agency Histories; Experimental Methods; Experiments; Radiological Warfare; Federal Security Agency (FSA); Department of Defense (DOD); Tulane University; War Department (War).

**DOD-081694-A** 1 document; 0.01 cu.ft. *Source:* Calloway (Department of Defense). *Collection:* DNA. *Contents Description:* Operation Teapot, DNA 6009F, Nuclear Test Personnel Review, DoD Involvement In Program of the Civil Effects Test Group. *Descriptors:* Agency Histories; Guidelines/Regulations; Radiation--Ionizing; Department of Defense (DOD): Defense Nuclear Agency.

**DOD-081994-A** 2 folders; 0.07 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA. *Contents Description:* Response from 5/20/94 meeting between DoD & ACHRE and also 6/3/94 meeting between DNA, AFFRI & ACHRE. Includes documents from Operation Upshot/Knothole, Operation Castle, Operation Snapper.. *Descriptors:* Agency Histories; Biological Effects; Contracts/Contractors; Experiments; Radiological Warfare; Department of Defense (DOD): Defense Nuclear Agency.

**DOD-081994-B** 1 folder; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RECC. *Contents Description:* Records From office of the Secretary of Defense, Assistant Secretary of Defense (Health & Medical), Experiment Reports From Army Chemical Corps., & Published Literature cited in final contract report for the Army From Medical College of Virginia. *Descriptors:* Agency Histories; Experiments; Radiological Warfare; Carroll Wilson; Army (DOD/USA); Department of Defense (DOD).

**DOD-082294-A** 2 folders; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Defense Nuclear Agency (DNA). *Contents Description:* Documents submitted by DNA, Includes: NTPR accidental test exposure, Intravenous Strontium-85 In humans, Studies in burns, Univ. of Cincinnati, Univ. of South Carolina, Lovelace Foundation, AFSWP Panel on Radiological Instruments, Joint Panel On Medical Aspects of Atomic Warfare, Project Listing, DASA Agency Histories regarding Biomedical/Radiation. *Descriptors:* Agency Histories; Radiological Warfare; Total Body Irradiation; Department of Defense (DOD); Department of Defense (DOD): Defense Nuclear Agency.

**DOD-082294-B** 6 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection;* Department of the Army. *Contents Description:* Memorandums regarding use of human volunteers in experimental research and biological warfare research.. *Descriptors:* Agency Histories; Biological Effects; Human Subjects; Volunteers; Department of Defense (DOD); Army (DOD/USA).

**DOD-082394-A** 31 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Documents from the Air Force Medical Operations Agency, Office of Surgeon General. Summary provided by Col. Merritt. For full inventory see Accession Contents. *Descriptors:* Experiments; Radiological Warfare; Volunteers; Atomic Energy Commission (AEC); Department of Defense (DOD); Air Force (DOD/USAF).

**DOD-082694-A** 2 folders; 0.06 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RECC. *Contents Description:* 5 Published Articles that reference Department of the Army Contracts & the articles themselves. 79 Documents From the DNA. Department of the Army's Updated List of the CIRS Database. *Descriptors:* Total Body Irradiation; Guidelines/Regulations; Biological Effects; Ethics; Cincinnati Experiments; Eugene Saenger; Department of Defense (DOD): Armed Forces

Radiobiology Research Institute (AFRRI); Department of Defense (DOD): Defense Nuclear Agency; Department of Defense (DOD): Defense Atomic Support Agency (DASA).

**DOD-083094-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* Gordon K. Soper (Department of Defense). *Contents Description:* Documents From Air Force Medical Operations Agency, Office of Surgeon General. *Descriptors:* Cincinnati Experiments; Green Run; Plutonium Injections; Ethical Guidelines; Department of Defense (DOD); Department of Defense (DOD): Office of the Secretary of Defense; Air Force (DOD/USAF); Army (DOD/USA).

**DOD-083094-B** 16 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* 0124-0145. *Contents Description:* Documents from Air Force Medical Operations Agency, Office of the Surgeon General. *Descriptors:* Consent; Experiments; Department of Defense (DOD); Air Force (DOD/USAF).

**DOD-090194-A** 1 document; 0.5 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* A bibliogrpahy of Reynolds Electrical & Engineering Co., Human radiation Experiments. (Computer Printout, Legal Sized). *Descriptors:* Agency Histories; Experiments; Department of Defense (DOD).

**DOD-090294-A** 1 folder; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* REEC. *Contents Description:* 44- Air Force Documents, Department of Defense Directives No.s 1953 - 1991, Article: Experimental Release of 131I: The Green Run". *Descriptors:* Green Run; Department of Defense (DOD); Air Force (DOD/USAF).

**DOD-090994-A** 3 documents; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* 1. Letter From Joseph V. Osterman In the Office of the Director of Defense Research & Engineering to ACHRE Staff. Forward letter explaining content of material. 2. Intra/Extramural Budget Tables & Explanations for FY 93. *Descriptors:* Agency Histories; Guidelines/Regulations; Records; Department of Defense (DOD).

**DOD-090994-B** 8 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Documents from the Air Force Medical Operations Agency, Office of the Surgeon General (see accessions for more). *Descriptors:* Agency Histories; Biological Effects; Ethics; Experiments; Fallout; Fallout Countermeasures; Human Subjects; Military Activities; Nuclear Rockets; Occupational Health; Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Weapons Effectiveness; Weapons Research; Shields Warren; Atomic Energy Commission (AEC); Department of Defense (DOD); Los Alamos National Laboratory (DOE/LANL).

**DOD-090994-C** 2 boxes; 3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* REEC, HRE-351 through HRE-500. *Contents Description:* Documents From DNA, HRE-351 through HRE-500. Subjects regarding total body irradiation, biological effects, tracer, radiation injury, flash blindness, rad defense, operation Crossroads, Desert Rock, Knothole, Hardtack II, Physiological, Tumbler - Snapper, Upshot-Knothole, Dominic I, Castle, Green House, Roller Coaster, Rocherster, U.S. Veterans of Hiroshima & Nagasaki. . *Descriptors:* Biological Effects; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Total Body Irradiation.

**DOD-090994-D** 1 box; 1.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* REEC, HRE-226 Through HRE-350. *Contents Description:* DNA materials: subjects regarding DASA Circular 350-1, Many documents on animal testing, Justifications of Estimates for FY 78 OSD/OMB Submission, RDT&E Project Cards, AFRRI Instruction 51001A, Dr. Mobley's Assistance, total body irradiation, notes on DASA 2/60 Budget Hearings, documents on effects of human skin, General Orders 1-8, Joint Crossroads Committee Memoranda, directive for operation upshot/knothole, radiation history medical patient William Young, Armed Forces Special Weapons Project, Thermal Burns, Transfer of funds, orginizational charts & functional statements. *Descriptors:* Animal Experimentation; Biological Effects; Experiments; Meetings; Radiation--Ionizing; Total Body Irradiation; Department of Defense (DOD); Department of Defense (DOD): Armed Forces Special Weapons Project (ARSWP).

**DOD-091394-A** 1 box; 1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* DNA "Historical Reports". *Descriptors:* Agency Histories; Records; Defense Nuclear Agency (DOD/DNA).

**DOD-091494-A** 6 folders; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Department of the Navy, Navy Environmental Health Center Detachment. *Contents Description:* Supplemental Report of Human Radiation Experiments. Documents from the Navy Department. Articles on Beta Radiation Lesion of the Skin 1943-1968. Beta Radiation Lesion of the Skin Report - NMRI. *Descriptors:* Consent; Experiments; Psychological Effects; Volunteers; Department of Defense (DOD).

**DOD-091594-A** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Defense Research and Engineering. *Contents Description:* May 12, 1964 DOD Instruction # 503.29, signed by Harold Brown, Director of Defense Research and Engineering, explaining how the DOD was to implement new HEW regulations (21 CFR 130.3) concerning "investigational use of drugs.". (In an oral interview on Sept. 15, 1994, Dr. Saenger reported that, it was the receipt of this memo which led him to develop a written consent form for his own experiments.) *Descriptors:* Agency Histories; Guidelines/Regulations; Interagency Bodies; Occupational Guidelines; Research Ethics; Scientific Standards; Department of Defense (DOD).

**DOD-091694-A** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* OSD Historical Office, Health and Medical files. *Contents Description:* "..just declassified pages 151-58 of the 30 June 1951 Report of the Armed Forces Medical Policy Council to the Secretary of Defense. These pages deal with the policy on human radiation experiments..". *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing.

**DOD-091894-A** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Armed Forces Radiobiology Research Institute. *Contents Description:* Documents from the Armed Forces Radiobiology Research Institute, memo's, TBI, AFRRI, License amendments, Dosimetry. *Descriptors:* Agency Histories; Biological Effects; Guidelines/Regulations; Medical Records; Medical Therapies; Meetings; Total Body Irradiation; Shields Warren; Eugene Saenger; Department of Defense (DOD): Armed Forces Radiobiology Research Institute (AFRRI).

**DOD-091894-B** 1 box; 1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA documents. *Contents Description:* A collection of unclassified DNA documents pertaining to Operation "ROLLER COASTER," a master index is included with annotations.. *Descriptors:* Agency Histories; Fallout;.Weapons Effectiveness; Weapons Research; Department of Defense (DOD).

**DOD-092094-A** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Listing of Classified files that DOD believes might be of interest. *Descriptors:* Agency Histories; Records; Department of Defense (DOD).

**DOD-092294-A** 4 documents; 0.01 cu.ft. *Source:* Department of Defense, Department of the Navy, Naval Dosimetry Center. *Contents Description:* Correspondence describing the Bureau of Medicine and Surgery Supplemental Report of Human Radiation Experiments, for march through July. *Descriptors:* Agency Histories; Records; Department of Defense (DOD); Navy (DOD/USN).

**DOD-092294-B** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Department of the Air Force. *Contents Description:* A file search index by the USAF of collections at the National Archives in Washington DC and the WNRC, as of Sept. 22, 1994. *Descriptors:* Agency Histories; Records; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-092394-A** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Lyndon Baines Johnson Library. *Contents Description:* Documents from the Lydon Baines Johnson Library, circa 1964-1968. *Descriptors:* Agency Histories; Children; Fallout; Human Subjects; Meetings; Department of Defense (DOD).

**DOD-092394-B** 1 box; 2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* CVA 1.940920. *Contents Description:* Response to request relating to research proposal review project. Information on all human subjects experiments conducted in the past 3 years, which were carried out or funded by DOD. FY 93 Ionizing Radiation Studies - Institutional annual/program reports, (documents from the Committee on veterans affairs). Documents from Committee on Veterans Affairs. Documents were provided to Senator Jay Rockefeller, Chairman, Committee on Veterans Affairs In June 1994. *Descriptors:* Agency Histories; Experiments; Department of Defense (DOD).

**DOD-092394-C** 1 box; 1.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Defense Nuclear Agency. *Contents Description:* Defense Nuclear Agency, documents related to human radiation experiments 1946-1994. *Descriptors:* Agency Histories; Bikini Atoll; Biological Effects; Experiments; Human Subjects; Military Activities; Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Weapons Effectiveness; Weapons Research; Stafford Warren; Leslie Groves; Department of Defense (DOD); Defense Nuclear Agency (DOD/DNA).

**DOD-092394-D** 1 binder; 0.2 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* U. S. Army Medical Department Center and School. *Contents Description:* Detail Summary Sheets for 235 Clinical Investigations Protocols active during part of FY 93. These summaries come from eight Army Medical Centers: Brooke, Dwight D. Eisenhower, Fitzsimons , Madigan, Tripler, Womack, William, Walter Reed. These summaries are derived from the annual progress report completed by each Army Hospital conducting clinical investigations. *Descriptors:* Agency Histories; Records; Department of Defense (DOD).

*Sources and Documentation*

**DOD-092394-E** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Department of the Air Force, Surgeon General. *Collection:* Aviation Medical Center Histories. *Contents Description:* Excerpt describing Discoverer program, a satellite radiobiology program not involving human subjects. *Descriptors:* Agency Histories; Records; School of Aviation Medicine (DOD/USAF/SAM).

**DOD-092794-A** 2 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* 1. Report: "Idaho National Engineering Laboratory Historical Dose Evaluation, Volume 2: Appendices." Aug. 1991, USAF # 227, AIR2.940926.003. (This document lists intentional releases of ionizing radiation at the test site in Idaho) 2. Minutes dated 8/28/56, for the Research Council Meeting, Discussing Human and animal radiation experiments, budgets, and contract extensions. AIR2.940926.002, USAF # 192. (from the School of Aviation Medicine). *Descriptors:* Agency Histories; Experiments; Grants/Grantees; Intentional Releases; Nuclear Rockets; Plutonium Injections; Radiation--Ionizing; Department of Energy (DOE).

**DOD-092894-A** 31 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Dept. of the Airforce documents: Minutes of the School of Aviation Medicine Research Council Meetings, and trip reports to research facilities. Minutes of meetings at the Medical College of Virginia, Unversity of Rochester and Chicago and Texas, MIT, Yale, School of Aviation Medicine, M.D. Anderson, and trip reports from Col. Pickering. *Descriptors:* Animal Experimentation; Human Subjects; Meetings; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Scientific Data; Scientific Method; Total Body Irradiation; University Research; John Pickering; Department of Defense (DOD); University of Chicago: Metallurgical Laboratory.

**DOD-092994-A** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* From Army Medical Department Center and School, Report of Human radiation Research between 1944-1973. *Descriptors:*- Agency Histories; Experiments; Records; Department of Defense (DOD); Army (DOD/USA).

**DOD-100694-A** 1 box; 1.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA. *Contents Description:* DNA documents on animal studies, cloud sampling, Nevada Test Site, Non-Weapon radiation research programs, post-1976 programs, weapons tests, agency histories re: biomedical/ radiation and Radiation Warfare research and programs, Dugway releases, Ethics policy informed consent, Los Alamos releases, National Research Panels on Radiology and Atomic Casualties organization information. A full inventory will be added soon. *Descriptors:* Agency Histories; Atomic Tests; Biological Effects; Experiments; Human Subjects; Military Activities; Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Weapons Effectiveness; Weapons Research; Defense Nuclear Agency (DOD/DNA).

**DOD-100694-B** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Documents in regards to ACHRE Staff Request: AR-70-25 and "Article 16" - Re: Army Ethics Policy. *Descriptors:* Agency Histories; Ethics; Army (DOD/USA); Department of Defense (DOD).

**DOD-100794-A** 1 box; 1.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA. *Contents Description:* DNA documents listed by Category: Accident/Incident Training, Histories of Biomedical/Radiation and Radiation, Armed Forces Special Weapons Project , Warfare Research and Programs, Bikini Releases, Ethics Policy, Hiroshima Nagasaki Issues, Naval Research Defense Laboratory, Non-Weapons Other Radiation, Organization Information (org. chart, budget info, etc.) Research, Weapons Tests, Other Intentional Releases, 1975 IG Report and Referenced, R & D Coordination Groups, Documents, Radwarfare Experiments. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Biological Effects; Fallout; Fallout Countermeasures; Human Subjects; Intentional Releases; Military Activities; Nevada Test Site (Mercury Nevada); Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; Defense Nuclear Agency (DOD/DNA).

**DOD-101194-A** 1 box; 1.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.941007.001 - DNA1.941007.017. *Contents Description:* Defense Nuclear Agency (DNA) materials (1) Transmittal documents, (2) Weapons Tests (3) Agency Histories or Biomedical Radiation and Radiation Warfare Research Programs, (4) Other Intentional Releases. *Descriptors:* Agency Histories; Intentional Releases; Radiological Warfare; Weapons Effectiveness; Defense Nuclear Agency (DOD/DNA).

**DOD-101394-A** 1 document; 0.03 cu.ft. *Source:* Department of Defense, Department of the Army. *Contents Description:* Inventory of oral history interviews at the Army's Center for Military History and Military history Institute. Once Key Army officers are identified, this should be reviewed to see if they were ever interviewed. *Descriptors:* Agency Histories; Records; Interviews; Army (DOD/USA).

**DOD-101894-A** 3 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Dugway Proving Ground. *Contents Description:* Documents from the Dugway Proving Ground, in response to ACHRE request for information related to the construction of a Cobalt-60 (CO60) Radiation Test Field at Dugway. *Descriptors:* Agency Histories; Atomic Tests; Biological Effects; Experiments; Military Activities; Radiation--Ionizing; Releases of Radioactivity; Weapons Effectiveness; Weapons Research; Department of Defense (DOD).

**DOD-102094-A** 5 documents; 0.06 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA. *Contents Description:* Documents pertaining to ROLLERCOASTER intentional releases: DNA1.941017.002, DNA1.941017.003, DNA1.941017.004, DNA1.941017.005, DNA1.941017.006. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Experimental Methods; Experiments; Fallout; Intentional Releases; Military Activities; Monitoring; Nevada Test Site (Mercury Nevada); Radiation--Ionizing; Releases of Radioactivity; Research--Nontherapeutic; Scientific Data; Scientific Equipment; Scientific Method; Weapons Effectiveness; Weapons Research; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-102194-A** 10 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Office of the Secretary of Defense from RG 330 at the National Archives. *Contents Description:* Collection contains documents pertaining to the Basic Research Group, Committee on Medical Sciences, Organization Information, Armed Forces Medical Policy Council, Development and Issuance of the 1953 Wilson Memo, Ethics Policy, R and D Coordination Groups. (Legal Sized, RG 330: 1. Entry # 341 Box 362; 2. Entry # 371-381 Box 31; 3. Entry # 384.51-385 Box 35; 4. Entry # 385 box # 367; 5. Entry # 385 box # 365) *Descriptors:* Agency Histories; Biological Effects; Ethical Policies; Ethics; Experiments; Medical Ethics; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Research Ethics; Volunteers; Department of Defense (DOD); National Archives and Records Administration (NARA); Research and Development Board (DOD/RDB).

**DOD-102194-B** 5 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force Medical Operations Agency, Office of the Surgeon General. *Contents Description:* Table's of contents for "A History of the Air Force Energy Program 1943 - 1953." Contents for vols I - V are included they cover the following topics: I - Project Silverplate, 1943-1946. II - Foundations of an Atomic Air Force and Operation Sandstone, 1946-48. III - Building an Atomic Air Force, 1949-53. IV - The Development of Weapons. V - Atomic Weapon Delivery System (A Compilation of Studies). *Descriptors:* Agency Histories; Records; Department of Defense (DOD).

**DOD-102194-C** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force Medical Operations Agency, Office of the Surgeon General. *Contents Description:* Additional Flash Blindness Material: (1) Report: Byrnes, Victor A., "Operation Snapper Project 4.5 Flash Blindness Report to the Test Director. March 1953. (2) Report: By DNA, "Shots ABLE to Easy the First Five Tests of the BUSTER-JANGLE Series, 10/22/51 - 11/5/51," undated. (3) Report: By DNA, "Operation TUMBLER-SNAPPER 1952," undated. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Experiments; Human Subjects; Military Activities; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Records; Releases of Radioactivity; Research--Nontherapeutic; Scientific Data; Weapons Effectiveness; Weapons Research; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-102494-A** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Experiment: "The Effect of TBI on Immunology Tolerance of Bone Marrow and Homografts of Other Living Tissue," DA-49-146-XZ-032 contract number, from DASA, Report period Feb. 1, 1962 - Jan. 31, 1963. Also see BAY-101794-A. (Contractor Baylor University College of Medicine Houston, Texas.) *Descriptors:* Agency Histories; Biological Effects; Contracts/Contractors; Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Method; Total Body Irradiation; Baylor University; Defense Atomic Support Agency (DOD/DASA).

**DOD-102494-B** 2 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA general counsel's office. *Contents Description:* Documents relating to Vanderbilt University and contract no. AT(40-1)-2401, Isotope tracer studies. (1) Contract forms and related documents for 2/1/63 - 1/31/64: DNA 1.941019.001. (2) Contract forms and related documents for: "Establishment and Operation of Low Level Whole Body Counting Facility," principal investigators George R. Meneely and R.T. Lagemann, for FY 1958. *Descriptors:* Agency Histories; Contract Laboratories; Contracts/Contractors; Grants/Grantees; Total Body Irradiation; University Research; Vanderbilt University; Defense Nuclear Agency (DOD/DNA); Division of Biology and Medicine (AEC/DBM).

*Sources and Documentation*

**DOD-102594-A** 13 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Department of the Air Force, School of Aviation Medicine. *Collection:* Hanger 9 Brooks Air Force Base. *Contents Description:* Collection of documents retrieved from boxes donated by Col. Pickering to Hanger 9 at Brooks AFB, by Gwen Davis. Most of the material relates to studies done at M.D. Anderson Clinic, concerning TBI, nuclear powered airplane project, and radiation exposure. See Accession Contents for more. *Descriptors:* Agency Histories; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Medical Therapies; Military Activities; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Research--Nontherapeutic; Scientific Data; Scientific Equipment; Scientific Method; Total Body Irradiation; Training; Weapons Effectiveness; Weapons Research; John Pickering; School of Aviation Medicine (DOD/USAF/SAM); Department of Defense (DOD).

**DOD-102694-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Chronology of Department of Defense Radiation Experiments Command Center (RECC) activities through September 1994. *Descriptors:* Agency Histories; Department of Defense (DOD).

**DOD-102894-A** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Documents from Air Force Medical Operations Agency, Office of the Surgeon General. Includes GAO Testimony. Response to request for information of the early years NASA/USAF relationship. *Descriptors:* Agency Histories; Department of Defense (DOD).

**DOD-102894-B** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Documents from Air Force Medical Operations Agency, Office of the Surgeon General. Includes GAO Testimony. Response to request for information of the early years NASA/USAF relationship. *Descriptors:* Agency Histories; Department of Defense (DOD).

**DOD-102894-C** 1 folder; 0.02 cu.ft. *Source:* Department of Defense, Defense Nuclear Agency. *Contents Description:* Sample letters and enclosures sent to veterans and individuals who contact the Nuclear Test Personnel Review (NTPR) program in regards to compensation claims for radiation exposure; while serving in the military. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Experiments; Law & Legal Issues; Legislation; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-103094-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Agency Histories Regarding Biomedical/Radiation and Radiation Warfare Research and Programs. ARM1.91026.001: From Col. Shannon M. Harrison, Subject: Search For Radiation Reports & Publications, 10/26/94. *Descriptors:* Agency Histories; Records; Department of Defense (DOD).

**DOD-103194-A** 5 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA technical library and The National Archives. *Contents Description:* Collection of documents from the DNA concerning weapons tests and histories of DASA and AFSWP, also information on the Sandia Base. See contents description for more. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Guidelines/Regulations; Protection/Shielding; Radiological Warfare; Releases of Radioactivity; Training; Weapons Effectiveness; Weapons Research; Defense Atomic Support Agency (DOD/DASA); Department of Defense (DOD).

**DOD-103194-B** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Supplementary Material For the Advisory Committee: AIR1.941027. Detailed listing of the files searched by the Air Force Medical Operations Agency, Office of Surgeon General in Response to the Committees Request. *Descriptors:* Agency Histories; Department of Defense (DOD); Air Force (DOD/USAF).

**DOD-103194-C** 9 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Documents from Armed Forces Medical Intelligence Center. DIA1.941027.2 through DIA1.941027.9. *Descriptors:* Agency Histories; Records; Department of Defense (DOD).

**DOD-110294-A** 2 folders; 2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* HRE-836 - HRE-853, DNA1.941031.001a- DNA1.941031.014. *Contents Description:* This collection contains documents that fall under the general headings: Agency histories, ethics, Naval Research Defense Laboratory, Organization Information, R&D Coordination Groups, Radwarfare, and Research Guidelines and Procedures. Radwarfare documents are primarily reports that refer to the following operations: REDWING, WIGWAM, UPSHOT/KNOTHOLE, CROSSROADS, and ROLLER COASTER. See accession contents for a more detailed description. *Descriptors:* Agency Histories; Biological Effects; Guidelines/Regulations; Radiological Warfare; Weapons Effectiveness; Weapons Research; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-110394-A** 3 folders; 0.5 cu.ft. *Source:* Department of Defense, Department of the Navy. *Collection:* Navy Environmental Health Center Detachment Naval Dosimetry Center. *Contents Description:* Documents identified in a search by the Navy Environmental Health Center Detachment Naval Dosimetry Center. Also a collection of "Notice of Research Projects," where 1000 to 1200 projects are represented mostly AEC, PHS, VA, and about 40 Army, Navy and Air Force funded projects; dated the late 40's to late 50's. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Experiments; Human Subjects; Military Activities; Volunteers; Weapons Effectiveness; Weapons Research; Naval Medical Research Institute (DOD/USN/NMRI); Naval Radiological Defense Laboratory (DOD/USN/NRDL); Navy (DOD/USN); Atomic Energy Commission (AEC); Public Health Service (PHS); Air Force (DOD/USAF); Army (DOD/USA).

**DOD-110494-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* US Army Medical Dept. Center and School. *Contents Description:* Letter: from Colonel Shannon M. Harrison to Colonel Clyde [Claud] Bailey; Subject: Search for Radiation Reports and Publications. 10/26/94. *Descriptors:* Agency Histories; Records; Department of Defense (DOD); Army (DOD/USA).

**DOD-110494-B** 1 document; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.941103; from DTIC. *Contents Description:* Technical Report: Collins, Vincent P., M.D. Professor of Radiology; Title: "A Study of the Effects of Total and Partial Body Radiation on Iron Metabolism and Hematopiesis, Progress Report for Period 1 March 1957 to 1 September 1957. " from the DTIC. Dept. of the Army contract no. DA-49-007-MD-428. RECC Doc. no. ARM1.941103.001. *Descriptors:* Agency Histories; Experimental Methods; Experiments; Total Body Irradiation; University Research.

**DOD-110494-C** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Statement Excerpt: DNA1.940928.010, 3/4/75, Titled "Statement of Lieutenant General Warren D. Johnson, Director, DNA, Before Defense Subcommittee of the Committee on Appropriations United States Senate FY76 and FY71." Contains a table labeled RDT&E Program. (Deposit Correspondence declares this as a supplement of an earlier accession.) *Descriptors:* Agency Histories; Records; Defense Nuclear Agency (DOD/DNA).

**DOD-110894-A** 7 documents; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR2.941104; USAF School of Aviation Medicine, box 34256-A-4146 (06-17-42-6-5) stored at the St. Louis, MO National Records Center. *Contents Description:* Documents from the School of Aviation Medicine for the years of 1954-55: trip reports, research Council Minutes, Gunter Branch-SAM, Weekly Activity Report, and Contract Information for 1954. (USAF numbers 290-296) *Descriptors:* Agency Histories; Biological Effects; Contracts/Contractors; Experimental Methods; Experiments; Grants/Grantees; Guidelines/Regulations; Human Subjects; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Research--Nontherapeutic; Research--Therapeutic; Scientific Data; Scientific Method; Total Body Irradiation; University Research; Weapons Effectiveness; Weapons Research; John Pickering; Air Force (DOD/USAF); Department of Defense (DOD); School of Aviation Medicine (DOD/USAF/SAM).

**DOD-110994-A** 4 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force Office of Scientific Research and from the Uniformed Services University. *Contents Description:* 1. Task Summary: Abstracts of Proposals Involving Human Subjects in Fiscal Year 93, AIR1.941104.001b, 11/4/94, from the Air Force Office of Scientific Research. 2. Memo 11/4/94: from William L. Daniels to Capt. John F. Jemionek, USN, re: response to Joseph V. Osterman, Director, Environmental and Life Sciences, regarding human subject research potentially involving military personnel or veterans conducted at or through USUHS in fiscal year 1993. USU1.941104.001b 3. Project List 11/4/94: List of Protocols, Study Titles, and Principal Investigators, USU1.941104.001c 4. Memo 9/8/94: from James A. Zimble to Director, Defense Research and Engineering; re: Advisory Committee on Human Radiation Experiments - Request for Information. USU1.941104.001d. *Descriptors:* Agency Histories; Records; Department of Defense (DOD); Air Force (DOD/USAF).

**DOD-110994-B** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR2.941108. *Contents Description:* -USAF doc # 297, RECC # AIR2.941108.002, Course Outline: dated 1953, titled "Sampler Pilots Instruction Course on Basic Mathematics, Basic Physics, and Effects of Nuclear Weapons." This document was given to Col. Gerald J. Merritt during an interview with a cloud sampling pilot. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Guidelines/Regulations; Training; Interviews; Department of Defense (DOD); Air Force (DOD/USAF).

**DOD-110994-C** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Air Force Regulation 80-22 for 1952, 1956, and 1960.

*Descriptors:* Agency Histories; Guidelines/Regulations; Medical Ethics; Air Force (DOD/USAF); Research and Development Board (DOD/RDB).

**DOD-110994-D** 1 document; 0.04 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* USAF Oral History Interview of Major General Richard L. Meiling, 25 - 28 October 1982. *Descriptors:* Agency Histories; Nuremberg Codes/Trials; Interviews; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-111094-A** 11 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.941108. *Contents Description:* Documents relating to an AFSWP experiment called "Short Lived Nuclides in the Food Chain and Man," also correspondence with New York University, and reports by the AFRRI and MENW. *Descriptors:* Agency Histories; Biological Effects; Experiments; Military Activities; Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Research--Nontherapeutic; Vulnerable Populations; Weapons Research; Air Force (DOD/USAF); Armed Forces Radiobiology Research Institute (DOD/DNA/AFRRI); Armed Forces Special Weapons Project (DOD/AFSWP); Defense Nuclear Agency (DOD/DNA); New York University.

**DOD-111594-A** 31 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* OSD1.941104, Washington National Records Center. *Contents Description:* Documents from DASA, the FRC, and Congressional Committees covering a wide range of topics: hazards for Uranium Miners, hearings on fallout from nuclear weapons tests, listing of DASA contracts, and various documents concerned with the organization of the Federal Radiation Commission are all contained in this collection which selectively spans the years of 1950-67. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Contracts/Contractors; Experimental Methods; Experiments; Fallout; Grants/Grantees; Guidelines/Regulations; Human Subjects; Meetings; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Research--Therapeutic; Uranium Mining/Miners/Milling; Weapons Effectiveness; Weapons Research; Congress; Defense Atomic Support Agency (DOD/DASA).

**DOD-111694-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* History Office of Phillips Library. *Contents Description:* USAF Group Regulation 160-2, by Jack E. Wormington, "Control of Radiological Health Hazards Resulting from Nuclear Test Support Activities." Headquarters, 4950th test Group (Nuclear) Kirtland Air Force Base, New Mexico, 5/15/59, USAF doc. # 302. Outlines procedure for contamination control, responsibilities of the commanders, and maximum permissible exposures. *Descriptors:* Agency Histories; Guidelines/Regulations; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-111794-A** 30 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Washington National Records Center. *Contents Description:* Contains documents from the Washington National Records Center. *Descriptors:* No descriptors.

**DOD-111894-A** 30 documents; 0.4 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.941116. *Contents Description:* A collection from the Washington National Records Center, with documents from the Army, Secretary of Defense, AEC, and DASA. Some budget and research funding information for FY 1960, 1962 and 1965 for the DOD, also memos concerning the establishment of Medical Services, and documents related to radiation exposure guidelines. *Descriptors:* Contracts/Contractors; Experiments; Fallout; Federal Laboratories; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Total Body Irradiation; University Research; Uranium Mining/Miners/Milling; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Defense Atomic Support Agency (DOD/DASA); Naval Radiological Defense Laboratory (DOD/USN/NRDL); Secretary of Defense--See Office of the.

**DOD-111994-A** 18 documents; 0.04 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.941117; DNA. *Contents Description:* 1. Letter from Carl R. Gray Jr. to General Loper; re: There is a requirement for a policy in connection with exposure in isotope laboratories, atomic tests, sunshine, and UK experiments. 12/2/52, DNA1.941117.003 2. Collection of documents relating to former Marine Stg. Torres 3. Letter form W.F. Libby, Commissioner to General Loper; Subject: Radiation Hazards resulting from atomic detonations. 2/27/59 DNA1.921117.002 4. DNA Document Request, DNA1.941117.004. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Radiation--Ionizing; Armed Forces Radiobiology Research Institute (DOD/DNA/AFRRI); Defense Nuclear Agency (DOD/DNA); Navy (DOD/USN).

**DOD-112194-A** 28 documents; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* OSD1.941111; Washington National Records Center. *Contents Description:*

Documents relating to the Office of the Secretary of Defense Medical Research and Development program, including documents regarding the Committee on Medical Sciences. (See Accession Contents for more) *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Cloud Sampling; Contracts/Contractors; Experiments; Fallout; Human Subjects; Marshall Islands; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiological Warfare; Research--Therapeutic; University Research; Weapons Effectiveness; Weapons Research; Defense Atomic Support Agency (DOD/DASA); Joint Panel on Medical Aspects of Atomic Warfare (DOD); Navy (DOD/USN); Office of Naval Research (DOD/USN/ONR).

**DOD-112994-A** 18 documents; 0.07 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.941121. *Contents Description:* Documents from RG # 112 Army Surgeon General's Records accession # 54A-64 box 3-4, 73-22 box 3, and 73-14 box 2. Regarding minutes from the National Research Council Division of Medical Sciences on 11/27/50 and on 2/21/50 the 11th meeting of Committee on Atomic Casualties (a part of the NRC). Correspondence concerning the development of an organization for research in biology and medicine in the atomic energy commission, dated during 1947. Also a charter dated 10/25/50 for the Armed Services Medical Regulating Office, is inclosed along with documents pertaining to a "H.J. Res 453, 9st Congress, a joint resolution 'To Provide for a study and evaluation of scientific research in medicine in the United States,'" from the Army. *Descriptors:* Intentional Releases; Meetings; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Radiological Warfare; University Research; Weapons Effectiveness; Weapons Research; David E. Lilienthal; Stafford Warren; Shields Warren; George Lyon; Advisory Committee on Biology and Medicine (AEC/ACBM); Army (DOD/USA); Atomic Energy Commission (AEC); National Research Council (NAS/NRC).

**DOD-112994-B** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Chronology of RECC search activities for October 1994. *Descriptors:* Agency Histories; Records; Department of Defense (DOD).

**DOD-113094-A** 3 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Dugway Proving Grounds. *Contents Description:* Three documents from the Dugway Proving Ground relating to the Air Force report "Fission Products Field Release, Test II," dated September 1960. Dealing with airborne dispersal of fallout from radiological warfare and the possible crash or meltdown of a nuclear powered aircraft. 1. Susi, Peter V. and Klement, Alfred W., Jr. Special Report: An Evaluation of the Airborne Hazard Associated with Radiological Warfare Tests at Dugway Proving Ground. Chemical Corps Chemical and Radiological Laboratories, Army Chemical Center, Maryland, 27 May 1953. Project 4-12-85-003. DPG1.941121.001 2. Fission Product Dispersal Experiment, Series II, Experiment Design. Convair a Division of General Dynamics Corporation, Fort Worth, Texas, May 6, 1959. FZM-1802. DPG1.941121.002 3. Fission Products Field Release Test II. for AFSWP, Kirtland AFB, New Mexico. by USAF Nuclear Aircraft Research Facility operated by Convair A Division of General Dynamics Corporation, Fort Worth, Texas, September 1960. DPG1.941121.003. (Updated) *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Fallout; Fallout Countermeasures; Intentional Releases; Military Activities; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Chemical Corps (DOD/USA/CC). **DOD-113094-B** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* A copy of RECC library holdings in ASCII format, The field names are flush left, and each record is terminated by a dollar sign. *Descriptors:* Records; Department of Defense (DOD).

**DOD-113094-C** 3 diskettes ; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Three diskettes containing the DNA database of Human Radiation Experiment documents, dated 10/31/94. (Must have Q&A and windows 4.0 to run.) *Descriptors:* Records; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-120194-A** 41 documents; 1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Surgeon General's Records. *Contents Description:* Documents from the National Research Center regarding the National Research Council and Surgeon General's Records. Chemical Corps material dated during World War II from camp Detrick and contract and report documents on the Oklahoma State Penitentiary experiment, Toxicity and Tolerance Studies of Anti-Radiation Compounds in Healthy Male Volunteers." Also, Walter Reed sponsored reports on radiotracer analysis and intravenous toxicity. See accession contents for more. *Descriptors:* Biological Effects; Contract Laboratories; Contracts/Contractors; Experimental Methods; Experiments; Grants/Grantees; Guidelines/Regulations; Human Subjects; Radiation--Ionizing; Scientific Data; Volunteers; Chemical Corps (DOD/USA/CC); Walter Reed Army Institute of Research (DOD/USA).

**DOD-120294-A** 1 document; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Los Alamos National Personnel. *Contents Description:* Report: Coroniti, Samuel C. "Report on the Atmospheric Electical Conductivity Tests Conducted in Vicinity of Los Alamos, Scientific

Laboratories, New Mexico." Atmospheric Physics Laboratory Geophysical Research Directorate Air Force Cambridge Research Laboratories. 5/26/50. Entire Accession Reviewed. *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Los Alamos National Laboratory (DOE/LANL).

**DOD-120694-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Records of the Surgeon General. *Contents Description:* All documents come from NARA RG # 112 at the Washington National Record Center, Records of the Surgeon General: -67A-4813 box # 35: Four documents on the use of Human Volunteers in DOD related experiments. -56A-0174: One memo titled "A Study of the Primary and Secondary Medical Aspects of Human Casualties Secondary to the Use of Radiological Warfare on a Large Population Center," dated 12/7/48. -67A-4813 box # 36: over sixty letters, memo's, reports, and contracts regarding Flashblindness in all aspects. (Documents requested by ACHRE staff member Jim David.) *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Contract Laboratories; Contracts/Contractors; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Medical Therapies; Military Activities; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Voluntariness; Volunteers; Defense Atomic Support Agency (DOD/DASA); Army (DOD/USA); Office of the Surgeon General (PHS/OSG); University of California - Los Angeles (UCLA).

**DOD-120794-A** 22 documents; 1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* This collection encompasses documents from the USMC, USN, and Army. The effects of Atomic explosions on equipment and personnel. Agency Histories for DASA 1/1/70-6/30/70 and first history of AFSWP 1947-1954 vol. 5 - 1952 chapter 3 - HQ and Index. Documents refer to operations JANGLE, DESERT ROCK, and SNAPPER. Also regulations for the use of human volunteers in the Department of the Army dated Mar of 62 and July of 74. (DASIAC Database catalog of films pertaining to nuclear weapons and related subjects.) *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Experimental Methods; Experiments; Fallout; Human Subjects; Military Activities; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Scientific Data; Voluntariness; Volunteers; Weapons Effectiveness; Weapons Research; Air Force Special Weapons Center (AFSWC/USAF); Army (DOD/USA); Navy (DOD/USN); Defense Atomic Support Agency (DOD/DASA); Defense Nuclear Agency (DOD/DNA).

**DOD-120894-A** 2 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force Intelligence. *Contents Description:* Two memo's regarding the long range detection of atomic explosions. The first from Dwight D. Eisenhower dated 9/16/47 for the Commanding General, Army Air Forces, re: ordering the Army Air Force to be responsible for the detection of any atomic explosion anywhere in the world. The second is from the Mott S. Vandonberg to Chief of Special Weapons Group, 11/14/47, re: charging the Special Weapons Group with long range detection. *Descriptors:* Guidelines/Regulations; Long Range Detection; Military Activities; Radiation--Ionizing; Radiological Warfare; Air Force (DOD/USAF); War Department (War).

**DOD-121294-A** 12 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* St. Louis National Records Center. *Contents Description:* Documents from the School of Aviation Medicine that regard contract information for P32 Uptake in the Bone Marrow, Baylor University contracts, Trip reports, and contract information for Northwestern University. (USAF # 310-324) *Descriptors:* Experimental Methods; Experiments; Human Subjects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Research--Therapeutic; Suppression of Uptake of Radioisotopes; John Pickering; Air Force (DOD/USAF); School of Aviation Medicine (DOD/USAF/SAM).

**DOD-121294-B** 12 documents; 0.09 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Washington National Records Center, Army Surgeon General's Records, RG # 112, 69-2606, 73-0028. *Contents Description:* More Army Surgeon General's Records, the first batch is derived from the JAG corp files on Gastric Freezing and consent and refusal of medical care. The other addresses volunteers and R&D Administrative Files. *Descriptors:* Human Subjects; Voluntariness; Volunteers; Defense Atomic Support Agency (DOD/DASA); Department of Defense (DOD); Public Health Service (PHS).

**DOD-121294-C** 4 documents; 0.05 cu.ft. *Source:* Department of Defense, Department of the Navy, Bureau of Medicine and Surgery. *Collection:* USN Bureau of Medicine and Surgery. *Contents Description:* Contents and excerpts of "Annual Report of Surgeon General United States Navy," for FY 1951,53,56,58,59. And an excerpt form an interview with RADM Robert Conard, MC, USNR (Ret.) in Setauket, NY, 11/9/93, conducted by Jan K. Herman, Historian, Bureau of Medicine and Surgery. *Descriptors:* Atomic Tests; Experiments; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Interviews; Navy (DOD/USN).

**DOD-121294-D** 3 diskettes *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Defense Nuclear Agency. *Contents Description:* Three diskettes containing the DNA database of Human Radiation Experiment documents, dated 11/18/94. DOD accession numbers DNA1.941118.002,

DNA1.941118.003, DNA1.941118.004. *Descriptors:* Records; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-121494-A** 1 folder; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* OSD1.941207. *Contents Description:* Documents were collected From RG-330, the Office of Secretary of Defense. *Descriptors:* Records; Army (DOD/USA); Department of Defense (DOD).

**DOD-121494-B** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DPG1.941121.001b. *Contents Description:* Document # DPG1.941121.001b in response to request 120794-K. Subject title: An Evaluation of the Airborne Hazard Associated with Radiological Warfare tests at Dugway Proving Ground. 31 pgs. *Descriptors:* Radiological Warfare; Records; Air Force (DOD/USAF).

**DOD-121494-C** 1 document; 0.1 cu.ft. *Source:* Gordon K. Soper (Department of Defense). *Contents Description:* The Green Run report "Dissolving of Twenty Day Metal at Hanford" By the Development Divisions of General Electric Nucleonics Department, Hanford Works Richland, Washington. May 1, 1950. (Final Report, Chapter 7, Cite #10) *Descriptors:* Biological Effects; Experimental Methods; Experiments; Fallout; Green Run; Intentional Releases; Radiation--Ionizing; Citations; General Electric Co.: Biology Laboratory; Hanford Site (Richland Washington).

**DOD-121994-A** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC chronology for November of 1994. *Descriptors:* Records; Department of Defense (DOD).

**DOD-121994-B** 8 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Office of the surgeon general. *Contents Description:* This document collection contains short biographies, immigration status forms, and newspaper clippings pertaining to German aerospace scientists who worked at Brooks Airforce Base during the late 40's and early 60's and were a part of a roject known as "Paperclip." Some of the more prominent scientist featured are Hubertus Strughold, Hans-Georg Clamann, and Ernst A. Steinhoff. (USAF # 392 - 399) *Descriptors:* Records; Recruitment; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF).

**DOD-121994-C** 1 box; 2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force Medical Operations Agency. *Contents Description:* This collection represents the bulk of the pre-1975 experiments conducted by the Air Force that involve radiation and human subjects. Many of the documents are duplicates and were sent to ACHRE previously. For a more detailed listing see Accession Contents . *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Consent; Consent Forms; Ethics; Experimental Equipment; Experimental Methods; Experiments; Fallout; Federal Laboratories; Human Subjects; Medical Therapies; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Scientific Data; Scientific Method; Suppression of Uptake of Radioisotopes; Total Body Irradiation; John Pickering; Air Force (DOD/USAF); Department of Defense (DOD); M. D. Anderson Hospital (Houston Texas); School of Aviation Medicine (DOD/USAF/SAM); Wright Patterson Medical Center.

**DOD-122294-A** 18 documents; 0.2 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Collection of documents concerning Nasopharyngeal Irradiation. Includes memo's from the Senate, Congress, personal testimony, and journal articles on the subject. *Descriptors:* Consent; Experimental Methods; Experiments; Human Subjects; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Method; Congress; Department of Defense (DOD); Navy (DOD/USN).

**DOD-122294-B** 5 documents; 0.04 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Office of Surgeon General. *Contents Description:* Unclassified Office of the Surgeon General files regarding an experiment at Camp McCoy USMA, another experiment at Fitzsimons General Hospital, and a report titled "Request for Approval for Human use of Radioisotopes in Tracer Amounts in Volunteer Experimental Research Subjects," dated 12/19/63, by U.S. Army Medical Research and Nutrition Laboratory Denver, Colorado. *Descriptors:* Experiments; Fallout; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Voluntariness; Volunteers; Weapons Effectiveness; Weapons Research; Office of the Surgeon General (PHS/OSG).

**DOD-122294-C** 1 folder; 0.05 cu.ft. *Source:* Department of Defense, Department of the Navy, Naval Dosimetry Center. *Collection:* Naval Dosimetry Center Navy Environmental Health Center Detachment Bethesda, Maryland. *Contents Description:* A report from Capt. George describing the Navy's efforts in reconstructing data on the nasopharyngeal radiation treatment of submariners during the late 30's to early 40's. The data includes dosimetery reconstruction's along with excerpts from journal articles concerning radiation induced brain cancers (a bibliography of related journal articles is included). *Descriptors:* Dose Reconstruction; Experimental Methods; Experiments; Radiation--Ionizing; Research --Therapeutic; Navy (DOD/USN).

*Sources and Documentation*

**DOD-122294-D** 13 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Dugway Proving Ground. *Contents Description:* Post WWII Radwarfare testing documents released from Dugway Proving Ground. The collection is comprised of reports that relate to radiation based experiments, from the use of radioactive tracers to measure mustard gas leaks to the development of a mobile ion exchange vehicle to purify irradiated water. There exists some information on possible exposures of personnel during experiments but the documents concentrate primarily on the equipment and procedures. *Descriptors:* Animal Experimentation; Atomic Tests; Biological Effects; Experimental Methods; Experiments; Fallout; Military Activities; Occupational Health; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Research--Therapeutic; Scientific Data; Scientific Equipment; Total Body Irradiation; Weapons Effectiveness; Weapons Research; Army (DOD/USA); Dugway Proving Ground (DOD/DPG).

**DOD-122394-A** 24 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA. *Contents Description:* Primarily rad-warfare documents, discussing effects of different shots and overexposures in the early 50's late 40's. The shots relate to UPSHOT-KNOTHOLE, CROSSROADS, REDWING, TUMBLER-SNAPPER, HARDTACK, and effects of Nagasaki and Hiroshima on humans. There is a draft history of the evolution of the Los Alamos Project dated September 1, 1946. Documents relating to cloud sampling collected and organized by the GAO in 1987. Also a report concerning a test shot called Cabroliet and another called Palanquin, that tested earth movement in 1965. Also document relating to a meeting of the Panel on Biological and Medical Aspects of Radiological Warfare for the Joint NME-AEC Panel on Radiological Warfare, 1/10/49. Finally a report on the psychological impact of an atomic detonation, dated 4/18/62. This is a rather eclectic collection of documents that the accession contents can better detail. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Cloud Sampling; Experimental Equipment; Experimental Methods; Experiments; Fallout; Human Subjects; Medical Diagnosis; Medical Therapies; Military Activities; Occupational Guidelines; Occupational Health; Protection/Shielding; Psychological Effects; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Research--Nontherapeutic; Scientific Data; Scientific Method; Total Body Irradiation; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Defense Atomic Support Agency (DOD/DASA); Defense Nuclear Agency (DOD/DNA).

**DOD-122394-B** 2 binders; 0.4 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Army. *Contents Description:* Two - volume report that summarizes the Army's search strategy in compliance with initial guidance from DOD. Includes computer records search for clinical investigat ion with the use of radiation and documents sent from the following Army clinics: Brooke, Dwight D. Eisenhower, Fitzsimons, Army Medical Dept. and School, Madigan Army Medical Center for 1944 -1979, Triplers, William Beaumont, Womack, Army Medical Dept. Activity, and Walter Reed. Also army regulations 40-7 re: Use of Investigational Drugs and Devices in Human and the use of Schedule I Controlled Drug Substances, 1/4/91 and 40 - 38 re: Clinical Investigation Program. *Descriptors:* Guidelines/Regulations; Records; Army (DOD/USA); Walter Reed Army Medical Center (DOD/USA/WRAMC).

**DOD-122794-A** 2 folders; 1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* National Archives Pacific Sierra Region, San Bruno, CA. 94066. *Contents Description:* Collection is derived from the National Archives Pacific Sierra Region, contains documents related to the Dept. of the Navy. Included are minutes for the NRC Committee on Nuclear Science for the late 40's to early 50's, along with minutes from several subcommittee's. Also, protocols for experiments at Sloan-Kettering Institute from the 50's, and various other Navy related experimental medical research projects from the 50's. *Descriptors:* Animal Experimentation; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; Joseph Hamilton; Shields Warren; National Academy of Sciences (NAS); National Research Council (NAS/NRC); Navy (DOD/USN); Sloan-Kettering Institute; University of California - Berkeley (UCB); University of Rochester: Strong Memorial Hospital.

**DOD-122794-B** 1 folder; 0.4 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.941220. *Contents Description:* Documents from DNA. Mentions Operation Roller Coaster, Ad Hoc Working Group, Operation Upshot-Knothole. Also mentions UK participation in Operation Roller Coaster. *Descriptors:* Weapons Research; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-122894-A** 1 folder; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.941205. *Contents Description:* Documents from DNA. Response to request 111494-A. Mentions: Support for Canadian Unit, Desert Rock V, Upshot-Knothole, Dugway Proving Ground, Catalog Classified Motion Picture Films on Atomic Energy Subjects, and also Wishbone Event. *Descriptors:* Cloud Sampling; Weapons Research; Department of Defense (DOD).

**DOD-010395-A** 1 box; 1.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.941209 WNRC. *Contents Description:* Response to Request 102594-A. Washington National Records Center Collection. Includes Project Cards On: Ionizing Radiation Injury, Prevention & Treatment, Biological Medical Aspects, Radiation & Thermal Burns. Correspondence Includes Preservation of Food, Irradiated Food. Minutes Includes Committee On Radiation Preservation Of Food. Committee On Radiation Sterilization of Food. *Descriptors:* Radiation--Ionizing; Records; Department of Energy (DOE).

**DOD-010395-B** 1 folder; 0.5 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.941130.002 - 92. *Contents Description:* More documents concerning Air Force Pre-1975 experiments. (See Accession contents for a document by document inventory.) *Descriptors:* Experimental Methods; Experiments; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-010395-C** 7 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.941227, WNRC and NARA. *Contents Description:* Three DASA/DNA film catalogues of atomic testing from 1961, 67, and 81. Also two memos concerning the joint UK - US participation during operation Crossroads. Set of memo's and contracts regarding the need for more research with Japanese bomb causalities, and a last set regards radwarfare with a report on the subject by Joseph Hamilton from Dec. of 46. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; Joseph Hamilton; Defense Atomic Support Agency (DOD/DASA); Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD); Joint Research and Development Board (JRDB); Navy (DOD/USN).

**DOD-010695-A** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC Library data: Records created during November and December 1994. *Descriptors:* Records; Department of Defense (DOD).

**DOD-010695-B** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Defense Nuclear Agency. *Contents Description:* Defense Nuclear Agency's Human Radiation Experiment Archival Data Base in (1) tab delimited and (2) return delimited formats. DOD Accession Numbers DNA1.940106.001a and DNA1.940105.001b. *Descriptors:* Records; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-011095-A** 6 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DRE1.950103. *Contents Description:* Contains DOD (Office of the Director of Defense Research and Engineering) answers to a set of questions posed by ACHRE staff concerning use of human subjects in research. Included also are 4 documents pertaining to the use of Pyridostigmine which was used as a Nerve Agent Pretreatment during operation Desert Shield/Storm. (Fulfills ACHRE request 112994-A) *Descriptors:* Biological Effects; Consent; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; Department of Defense (DOD).

**DOD-011295-A** 19 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force. *Contents Description:* After a review of records at the Suitland FRC the Air Force discovered an experiment performed by the School of Aerospace Medicine entitled "Control of Secondary Syndrome Following Whole-Body Irradiation Treatment with Bone Marrow." Conducted in Paris France during 1964-68, which involved the total-body irradiation of leukemia patients. Also included a list of original AF Pre-1975 experiments. *Descriptors:* Experiments; Guidelines/Regulations; Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Air Force (DOD/USAF).

**DOD-011595-A** 3 documents; 0.03 cu.ft. *Source:* Dan Brown (Department of Defense). *Collection:* Air Force. *Contents Description:* 1. 9/16/47 memo form General Eisenhower, giving the Army Air Forces the mission of Long Range detection of nuclear explosions. 2. Table of records searched by the Air Force. 3. Booklet on history of research and development in the Air Force. *Descriptors:* Atomic Tests; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Long Range Detection; Weapons Research; Air Force (DOD/USAF).

**DOD-012095-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC chronology for November 1994. *Descriptors:* Department of Defense (DOD).

**DOD-012295-A** 32 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950103 RG 112 of WNRC accession # 69-127 and 73-14. *Contents Description:* Documents from RG 112 accession 69-127 Boxes #5 and #6 have JAG legal files on "Human Volunteers (1958-1965)" and "Medical Treatment - Consent to - Refusal of (1944-1965)" and accession 73-14 Box #1 has various legal files on consent. *Descriptors:* Consent; Consent--Written; Consent Forms; Experiments; Voluntariness; Volunteers; Department of Defense (DOD); Army (DOD/USA).

*Sources and Documentation*

**DOD-012395-A** 2 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950113. *Contents Description:* Forwarding of classified material undergoing DNA classification review. RG374-18 Records Pulled from NARA. *Descriptors:* Classified Research; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-012395-B** 2 documents; 0.04 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC, DNA1.950119, HRE # 946-947. *Contents Description:* 1. Report: P. Harris, C. Jordan, C. Lowery, A. Nelson, S. Obermiller. S.E. Weary; Title: Summary of Radiological Safety Standards, Dosimetric Devices, and Decontamination Criteria for the Atomospheric Nuclear Weapons Tests (1945-1962). 2. Appedix/Attachments ACHRE Request 122794-Z, Appendic A: Some priority radiation warfare and atomic tests documents. Includes letter from Timothy K. Kemminger to Major Michael Rooney. *Descriptors:* Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiological Warfare; Defense Nuclear Agency (DOD/DNA).

**DOD-012595-A** 1 document; *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Department of the Army, Army regulation AR-200, "Medical Service: General Administration of Medical Treatment Facilities." 6/25/55. *Descriptors:* Guidelines/Regulations; Army (DOD/USA).

**DOD-012695-A** 11 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force search of the School of Aerospace Medicine, Suitland Records Center. *Contents Description:* More material from the Air Force search of the Suitland Archives, re: Flashblindness related documents from the late 60's early 70's. *Descriptors:* Atomic Tests; Consent; Experimental Equipment; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Informed Consent; Military Activities; Research--Nontherapeutic; Volunteers; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF).

**DOD-012695-B** 1 document; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force, AIR4.950109. *Contents Description:* Report: National Bureau of Standards Report of Test, "Results of Electron Dosimetry Uniformity Study of April 1968, Report of the Participants." 6/3/68. the subject study purpose was to develop and implement techniques for measuring radiation doses and depth dose distribution resulting from exposure to ionizing radiation. *Descriptors:* Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF).

**DOD-012695-C** 4 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force . *Contents Description:* Minutes and reports of a joint USAF and NASA committee known as The Ad Hoc Committee on Electron Therapy. (See accession contents for more) *Descriptors:* Meetings; Shields Warren; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF); New England Deaconess Hospital.

**DOD-012695-D** 1 document; 0.07 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* USAF search of WNRC, AIR3.950109. *Contents Description:* Memo's and reports concerning NASA/USAF collaborative efforts, re: interangency comparision of Cross Calibration of Dosimetry techniques. *Descriptors:* Experiments; Interagency Bodies; Radiation--Ionizing; Scientific Data; Scientific Method; Space Flight; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF); Manned Spacecraft Center (NASA); National Aeronautics and Space Administration (NASA).

**DOD-012695-E** 4 documents; 0.06 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* USAF WNRC search. *Contents Description:* Antigen-Antibody Responses in the Rhesus Monkey - Development of Methods to Understand treatment of Personnel Exposed to Ionizing Radiation. *Descriptors:* Animal Experimentation; Biological Effects; Experimental Methods; Experiments; Radiation--Ionizing; Research--Nontherapeutic; Weapons Research; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF).

**DOD-012695-F** 24 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Air Force search of WNRC, AIR5.90109. *Contents Description:* Collection of reports and correspondence concerning a study at UCLA circa 1955-66, titled "Radiation induced Chromosome Aberrations in Man and Monkey.". *Descriptors:* Animal Experimentation; Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF); University of California - Los Angeles (UCLA).

**DOD-012795-A** 29 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC, Rg 112 65-3174 box 57, ARM2.90117. *Contents Description:* Contains contracts, journal articles, and reports concerning Everett Evans thermal burn experiments at the Medical College of Virginia (MCV). Derived from the RECC search of the Office of the Army Surgeon General at the

Washington National Records Center. *Descriptors:* Contracts/Contractors; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Prisoners; Research--Nontherapeutic; University Research.

**DOD-012795-B** 29 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC, RG 112: 58-1094, 57-70; ARM1.950117. *Contents Description:* 1. Six reports from the Army Medical Research Laboratory Fort Knox, Kentucky, from the early 1950's of different experiments using X-irradiation. 2. Table of contents for Medical Department Research and Development Program of the Army Research and Development Board Office of the Surgeon General U.S. Army, for July of 1946 to 1953. There are also some reports included that are listed in the contents that the RECC believed to be relevant. *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Equipment; Scientific Method; Total Body Irradiation; Army (DOD/USA).

**DOD-013095-A** 4 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950112. *Contents Description:* Documents from Washington National Records Center. Selected from Army Surgeon General's files. Includes material from progress reports 1 - 3 and transmittal letters. September and December 1965 Quarterly Army Federal Civilian Employees Health Service Report. *Descriptors:* Army (DOD/USA); Department of Defense (DOD).

**DOD-013195-A** 1 box; 1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM2.950104. *Contents Description:* Mid 60's material on Army volunteer programs, human use committees. 1950's materials on Sloan-Kettering TBI, 1947 package of basic materials on VA radioisotope program. . *Descriptors:* Volunteers; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-013195-B** 10 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950125. *Contents Description:* Documents that RECC retrieved from Washington National Records Center. *Descriptors:* Volunteers; Department of Defense (DOD).

**DOD-013195-C** 29 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC, RG 112 75-13, Office of the Army Surgeon General, ARM2.950118. *Contents Description:* RG 112, 75-13, WNRC documents that encompass everything in the Army Surgeon General's files that have to do with Laser radiation. There are journal articles on the effects of laser irradiation of the eye, body, mouth, and associated Hazards. *Descriptors:* Animal Experimentation; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Scientific Data; University Research.

**DOD-013195-D** 7 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950118. *Contents Description:* Correspondence and report excerpts on thermal flash burn studies at MCV and pathological effects of ionizing-radiation on humans. *Descriptors:* Animal Experimentation; Biological Effects; Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Method; Volunteers; Army (DOD/USA); Defense Atomic Support Agency (DOD/DASA).

**DOD-020195-A** 34 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950113, RG 112 office of the Army Surgeon General. *Contents Description:* Contans documents pertaining to flash blindness, budget info for DASA biomedical requirements FY '63-'64, reports on the effects of radiation exposure, and effects of radiation on equipment and food. Large number of the documents concern the use of volunteers, for example regulations AR70-25(1962) and AR40-37(1963), "Use of Volunteers for Army Medical Research.". *Descriptors:* Experimental Methods; Experiments; Flash Blindness; Guidelines/Regulations; Human Subjects; Radiation--Ionizing; Voluntariness; Volunteers; Armed Forces Radiobiology Research Institute (DOD/DNA/AFRRI); Army (DOD/USA); Defense Atomic Support Agency (DOD/DASA).

**DOD-020295-A** 26 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC Army Surgeon General's files, ARM2.950113. *Contents Description:* This collection includes the following document topics: volunteers, report discussing the use of human subjects, another idem on flash blindness, and dental studies with X-rays. *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Flash Blindness; Human Subjects; Radiation--Ionizing; Volunteers; Army (DOD/USA).

**DOD-020395-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Department of the Army. *Collection:* Oral History Program Project Handlist. *Contents Description:* Senior Officer Oral History Program Project Handlist, January 2, 1992. *Descriptors:* Interviews; Army (DOD/USA).

**DOD-020395-B** 1 document; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950202, WNRC. *Contents Description:* A list of documents from the WNRC identified by the RECC staff that are presently in the declassification process. *Descriptors:* Records; Department of Defense (DOD).

*Sources and Documentation*

**DOD-020395-C** 8 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC2.950201, ARM1.940713. *Contents Description:* Documents concerning the use of Human volunteers requested by staff from the RECC. *Descriptors:* Consent; Guidelines/Regulations; Human Subjects; Informed Consent; Radiation--Ionizing; Research--Nontherapeutic; Voluntariness; Volunteers; Army (DOD/USA).

**DOD-020395-D** 1 document; 0.02 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Department of the Army Pamphlet, No. 20-110, September of 1950. "Atomic Energy Indoctrination." Section IV. entitled "Special Problems.". *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Biological Effects; Experiments; Fallout; Guidelines/Regulations; Military Activities; Protection/Shielding; Radiation--Ionizing; Training; Weapons Effectiveness; Weapons Research; Army (DOD/USA); Department of Defense (DOD).

**DOD-020695-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950203. *Contents Description:* Final Report On the Records Search For Human Radiation Experiments At the U.S. Army Chemical and Biological Defense Command. *Descriptors:* Army (DOD/USA); Department of Defense (DOD).

**DOD-020695-B** 6 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Army Regulations on the use of Human Volunteers: AR 40-610, AR-37, ASPR 13-503, AR-40-200, SF 522. *Descriptors:* Guidelines/Regulations; Human Subjects; Research--Nontherapeutic; Voluntariness; Volunteers; Army (DOD/USA).

**DOD-020695-C** 64 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC, RG 330, OSD1.950123. *Contents Description:* An eclectic mix of correspondence and reports that cover a range of topics concerning university contracts, guidelines for occupational exposure, memo's discussing human experimentation, radwarfare, TBI in the role of atomic warefare, RDB budgets and project lists and much much more. *Descriptors:* Biological Effects; Consent; Ethical Guidelines; Ethics; Experiments; Human Subjects; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Total Body Irradiation; Weapons Effectiveness; Weapons Research; Robley Evans; Joseph Hamilton; Shields Warren; Department of Defense (DOD); Joint Panel on Medical Aspects of Atomic Warfare (DOD); Massachusetts General Hospital (MGH); Research and Development Board (DOD/RDB); University of Chicago.

**DOD-020695-D** 17 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC, Army Surgeon General's Files ARM1.950123. *Contents Description:* Contains more documents from the WNRC, includes contract and progress report excerpts for experiments from Tulane, MCV, and U-Penn. (See Accession contents for more). *Descriptors:* Biological Effects; Contracts/Contractors; Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Method; University Research; Volunteers; Army (DOD/USA); Department of Defense (DOD); Research and Development Board (DOD/RDB).

**DOD-020795-A** 27 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* NAV1.950131. *Contents Description:* 1. Letter from the Navy Dosimetry Laboratory that answers questions on operation paperclip, Navy TBI activities, and discusses the origin of the Navy classified files of physicals of test personnel. 2. The set of documents (listed in the Accession Contents) pertaining to the sampling of radioisotopes in the body fluids of test personnel, or other persons in relation to tests. Also included are safety guidelines for operation "Crossroads" and a general "Manual of Radiological Safety, 3/48.". *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Fallout; Fallout Countermeasures; Guidelines/Regulations; Human Subjects; Medical Diagnosis; Medical Records; Medical Therapies; Meetings; Protection/Shielding; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Equipment; Scientific Method; Weapons Effectiveness; Weapons Research; Navy (DOD/USN).

**DOD-020995-A** 45 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950124. *Contents Description:* Documents from the files of the Army Surgeon General pertaining to Dr. Everett I. Evans of the Medical College of Virginia (MCV) and his contract with the DOD on Thermal Burn treatments. *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Prisoners; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Equipment; Scientific Method; University Research; Voluntariness; Volunteers; Department of Defense (DOD).

**DOD-020995-B** 3 documents; 0.05 cu.ft. *Source:* Department of Defense. *Contents Description:* Three Monthly progress reports by Dr. Albert M. Kligman, University of Pennsylvania to the US Army Edgewood Arsenal,

describing human experiments on prisoners using radioisotopes, June 30, 1966; May 1967; May 1967. Contract no. DA-18-035-AMC-126-(A). *Descriptors:* Prisoners; Radiation--Ionizing; Army (DOD/USA).

**DOD-021095-A** 55 documents; 0.4 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950203. *Contents Description:* Large collection of Radiological Warfare documents, the following is a selective list of general topics that are covered in this accession: Dugway experiments and its establishment, report excerpts from a joint AEC-DOD RW study group on "Military Applications of Radioactive Materials," medical and toxicological problems of RW, underground explosion tests at Dugway, and in general many memo's and reports related to the establishment of a RW Study group. (31 st submittal of documents .) *Descriptors:* Cloud Sampling; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Air Force Special Weapons Center (AFSWC/USAF); Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Dugway Proving Ground (DOD/DPG); University of California - Berkeley (UCB); University of Rochester.

**DOD-021095-B** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Response to ACHRE request no. 012795-D, Public Access to Agency Information Relating to Human Radiation Experimentation. *Descriptors:* Experiments; Human Subjects; Public Access; Radiation--Ionizing; Records; Department of Defense (DOD).

**DOD-021495-A** 1 document; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC3.950213. *Contents Description:* Response to request #020395-D. Army pamphlet 20-110 indoctrination. *Descriptors:* Guidelines/Regulations; Army (DOD/USA); Department of Defense (DOD).

**DOD-021595-A** 11 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* NAV1.9500213, National Archives San Bruno CA. *Contents Description:* Photodosimetry logs from film badges of the Radiation Laboratory San Francisco Shipyard in the late 1940's. Also included is a report by Dr. Robert Newell "A report of the Radiological Aspects of Operation Crossroads" Stanford University Med. School, Radiology, written sometime before 8/30/46. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Records; Weapons Effectiveness; Weapons Research; Navy (DOD/USN).

**DOD-021795-A** 92 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* OSD1.950209. *Contents Description:* An assortment of documents from the Office of the Secretary of Defense, includes the following selective list of documents (see accession contents for a doc by doc description): 1953 regulations and related correspondence on human volunteer use in DOD sponsored experiments, RDB (Research and Development Board) agendas and minutes with related correspondence from the 40's and 50's, two late 40's reports on Radwarfare on use of fission products, agendas and minutes extracts from the Joint Panel on Medical aspects of Atomic Warfare circa early 50's, correspondence from the DOD-Military Liaison Committee re: permissible dose levels, agenda and excerpts of the Armed Forces Medical Policy Council early 50's, correspondence from the Office of the Director of Defense Research and Engineering 50's and 60's. *Descriptors:* Animal Experimentation; Bikini Atoll; Human Subjects; Marshall Islands; Radiation--Ionizing; Radiological Warfare; Voluntariness; Volunteers; Weapons Effectiveness; Weapons Research; Joseph Hamilton; N. Gallagher; Defense Atomic Support Agency (DOD/DASA); Joint Panel on Medical Aspects of Atomic Warfare (DOD); Military Liaison Committee to AEC (DOD/OSD/MLC); Research and Development Board (DOD/RDB).

**DOD-021795-B** 38 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950210. *Contents Description:* Contains a collection of report excepts and correspondence on radiological warfare and cloud sampling/tracking. (see accession contents for a document by document index.) *Descriptors:* Biological Effects; Cloud Sampling; Military Activities; Monitoring; Radiation--Ionizing; Radiological Warfare; Scientific Data; Scientific Equipment; Scientific Method; Weapons Effectiveness; Weapons Research; Robert Oppenheimer; Carroll Wilson; Air Force (DOD/USAF); Defense Atomic Support Agency (DOD/DASA); Air Force Special Weapons Center (AFSWC/USAF).

**DOD-021795-C** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC2.950214. *Contents Description:* Response to Request #011095-D. Documents regarding: Redwing, Minutes of Defense Science Board, Bio-Medical Research & Development, Advisory Panel On Medical Biological Sciences, Task T-20 Review.. *Descriptors:* Radiological Warfare; Department of Defense (DOD).

**DOD-021795-D** 2 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950216. *Contents Description:* Response to request #012895-A & 011995-A. Subjects are related to Flashblindness and SAB Minutes & reports dealing with Biomedical research. *Descriptors:* Flash Blindness; Air Force (DOD/USAF).

## *Sources and Documentation*

**DOD-021795-E** 1 folder; 0.02 cu.ft. *Source:* Department of Defense, RECC. *Contents Description:* Response to ACHRE Requests 021395-B and 020895-F concerning Major Davlin. Due to lack of information, DOD was unable to provide additional information on subject. *Descriptors:* No descriptors.

**DOD-022295-A** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC Library data: Records created during January 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOD-022295-B** 15 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Command Historical Office; CBDCOM, Edgewood Arsenal, MD. RCC1.950213. *Contents Description:* These documents pertain primarily to the military use of volunteers in research. The documents are derived from the US Army Chemical Research and Development Laboratories Medical Research Volunteer Program and Headquarters Chemical Corps Research and Engineering Command. (See accession contents for a document by document index.) *Descriptors:* Voluntariness; Volunteers; Army (DOD/USA); Chemical Corps (DOD/USA/CC); Department of Defense (DOD).

**DOD-022295-D** 19 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Pentagon Library, RCC1.950214. *Contents Description:* Collection of Army regulations, handbooks, and manuals on occupational exposure to Ionizing radiation. The following is a list of army regulations: AR-40-14, AR 40-400, SR 40-1025-66, AR 40-27, Army Pamphlet 310-1, AR-40-431, AR 40-414, AR 40-350, SR 52-10-10, Army Pamphlet 20-112 and 20-169. *Descriptors:* Guidelines/Regulations; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Training; Army (DOD/USA).

**DOD-022495-A** 5 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1950221.001-0005. *Contents Description:* 1. Nuclear Explosions - Nursing Care 2. The Nurse In the Medical Management of Casualties Resulting from Nuclear Weapons. 3. The Role of the Nurse in the Care of Nuclear Casualties. 4. Operations Under Fallout Conditions USAREUR Medical Units. 5. Implications for Nursing: Talk to be given as part of total program on Disaster At Nurses' Session. *Descriptors:* Medical Therapies; Department of Defense (DOD).

**DOD-022795-A** 11 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR2.950222. *Contents Description:* USAF School of Aerospace Medicine (SAM) and Other Miscellaneous documents. Annual report for July through December of 1963 and several contents and excerpts of Histories of the Aerospace Medical Division for 1960-63 and 1965, Brooks AFB, Texas. *Descriptors:* Agency Histories; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Training; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF).

**DOD-022795-B** 35 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950209. *Contents Description:* Memos that cover early volunteer material related to the Edgewood Arsenal, MD. Also a large segment of documents concerning Radiological warfare (RW). *Descriptors:* Agency Histories; Atomic Tests; Experimental Equipment; Experimental Methods; Experiments; Fallout; Military Activities; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Robert Stone; Chemical Corps (DOD/USA/CC); Department of Defense (DOD); War Department (War).

**DOD-030195-A** 27 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950221, USAF Doc #445-468. *Contents Description:* Contains documents from the Air Force related to project paperclip and human test subjects. (see accession contents for more.) *Descriptors:* Human Subjects; Records; Scientific Data; Scientific Method; Secrecy; Air Force (DOD/USAF).

**DOD-030195-B** 8 documents; 0.04 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950223. *Contents Description:* Collection of documents related to the use of human subject and voluntariness in military experimentation. *Descriptors:* Guidelines/Regulations; Human Subjects; Voluntariness; Volunteers; Army (DOD/USA); Chemical Corps (DOD/USA/CC).

**DOD-030295-A** 1 document; 0.02 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Army Regulation 70-25, "Use of Volunteers as Subjects of Research." 01/25/90. *Descriptors:* Voluntariness; Volunteers; Army (DOD/USA).

**DOD-030395-A** 4 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC2.950301. *Contents Description:* Chemical Corps Historical report for 10/1/58 - 12/31/58, re: information on Historical projects. A memo dated 08/20/59 stating that the Historical offices for quarter ending June 30, 1959 submits a negative report (?). Finally two Disposition Forms for quarterly reports in 1959, one ending in Sept. the other in December. *Descriptors:* Agency Histories; Chemical Corps (DOD/USA/CC).

**DOD-030395-B** 5 documents; 0.04 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950301. *Contents Description:* Army regulations AR 40-580, 02/01/57: Medical Service, Control of Hazards to Health from Radioactive Materials. Also AR700-52 for 12/17/62, 02/04/66, and 05/22/68: Logistics, Licensing and Control of Radioactive Materials. Lastly, AR 385-11, 05/01/80: Safety, Ionizing Radiation Protection (Licensing, Control, Transportation, Disposal, and Radiation Safety) Effective 05/01/80 in accordance with 32 CFR 655.10, Includes Notice to Employees. *Descriptors:* Guidelines/Regulations; Occupational Guidelines; Occupational Health; Army (DOD/USA).

**DOD-030695-A** 48 documents; 0.25 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* NAV1.950227. *Contents Description:* Collection contains many documents related to the 1954 Crossroads test series and its fallout victims on Rongalap (Marshallese) and the Japanese fishing boat the Fukuryu Maru. Of note, a report by Merril Eisenbud, "Contamination of the Fukuryu Maru and Associated Problems In Japan: Preliminary Report." Undated, but provides an excellent description of the events and analysis of Japanese mood following the return and treatment of their fishermen. Various reports on medical subjects related to radiation, such as "The Relationship Between Radiation Damage and Immune State." Reports on specific operations, i.e. Operation TEAPOT, GREENHOUSE, and CROSSROADS. Also, US Naval Radiological Defense Laboratory annual reports for 1953-54. Radiation exposure lists for the San Francisco Naval Shipyard. (- - - -PRIVACY ACT- - - - UNREDACTED MATERIALS) *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Biological Effects; Fallout; Guidelines/Regulations; Harm; Marshall Islands; Military Activities; Occupational Guidelines; Radiation--Ionizing; Radiation Injury; Scientific Data; Scientific Method; Training; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL); Navy (DOD/USN); University of California - Los Angeles (UCLA).

**DOD-030795-A** 17 documents; 0.16 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC2.950227. *Contents Description:* Collection of agencies histories entitled "Summary of Major Events and Problems" prepared under direction of the Surgeon General The Historical Unit, Army Medical Service, contents and excerpts from unclassified and only contents for classified versions. For the following dates: Sept. 51 - Dec. 52, Jan. 53 - June 53, July 54 - June 55, July 55 - June 56, July 56 - June 57, July 57 - June 58, July 58 - June 59, July 59 - June 60. Also the excerpts from the Annual Report of the Surgeon General USA, for FY 60, and another report excerpt from "Medical Activities related to the Korean Conflict., 1950. *Descriptors:* Agency Histories; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Medical Diagnosis; Medical Equipment; Medical Therapies; Radiation--Ionizing; Army (DOD/USA)

**DOD-030795-B** 4 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950302. *Contents Description:* Documents obtained from Edgewood Arsenal regarding the establishment of Dugway proving ground in Utah. Memo's and reports cover the budgetary needs for the start-up and maintenance of the test site (circa 1949), also detailed discussion of test site necessity for Radiological, chemical, and Biological testing; included also a manual on safety regulations for Dugway.. *Descriptors:* Biological Effects; Experimental Methods; Experiments; Fallout; Guidelines/Regulations; Military Activities; Occupational Guidelines; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Army (DOD/USA); Dugway Proving Ground (DOD/DPG).

**DOD-030895-A** 5 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR2.950306. *Contents Description:* Three pre-1975 School of Aviation Medicine (SAM), (1) Human Cold Acclimatization, Yonsei Medical School Korea, I-131. (2) Influence of Acute Exposure to Cold on the Thyroid Function, Brussels, Belgium, I-131. (3) Study of Sickle Trait--CR51 Tagged RBCs, UT Gaveston. *Descriptors:* Experimental Methods; Experiments; Radiation--Ionizing; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-030895-B** 6 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950306. *Contents Description:* Army Regulation AR-40-38 for Clinical Investigation Program for the following years, 1971, 73,79,78,79,84, and 89. *Descriptors:* Guidelines/Regulations; Human Subjects; Informed Consent; Voluntariness; Volunteers; Army (DOD/USA).

**DOD-030895-C** 4 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950306. *Contents Description:* (1) Memo: USN Radiological Defense Laboratory from Clyde D. Gasser Col. USAF, Re: (Unclassified) Transmittal of Preliminary ANPP (Nuclear Powered Aircraft Program???). 02/08/95. (2) Report 6/18/54 "Preliminary ANPP Radiobiology Guide.". *Descriptors:* Biological Effects; Radiation--Ionizing; Reactors; Scientific Data; Total Body Irradiation; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Wright Patterson Medical Center.

**DOD-030895-D** 2 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC2.950302. *Contents Description:* (1) Report 3/60: Department of the

Army Pamphlet No. 3-2, Research in CBR (Chemical, Biological, and Radiological Warfare), A Report of the Committee on Science and Astronautics, Eighty-Sixth Congress First Session (No. 23), House Report No. 815. (2) Regulation 10/14/58: AR 40-582, Medical Service, Evaluating and Reporting Internal Exposures to Radioactive Materials. *Descriptors:* Guidelines/Regulations; Records; Army (DOD/USA).

**DOD-030895-E** 29 documents; 0.35 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* NAV1.950301, San Bruno CA. *Contents Description:* Eclectic collection of documents sent from the Navy responding to DOD wide search for human radiation experiments. All of the documents date from the late 40's to early 50's, and cover such topics as: radiological safety during atomic tests, animal experimentation at tests, lists of exposed personnel from the atomic tests and San Francisco Naval Yard, memo's concerning the re-survey and evacuation and decontamination and a narrative of evacuation of the Marshall Islands, and docs. relating to AFSWP. *Descriptors:* Animal Experimentation; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Fallout; Guidelines/Regulations; Military Activities; Nevada Test Site (Mercury Nevada); Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Scientific Data; Scientific Method; Weapons Effectiveness; Weapons Research; Shields Warren; Leslie Groves; Air Force Special Weapons Center (AFSWC/USAF); Air Force (DOD/USAF); Army (DOD/USA); Department of Defense (DOD); Veterans Administration (VA).

**DOD-030895-F** 67 documents; 0.4 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950224. *Contents Description:* Large collection of Radiological Warfare documents, with budgets for the establishment in the late 40's with the continued costs through the early 50's. Also, documents relating to the exposure of personnel at various atomic tests for PLUMBBOB and three documents referring to the use of volunteers during atomic tests (i.e. distance to ground zero, reasons for use, etc.). and lots more. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Fallout; Guidelines/Regulations; Military Activities; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Voluntariness; Volunteers; Weapons Effectiveness; Weapons Research; Army (DOD/USA); Chemical Corps (DOD/USA/CC); Department of Defense (DOD); Dugway Proving Ground (DOD/DPG).

**DOD-030995-A** 4 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC2.950306. *Contents Description:* (1) Minutes of the First Meeting of the Joint Panel on Medical Aspects of Atomic Warfare Held on 6/3/49, Draft copy included. (2) memo: from E.B. Kelly to Commander Wulzen 6/22/49 re: Joint Panel on Medical Aspects of Atomic Warfare, Minutes of First Meeting. *Descriptors:* Experiments; Radiation--Ionizing; Total Body Irradiation; Joint Panel on Medical Aspects of Atomic Warfare (DOD).

**DOD-031095-A** 3 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950310. *Contents Description:* Response to request #'s 030395-A, B. Includes Project Paperclip Information, Search of IRIS Database, 2 search printouts. *Descriptors:* Air Force (DOD/USAF).

**DOD-031095-B** 14 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950224. *Contents Description:* Documents that were retrieved from the Edgewood Arsenal, Maryland. Some topics are: Work On Percutaneous Absorption, Final Report, Loan Agreement, Progress Report, Western Reserve University, Cardiovascular Assessment Kit St. Louis University. *Descriptors:* Experiments; Department of Defense (DOD).

**DOD-031095-C** 7 documents; 0.12 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950228. *Contents Description:* Documents RECC retrieved from Army Center For Military History. Summary of Major Events, 1951 - 1960. *Descriptors:* Army (DOD/USA).

**DOD-031495-A** 9 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950310. *Contents Description:* Contains several reports from the Chemical Corps on different experiments and operations during the 50's. See accession contents for more. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Military Activities; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Training; Weapons Effectiveness; Weapons Research; Army (DOD/USA); Chemical Corps (DOD/USA/CC).

**DOD-031695-A** 2 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC, RCC1.950315. *Contents Description:* Two Memo's, the first dated 12/19/49 from Major General C.G. Helmick, GSC, Deputy Director for Research and Development to the Surgeon General, Main Navy Building; Re: request for the establishment of acceptable military risks for AW and RW attack. Includes the 2nd indorsement. The other memo is dated 5/23/50, from William S. Stone, Medical Corps, Chairman, Medical Research and Development Board to Assistant Chief of Staff, G-4, Logistics GSUSA; Subject: Special

Weapons Effects. *Descriptors:* Human Subjects; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Air Force Special Weapons Center (AFSWC/USAF).

**DOD-031695-B** 4 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR2.950310. *Contents Description:* Air Force and DOD/RECC response to request for more documents pertaining to project "Paperclip." The personnel files of Herbert Bruno Gerstner and Hurbertus Strughold are provided by the Air Force, and several document describing the disposition of employment records and personnel folders of Project Paperclip employees. (--------Privacy Act Material------) *Descriptors:* Records; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-031795-A** 2 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM2.950310. *Contents Description:* ARM2.950310.001 - CRDEC Regulation No. 70-3, Use of Human Subjects In Research Development, Test and Evaluation, 11/1/89. ARM2.950310.002 - Authors: Secretary of the General Staffr, 1Lt, GS, Kathy A. Towers; Title: CRCED Regulation No. 70-3 (Change 1), Use of Human Subjects In Research and Development, Test and Evaluation, 3/25/90. *Descriptors:* Guidelines/Regulations; Department of Defense (DOD).

**DOD-031795-B** 7 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* NAV1.950314. *Contents Description:* Response to request #011295-G, H, K, L. Enclosed are 2 recent documents regarding the extramural research review project. Other documents relate to: Tomgraphy Studies, Protocols of 2 Studies, Consent Forms, Hypotension in the Acute Trauma Patient. (Sara will keep copy 2 for her records.) *Descriptors:* Guidelines/Regulations; Navy (DOD/USN).

**DOD-031795-C** 17 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950309. *Contents Description:* Documents were retrieved from Washington National Records Center, Record Group 330 by RECC. Includes: Newsarticle titled "Seek Probe of Draftee Physicals", Minutes of Joint Medical Research Conference, Research As It Applies to DASD, Army Medical Research Program. *Descriptors:* Consent; Department of Defense (DOD).

**DOD-031795-D** 1 folder; 0.05 cu.ft. *Source:* Department of Defense, Office of the Deputy Chief of Staff for Intelligence. *Collection:* Directorate of Counterintelligence and Security Countermeasures. *Contents Description:* Photocopy of the dossier of Hubertus Strughold held by the Investigative Records Repository at Fort Meade, MD. *Descriptors:* Records; Army (DOD/USA).

**DOD-032095-A** 35 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950310. *Contents Description:* Collection of documents from the Defense Nuclear Agency (DNA) pertaining to late 40's early 50's Radwarfare (RW). There are several Research Council Studies of the Dugway Proving Ground dating from 1949, with related correspondence. Budget data on RW expenditures, reports on various aspects of RW, and documents concerning tantalum dispersal at Hanford. *Descriptors:* Biological Effects; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Toxicity; Robert Stone; Carroll Wilson; Wright Langham; Department of Defense (DOD); Dugway Proving Ground (DOD/DPG); Hanford Site (Richland Washington).

**DOD-032095-B** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RECC. *Contents Description:* RECC chronology for Feburary 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOD-032095-C** 4 documents; 0.07 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950317. *Contents Description:* Army regulations AR 340-16 "Correspondence Continental Army Command Channels of Communication." 10/15/57. And *AR 340-16 "Correspondence Zone of Interior Army Channels of Communication." AR 340-16, Office Management Safeguarding "For Official Use Only" Information 08/07/75. AR 40-10, Medical Service Health Hazard Assessment Program In Support of the Army Material Acquisition Decision Process. 08/15/83. *Descriptors:* Guidelines/Regulations; Army (DOD/USA).

**DOD-032095-D** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DRE1.950317. *Contents Description:* Two page reply to four questions posed by members of the ACHRE staff on 03/01/95 to Joseph V. Osterman Director of Environmental and Life Sciences. *Descriptors:* Informed Consent; Voluntariness; Volunteers; Department of Defense (DOD).

**DOD-032195-A** 1 document; 0.03 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Report that is undated and unsigned, that discusses the beginnings of AFOAT-1 or long range detection. *Descriptors:* Long Range Detection; Central Intelligence Agency (CIA); Department of Defense (DOD).

## *Sources and Documentation*

**DOD-032295-A** 6 documents; 0.1 cu.ft. *Source:* Col. Sutlle (Department of Defense). *Contents Description:* Collection of Army regulations obtain by staff member Wilhelmine Miller, during 3/22/95 meeting with Army officials. The regulations include the following: AR 70-1, 70-75, 385-16, 602-1, 602-2, and 40-10. These generally pertain to Army acquisition policy and safety issues. *Descriptors:* Guidelines/Regulations; Occupational Guidelines; Occupational Health; Army (DOD/USA).

**DOD-032395-A** 3 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950321. *Contents Description:* Sanitized versions of two green run memo's. (see accession contents for more. Final Report, Chapter 7, Cite #5) *Descriptors:* Green Run; Department of Defense (DOD).

**DOD-032795-A** 1 document; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* UCCMRCC1.950321. *Contents Description:* April 1967 Report on "Treatment of Acute Radiation Injury Under Medically Austere Conditions," by the Trimac committee of the office of Civil Defense, by M. Ingram, W.R. Ames, C.G. Anderson, G.A. Andrews, V.P. Bond, J.T. Brennan, G.L. Hekhuis, J.R. Hinshaw, E.L. Saenger, C.M. Unruh, N. Wald, and E.D. Thomas. *Descriptors:* Fallout Countermeasures; Radiation--Ionizing; University of Rochester; Department of Defense (DOD).

**DOD-032895-A** 6 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950322. *Contents Description:* This collection contains 4 documents of signifigance: two concerning the status of the RW programfrom 1949, a letter from the AFSWP concering the reduction of decontamination procedures for aircraft during Plumbob (plumbbob), and a 12/12/52 report by Col. H.K. Gilbert, "Operation Knothole Project Summaries.". (See accession contents) *Descriptors:* Radiation--Ionizing; Radiological Warfare; Armed Forces Special Weapons Project (DOD/AFSWP); Atomic Energy Commission (AEC); Department of Defense (DOD).

**DOD-033095-A** 7 documents; 0.06 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950313. *Contents Description:* This collection contains two DOD directives for the delegations of authority, one dated 11/03/71 for the DNA and the other dated 07/22/64 for DASA. The other documents are memoranda that address budget and aircraft requirements for Radiological Weapons tests. *Descriptors:* Guidelines/Regulations; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Defense Atomic Support Agency (DOD/DASA); Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-033095-B** 44 documents; 0.35 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950320. *Contents Description:* Early Radiological (RW) documents suggesting the establishment of a panel to study aspects of BW,RW, and CW. Several excepts from the minutes of the Research Council of the Chemical Corps Advisory Board, a prominent member of this group was Dr. W.A. Noyes, which generally discussed aspects of BW, CW, and RW. A substantial number of documents pertain to the establishment and operation of Dugway Proving Ground. A collection of organizational charts of major army research centers for 1947, i.e. Joint R+D Board, Chemical Corps., Bio. Div. Camp Detrick, and Edgewood Arsenal. See accession contents for a more detailed description. *Descriptors:* Agency Histories; Guidelines/Regulations; Radiation--Ionizing; Radiological Warfare; Training; Weapons Effectiveness; Weapons Research; Chemical Corps (DOD/USA/CC); Dugway Proving Ground (DOD/DPG); Research and Development Board (DOD/RDB).

**DOD-040395-B** 32 documents; 0.25 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* ARM1.950327. *Contents Description:* Contains documents from Edgewood Arsenal, that pertain to radiological Warfare. (See accessions contents for a document by document index.) *Descriptors:* Radiation--Ionizing; Radiological Warfare; Army (DOD/USA); Chemical Corps (DOD/USA/CC); Dugway Proving Ground (DOD/DPG).

**DOD-040595-A** 3 documents; 0.2 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950403. *Contents Description:* Three DOD organizational documents, one is a directive on acquisition dated 2/23/91, the next is an instruction for "Defense Acquisition Management Policies and Procedures," dated 2/23/91, the last a Defense Directive system transmittal dated 2/26/93. *Descriptors:* Guidelines/Regulations; Military Activities; Department of Defense (DOD).

**DOD-040695-A** 6 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC4.950330. *Contents Description:* Documents that were retrieved from Washington National Records Center. Regarding: Nuremberg Trials, War Crimes and International Law, Human Volunteers in Bio-medical Experimentation. *Descriptors:* Human Subjects; Nuremberg Codes/Trials; Volunteers; Department of Defense (DOD).

**DOD-040695-B** 14 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC3.950330. *Contents Description:* Joint Panel on the Medical Aspects of

Atomic Warfare, Agendas, minutes excerpts, and correspondence related to Radiological Warfare. Also, documents from the Committee on Atomic Energy of Research and Development Board and the Joint AEC-DOD panel on RW. All documents date from 1949-50. *Descriptors:* Meetings; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Joint Committee on Atomic Energy (Congress); Joint Panel on Medical Aspects of Atomic Warfare (DOD).

**DOD-040695-C** 9 documents; 0.1 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950327. *Contents Description:* Published articles from the Air Force regarding Flashblindness. (see accession contents for a document by document index.) *Descriptors:* Flash Blindness; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-040895-A** 37 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC2.950330. *Contents Description:* Assortment of various documents concerning use of volunteers, RW, and misc. other topics. . (See accession contents for a more indepth document description.) *Descriptors:* Biological Effects; Guidelines/Regulations; Military Activities; Prisoners; Psychological Effects; Radiation--Ionizing; Radiological Warfare; Total Body Irradiation; Voluntariness; Volunteers; Weapons Effectiveness; Weapons Research; Armed Forces Special Weapons Project (DOD/AFSWP); Atomic Energy Commission (AEC); Chemical Corps (DOD/USA/CC); Department of Defense (DOD).

**DOD-041195-A** 16 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* NAV1.950407. *Contents Description:* Documents sent from the Naval Dosimetry Center. Contains documents on radium hazards and safety guidelines from the postwar period, documents related to maximum permissible dose level, and reports on the relationship between ionizing radiation and cancer. (See accession contents for a document by document index.) *Descriptors:* Biological Effects; Guidelines/Regulations; Medical Diagnosis; Medical Therapies; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Scientific Data; Department of Defense (DOD).

**DOD-041295-A** 37 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950330. *Contents Description:* Among other things, the majority of documents pertain to Radiological Warfare (RW). For example there are a significant number of reports and memoranda regarding the Joint AEC-DOD Panel on Radiological Warfare. *Descriptors:* Fallout; Radiation--Ionizing; Radiological Warfare; Air Force (DOD/USAF); Armed Forces Special Weapons Project (DOD/AFSWP).

**DOD-041395-A** 17 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950406. *Contents Description:* Minutes and related memoranda for the Armed Forces Medical Policy Council all date from the early 50's. (See accession contents for a document by document description.) *Descriptors:* Guidelines/Regulations; Armed Forces Medical Policy Council (DOD/OSD/AFMPC).

**DOD-041395-B** 5 documents; 0.25 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950405. *Contents Description:* Includes the following radiological warfare documents: CCTC minutes excerpts for 1953, 1951 -cont'd, and 1960; all relate to BW, CW, and RW issues. Also, a memo concerning the Noyes Report, "A comparative Evaluation of CW, BW, and RW;" dated 09/02/49. *Descriptors:* Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Chemical Corps (DOD/USA/CC).

**DOD-041795-A** 1 document; 0.2 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR2.950413. *Contents Description:* Final Environmental Impact Statement April 1993 of the Space Nuclear Thermal Propulsion Program, Particle Bed Reactor Propulsion Technology Development and Validation. April 1993. *Descriptors:* Nuclear Rockets; Air Force (DOD/USAF).

**DOD-041795-B** 2 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950413. *Contents Description:* DOD response to the question, "as we prepare our report to the general public, we wish to portray the full range of benefits which have arisen from government-sponsored human radiation experiments. We would therefore welcome your views on which of the experiments conducted between 1944 and 1974 that you have reported to us have, when viewed retrospectively, resulted in major benefits.". *Descriptors:* Experiments; Department of Defense (DOD).

**DOD-041795-C** 26 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950404. *Contents Description:* DNA response to retrospective question in request 031395-E. Also, radiological warefare material, see accession contents for more. *Descriptors:* Radiation--Ionizing; Radiological Warfare; Air Force (DOD/USAF); Defense Atomic Support Agency (DOD/DASA); Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

*Sources and Documentation*

**DOD-041995-A** 1 document; 0.02 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* The RECC Chronology for March 1995. *Descriptors:* Records; Department of Defense (DOD). **DOD-042495-A** 7 slides *Source:* Lawrence S. Farlow (Department of Defense). *Collection:* Dept. of the Air Force, HQ Human Systems Center (AFMC) Brooks Air Force Base, Texas. *Contents Description:* Six photographs from the Col. John E. Pickering's collection at Brooks Air Force Base, Texas. Re: photo's of different animals retina's for flashblindness along with one photo of an atomic cloud. . *Descriptors:* Atomic Tests; Flash Blindness; John Pickering; Air Force (DOD/USAF); Brooks Air Force Base (DOD/USAF).

**DOD-042595-A** 11 documents; 0.08 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* FRC RG 112. *Contents Description:* Eleven documents retrieved by ACHRE staff at the Federal Records Center Suitland, MD; memoranda re: related to the Wilson memo. *Descriptors:* Ethical Guidelines; Ethical Policies; Ethics; Experiments; Voluntariness; Volunteers; Carroll Wilson; Armed Forces Medical Policy Council (DOD/OSD/AFMPC); Armed Forces Special Weapons Project (DOD/AFSWP); Department of Defense (DOD).

**DOD-042695-A** 2 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950425. *Contents Description:* DNA response to questions posed by ACHRE staff regarding a 1951 Humrro psychological questionnaire and air burst material and possible secret records relating to veterans claims of bomb test exposure. . *Descriptors:* Atomic Tests; Military Activities; Psychological Effects; Records; Secrecy; Weapons Effectiveness; Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOD-042695-B** 2 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC2.950424. *Contents Description:* DOD directives regarding Research and Engineering Advisory Panels, from August of 1957 and April of 1958. *Descriptors:* Guidelines/Regulations; Meetings; Military Activities; Department of Defense (DOD).

**DOD-042695-C** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC Library data: Records created during March 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOD-042795-A** 2 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950424. *Contents Description:* Two Army directives concerning the training of MBC units: Army regulation 350-41 "Training of Units" 04/16/63 and Army regulation 50-5 "Nuclear Surety" 1/10/89. *Descriptors:* Guidelines/Regulations; Military Activities; Training; Army (DOD/USA); Department of Defense (DOD).

**DOD-042895-A** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC Library data: Records created during February 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOD-050195-A** 10 folders; 0.7 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950428. *Contents Description:* Documents received during DOD/RECC and ACHRE joint meeting. They include four search summaries from the DOD for the following collections: Records Group 112 Office of the Surgeon General, Edgewood Arsenal holdings classified and unclassified, RG 175 Army Chemical Corps, and a trip report of findings at Civilian Personnel Records Center in St. Louis Missouri for Project Paperclip files. These summaries include lists of holdings and bibliographies for both classified and unclassified documents. Also the collection of folders contain personnel files for some Paperclip scientists found at the St. Louis (CPRC): Frederick Hoffman, Wolfgang Luther, Oskar Ritter, Theodor Wagner-Jauregg, Boris Rajewsky, Heinz Haber, Fritz Haber, Ernst R.G. Eckert, Ingeborg Schmidt, and Bruno Blake. *Descriptors:* Records; Air Force (DOD/USAF); Army (DOD/USA); Chemical Corps (DOD/USA/CC); Department of Defense (DOD).

**DOD-050295-A** 10 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950414. *Contents Description:* This packet from the Air Force contains a bibliography of available records on Paperclip scientist at St. Louis NRC, along with a printout of database searches for Paperclip scientists, including one specifically for Herbert Gerstner. See Accession Contents for a document by document review. *Descriptors:* Records; Air Force (DOD/USAF).

**DOD-050395-A** 11 documents; 0.085 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950502, Pentagon Library. *Contents Description:* Collection of Army regulations, in particular AR 70-8, 70-30-1. All pertain to human research. (please see accession contents for document by document index.) *Descriptors:* Guidelines/Regulations; Human Subjects; Training; Army (DOD/USA); Department of Defense (DOD).

**DOD-050395-B** 21 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950425. *Contents Description:* Comprised of histories of the US Army Chemical Corps Advisory Council Committee (ACS), Army handbooks on the use of medical volunteers, among other things, see accession contents for a document by document index. *Descriptors:* Agency Histories; Guidelines/Regulations; Human Subjects; Voluntariness; Volunteers; Army (DOD/USA); Chemical Corps (DOD/USA/CC).

**DOD-050895-A** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC Library data: Records created during March and April 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOD-051095-A** 41 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AFR1.950505. *Contents Description:* These documents from the Armed Forces Radiobiology Research Institute (AFRRI) regard the use of experimental serums and total body irradiation during the early seventies for leukemia and bone marrow cancer. See accession contents for a document by document description. *Descriptors:* Medical Diagnosis; Medical Equipment; Medical Records; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; Total Body Irradiation; Armed Forces Radiobiology Research Institute (DOD/DNA/AFRRI).

**DOD-051095-B** 33 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950504. *Contents Description:* Collection of published articles on Flash Blindness studies. (See accession contents for document by document description.) *Descriptors:* Animal Experimentation; Flash Blindness; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-051095-C** 7 documents; 0.4 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950505. *Contents Description:* Civilian personnel files from the St. Louis National Records Center for the following "Paperclip" scientists: Dr. Ulrich K. Henschke, Dr. Hans Gebelein, Dr. Theo Zobel, Karl Braeuninger, Dr. Willibald K. Jentschke, Dr. Charlotte Kitzinger, and Hans Rister. *Descriptors:* Records.

**DOD-051695-A** 14 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* rcc1.950512. *Contents Description:* Report excerpts and table of contents of Histories of the US Army Test and Evaluation Command, Aberdeen Proving Ground for selective years during the 60's, 70's, and 80's. See Accession contents for a more document by document inventory. *Descriptors:* Agency Histories; Army (DOD/USA).

**DOD-051695-B** 1 folder; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950515. *Contents Description:* Civilian personnel file of Eugene M. Knoernschild a project Paperclip scientist, for the years of 1946-77, derived from the College Park Records Center. *Descriptors:* Records; Central Intelligence Agency (CIA); War Department (War).

**DOD-051895-A** 2 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950515. *Contents Description:* Two reports on Operation Sun Beam conducted during shot small boy to evaluate atomic detonations effect on aircraft missile systems and devices designed to protect eyes from flash blindness and retinal burns. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Flash Blindness; Military Activities; Protection/Shielding; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-051995-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Latest RECC Chronology for April 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOD-052295-B** 84 documents; 0.25 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Edgewood Arsenal, RCC1.950511. *Contents Description:* Memo's, reports, and correspondence from the archive at Edgewood Arsenal, pertaining to the military use of volunteer's (consent forms included) and selected histories of the Chemical Corps. (See Accession Contents for document inventory.) *Descriptors:* Agency Histories; Biological Effects; Consent; Consent Forms; Military Activities; Radiation--Ionizing; Voluntariness; Volunteers; Chemical Corps (DOD/USA/CC); Department of Defense (DOD).

**DOD-052495-A** 9 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950519. *Contents Description:* Collection of technical reports by Paperclip scientists. See accession contents for a document by document description. *Descriptors:* Biological Effects; Experimental Methods; Experiments; Scientific Data; Scientific Equipment; Scientific Method; Department of Defense (DOD).

**DOD-052595-A** 2 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DRE1.950523. *Contents Description:* Questions posed by members of

ACHRE to the DOD/RECC regarding the Committee's review of DOD-funded, extramural studies of the acute health and performance effects of high dosage total body irradiation. *Descriptors:* Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Total Body Irradiation; Department of Defense (DOD).

**DOD-052695-A** 4 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Pentagon Library, RCC1.950524. *Contents Description:* Report excerpts of Radiological Warfare section of the semiannual reports of the Secretary of Defense, Army, Navy, and Air Force, for FY 1950-51. *Descriptors:* Radiological Warfare; Department of Defense (DOD).

**DOD-052695-B** 59 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* WNRC, RCC1.950516. *Contents Description:* National Archives RG 330 Office of the Assistant Secretary of Defense files. Meeting agendas, minutes of the Technical Advisory Panel, and various memoranda. (See accession contents for more.) *Descriptors:* Agency Histories; Meetings; Atomic Energy Commission (AEC); Department of Defense (DOD).

**DOD-053095-A** 10 documents; 0.25 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950525. *Contents Description:* Documents cited in the National Council on Radiation Protection Report no. 39. Please see accession contents for a document by document index. *Descriptors:* Occupational Health; Protection/Shielding; Radiation--Ionizing; Scientific Data; Scientific Equipment; Scientific Method; Space Flight; Wright Langham; National Council on Radiation Protection and Measurements (NCRPM); University of Cincinnati.

**DOD-053195-A** 6 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* OSD1.950421. *Contents Description:* Collection of memoranda from the files of the Office of the Secretary of Defense regarding volunteers in experimental research and in Biological warfare tests. (See accession contents for a document by document index.) *Descriptors:* Biological Effects; Voluntariness; Volunteers; Weapons Effectiveness; Weapons Research; Office of the Secretary of Defense (DOD/OSD).

**DOD-060295-A** 2 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* AIR1.950602 and AFR1.950602. *Contents Description:* Two AFFRI responses to ACHRE staff questions, regarding the usefulness of atomic bomb tests. *Descriptors:* Cloud Sampling; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Department of Defense (DOD).

**DOD-060295-B** 28 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950526. *Contents Description:* Documents from Edgewood Arsenal a collection of selective Chemical Corps histories and memoranda from the late 50's to early 60's. (Please see accession contents for a document by document description.) *Descriptors:* Agency Histories; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Military Activities; Radiation--Ionizing; Radiological Warfare; Army (DOD/USA); Chemical Corps (DOD/USA/CC); Department of Defense (DOD).

**DOD-060895-A** 20 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950606, Edgewood Arsenal. *Contents Description:* Chemical Corps Research and Development Command and also Chemical Corp Advisory Council documents from Edgewood Arsenal; that include historical reports, organizational charts, radiological warfare, and use of volunteers. (Please refer to the accession contents for a document by document index.) *Descriptors:* Agency Histories; Military Activities; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiological Warfare; Volunteers; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Chemical Corps (DOD/USA/CC); Department of Defense (DOD).

**DOD-061395-A** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC Library data: Records created during May 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOD-061395-B** 37 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950609. *Contents Description:* Documents retrieved from Washington National Records Center, from the Office of the Surgeon General Dept. of the Army files RG 319. Primarily program progress reports for the Army Medical service, with only contents and selected excerpts. *Descriptors:* Agency Histories; Experiments; Guidelines/Regulations; Human Subjects; Medical Diagnosis; Medical Therapies; Radiation--Non-ionizing; Volunteers; Army (DOD/USA).

**DOD-061495-A** 14 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* Edgewood Arsenal, RCC2.950224 and RCC2.950308 and RCC2.950213. *Contents Description:* Documents requested from staff from Edgewood Arsenal's declassified collection, re: the use of volunteers and prisoners in experimental drug studies. *Descriptors:* Experimental Methods; Experiments; Human Subjects; Prisoners; Volunteers; Army (DOD/USA); Department of Defense (DOD).

**DOD-061595-A** 1 folder; 0.02 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950614. *Contents Description:* Response to ACHRE Requests 021095-A and 022195-A. Army Medical Research Laboratory reports, excerpts from the 1952, 1955 and 1956 Walter Reed Army Medical Center annual reports and the table of contents of the 1955 and 1956 Letterman Army Hospital annual reports. *Descriptors:* Medical Laboratories; Radiation--Ionizing; Army (DOD/USA); Walter Reed Army Medical Center (DOD/USA/WRAMC).

**DOD-062095-A** 2 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* DNA1.950620. *Contents Description:* Radiation Exposure Charts for operation Dominic with three dosimetry cards, showing film badge numbers and issue dates. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Military Activities; Occupational Health; Department of Defense (DOD).

**DOD-062395-A** 7 documents; 0.04 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* Army regulation 40-210 and relevant documents to the use of human volunteers. *Descriptors:* Military Activities; Voluntariness; Volunteers; Department of Defense (DOD).

**DOD-062695-A** 2 documents; 0.03 cu.ft. *Source:* Department of Defense, Deputy Under Secretary of Defense (Environmental Security). *Contents Description:* TSP Radiological Dose Newsletter Summer Edition 1995, which is a publication of the Technical Steering Panel of the Hanford Environmental Dose Reconstruction Project, and the mission statement of the NRC. *Descriptors:* Dose Reconstruction; Guidelines/Regulations; Department of Defense (DOD); Hanford Site (Richland Washington); Nuclear Regulatory Commission (NRC).

**DOD-062695-B** 18 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950616. *Contents Description:* Documents retrieved from the Washington National Records Center, RG 319 Army Scientific Advisory Panel records. See accession contents for a complete index. *Descriptors:* Ethics; Experiments; Guidelines/Regulations; Military Activities; Weapons Effectiveness; Weapons Research; Department of Defense (DOD).

**DOD-062795-A** 1 document; 0.01 cu.ft. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC chronology for May 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOD-063095-A** 3 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* RCC1.950627. *Contents Description:* Two reports: "The Radiation Biology Hazard in Command and Control System Planning, Project 139," and "Study of the Post-Irradiation Syndrome in Humans." Also, a Bibliography, "Ionizing Radiation Effects on Performance Capabilities of Astronauts: An Annotated Bibliography.". *Descriptors:* Biological Effects; Experiments; Radiation--Ionizing; Space Flight; Sloan-Kettering Institute.

**DOD-071095-A** 2 documents; 0.08 cu.ft.; inventory available. *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Collection:* NAV1.950516.002. *Contents Description:* Dept. of the Navy's interim report and memoranda on the identification of organizations that might have conducted or sponsored human radiation experiments, dated 04/12/94. *Descriptors:* Records; Navy (DOD/USN).

**DOD-071395-A** 1 folder; 0.1 cu.ft. *Source:* Department of Defense. *Collection:* Pentagon Library. *Contents Description:* DOD Directives and Instructions retrieved by staff from the Pentagon Library, from the 1950's through the 1970's. These documents pertain to various DOD component organizations, included are Army General Order 44 and Army Regulation 10-5. *Descriptors:* Guidelines/Regulations; Military Activities; Army (DOD/USA); Department of Defense (DOD).

**DOD-072095-A** 1 diskette *Source:* Department of Defense, Radiation Experiments Command Center (RECC). *Contents Description:* RECC library catalog data for June 1995. *Descriptors:* Records; Department of Defense (DOD).

**DOE-042494-A** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Lori Azim (Department of Energy). *Contents Description:* Selection of materials re: human radiation experiments, including Tara O'Toole statement of 1/13/94 and George J. Annas's Statement of 1/13/94. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing.

**DOE-042494-B** 5 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Energy. *Contents Description:* Documents on the release of information on human radiation experiments by DOE. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Louis H. Hempelmann; Robert Oppenheimer; Stafford Warren; Los Alamos National Laboratory (DOE/LANL).

**DOE-042894-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Lori Azim (Department of Energy). *Contents Description:* Documents related to the beginning of the Advisory Committee on Human Radiation Experiments (ACHRE), the DOE document search and retrieval process, and background on human radiation experiments. *Descriptors:* Children; Experiments; Human Subjects; Radiation--Ionizing; Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS).

*Sources and Documentation*

**DOE-042894-B** 1 document; 0.01 cu.ft.0 *Source:* Michael Gauldin (Department of Energy). *Contents Description:* January 11, 1994, Informational Press Briefing by Michael Gauldin, Edited transcript, DOE, Forrestal, Room 1E-234 [4 p], and 6 attachments: (1-3) newsclippings (4 p.); (4-6) press release and two faxes related to National Research Council (NRC) review of DOE declassification efforts (3 p.). *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing.

**DOE-042894-C** 2 documents; 0.01 cu.ft.; inventory available. *Source:* Lori Azim (Department of Energy). *Contents Description:* Materials re (1) intentional releases and (2) physiological effects of radiation exposure. *Descriptors:* Radiation--Ionizing; Radiation Injury; Releases of Radioactivity; Intentional Releases; Joseph Hamilton; Shields Warren; Atomic Energy Commission (AEC); General Accounting Office (GAO).

**DOE-042894-D** 1 diskette ; inventory available. *Source:* Department of Energy, Office of Scientific and Technical Information (OSTI). *Contents Description:* Bibliography of human radiation experiments produced by OSTI from its database. (The files have been copied to the ACHRE network as a single file.) *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records.

**DOE-042894-E** 1 folder; 0.5 cu.ft.; inventory available. *Source:* Department of Energy, Office of Health. *Contents Description:* Documents related to medicine, radiation, and human experiments from various sources. *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects; Law & Legal Issues; Legislation; Nuremberg Codes/Trials; Radiation--Ionizing; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Nuclear Regulatory Commission (NRC).

**DOE-042894-F** 2 documents; 0.01 cu.ft.; inventory available. *Source:* Lori Azim (Department of Energy). *Contents Description:* Testimony before Congress of DOE Secretary Hazel O'Leary. *Descriptors:* Testimony; Congress.

**DOE-050394-A** 2 boxes; 2.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center Doc. Nos. 700000-700425 (Box 1, Bates Nos. 0000001-0002366) and 701299-701311 (Box 2, Bates 0002367-0002384, but Doc. Nos. and Bates Nos. in Box 2 not synchronized). *Contents Description:* Green Run and plutonium injection documents: "The Plutonium Injection copies were made from the original documents received from the Forrestal Public Reading Room. Some redacting of these documents had already been done. The Green Run copies represent 17 documents collected from DOE-Richland during the retrieval trip of April 18.". *Descriptors:* Experiments; Green Run; Human Subjects; Plutonium Injections; Radiation--Ionizing; .

**DOE-050694-A** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Materials From 5/4/94 meeting on human radiation experiments; Protecting Human Research Subjects (Doe Handbook). *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects; Radiation--Ionizing; Atomic Energy Commission (AEC).

**DOE-050694-B** 4 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Energy. *Contents Description:* Documents re: Hanford radiation releases. *Descriptors:* Radiation--Ionizing; Releases of Radioactivity; Intentional Releases.

**DOE-051094-A** 17 boxes; 32 cu.ft.; inventory available. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949. *Contents Description:* Human radiation records; Continued by DOE-060794-B; DOE-061794-B, DOE-061794-C , DOE-062494-A, DOE-070194-A, DOE-070694-A, DOE-070694-A, DOE-070794-B, DOE-070794-C, DOE-072294-A, DOE-072694-B, DOE-072694-C, DOE-08/22/94-B. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing.

**DOE-060794-A** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* INEL-USDOE-ID; INEL Technical Library; Conf. - 661018, CIC 708324. *Contents Description:* Proceedings of the 12th annual bio-assay and analytical chemistry meeting, October 13-14, 1966. (Collection Key indicates this document is also a part of a collection six documents from LANA and INEL ranging 708319-708324. As of 10/26/94 we have not received the other five documents.) *Descriptors:* Experimental Methods; Experiments; Federal Laboratories; Idaho National Engineering Laboratory (DOE/INEL).

**DOE-060794-B** 3 boxes; 6 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Coordination and Information Center (CIC) Doc. #s 702186-702248, 702544-702760, 707761-707942. *Contents Description:* Fermi; BNL; Savannah River; DOE-Oakland; INEL; LLNL; Tulane University/Charity Hospital; NARA; Oak Ridge; Stanford Linear Accelerator (SLAC); Continues DOE-051094-A . *Descriptors:* Experiments; Human Subjects; University Research; Fermi Laboratory; Idaho National Engineering Laboratory (DOE/INEL); National Archives and Records Administration (NARA); Oak Ridge National Laboratory (DOE/ORNL); Savannah River; Stanford University; Tulane University.

**DOE-060994-A** 1 envelope; 0.1 cu.ft. *Source:* Department of Energy, Albuquerque Operations Office. *Contents Description:* Previously classified reports found in the Albuquerque Operations Office records. *Descriptors:* Classified Research; Records.

**DOE-061094-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy. *Contents Description:* DOE Classified Work for Others Program, December 1990. *Descriptors:* Classified Research; Records; Weapons Research.

**DOE-061094-B** 1 box; 1.5 cu.ft. *Source:* Department of Energy. *Contents Description:* Box labeled "unredacted PU inject Study Series". *Descriptors:* Plutonium Injections.

**DOE-061494-A** 2 folders; 0.4 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* American Institute of Physics studies of DOE laboratory records; descriptions of 4 collections in Atlanta (NARA); 1969 GAO report on AEC biomedical program; AEC file guide; War Department filing system. *Descriptors:* Records; American Institute of Phyics (AIP); Atomic Energy Commission (AEC); General Accounting Office (GAO); National Archives and Records Administration (NARA); War Department (War).

**DOE-061594-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* AEC and DOE documents on classification of documents on human radiation and biomedical information. *Descriptors:* Classified Research; Human Subjects; Radiation--Ionizing; Secrecy; Atomic Energy Commission (AEC).

**DOE-061694-A** 24 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* "Draft copy of portions of a guide to Department of Energy records pertinent to human experimentation . *Descriptors:* Experiments; Human Subjects; Records.

**DOE-061794-A** 61 documents; 0.7 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* "sixty-one transcripts of interviews made by J. Newell Stannard when he wrote Radioactivity and Health: A History. *Descriptors:* Experiments; Human Subjects; Interviews; .

**DOE-061794-B** 2 boxes; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331. *Contents Description:* "DOE - Oak Ridge II"; continues DOE-051094-A . *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-061794-C** 1 box; 3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.); only CIC Doc. marked is #707842; from CIC printouts and inventory, assume actually range is #707761-707842. *Contents Description:* "DOE - Oak Ridge"; continues DOE-051094-A; boxes 1-2, unredacted, copies 1 & 2; boxes 3-4, redacted, copies 1 & 2. (Review has begun, but December date is fictitious. --DS, 1/17/95 This accession represents only one box in two forms(redacted and unredacted), each with its own duplicate copy, thus a total of four boxes of the same material.) *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-062294-A** 1 box; 1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Declassified minutes of the meetings of the US Atomic Energy Commission Advisory Committee on Biology and Medicine (ACBM). *Descriptors:* Records; Secrecy; Atomic Energy Commission (AEC); Atomic Energy Commission (AEC): Advisory Committee on Biology and Medicine.

**DOE-062494-A** 2 boxes; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702249-702543, Bates 0016423-0019960. *Contents Description:* "Argonne, Argonne-CHR"; continues DOE-051094-A . *Descriptors:* Experiments; Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology.

**DOE-062894-A** 11 documents; 0.05 cu.ft. *Source:* Department of Energy. *Collection:* Hazel O'Leary's Press Conference. *Contents Description:* A Collection of pamphlets handed out at Hazel O'Leary's press conference on June 27, 1994. The collection addresses the DOE's attempts to open its files to the public and the procedure and guidelines it is following. Secretary O'Leary announced the identification of an additional 48 experiments at this press conference. *Descriptors:* Agency Histories; Guidelines/Regulations; Records; Department of Energy (DOE).

**DOE-063094-A** 1 document; 0.05 cu.ft. *Source:* Department of Energy, Office of IRM Policy, Plans and Oversight: Records Management Division. *Contents Description:* "DOE Safeguards and Security Survey and Inspection Report for Federal Records Centers (FRC and Presidential Libraries," December 1993. *Descriptors:* Records; National Archives and Records Administration (NARA).

**DOE-070194-A** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and

Engineering Co., Inc.): Los Alamos II: Doc#s 708144-708205, Bates#s 10466198-1048226. *Contents Description:* "LANL II"; continues DOE-051794-A . *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Los Alamos National Laboratory (DOE/LANL).

**DOE-070694-A** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 708044-708143. *Contents Description:* "LANL; continues DOE-051094-A . (Review has begun, but the December date is fictitious. --DS, 1/18/95) *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Los Alamos National Laboratory (DOE/LANL).

**DOE-070694-B** 3 folders; 1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702761-702821. *Contents Description:* "ANL-TPS", "DOE-RLOO II"; continues DOE-051094-A [RLOO = Richland Operations Office, DOE]. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology.

**DOE-070794-A** 2 folders; 0.5 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* J. Newell Stannard, "Radioactivity and Health: A Hisory". *Contents Description:* "fifty-eight transcripts of interviews made by J. Newell Stannard when he wrote Radioactivity and Health: A History..Please note also that Mr. Stannard did not make tapes of all of his interviews. Accordingly, there are no transcripts of interviews with Howard L. Andrews, Bruce Boecker, Arland Carsten, Nicholas Carter, Ralph Fairchild, Sam Packer, Harry Foreman, James Haggerty, and Andrew Hull.". *Descriptors:* Experiments; Human Subjects; Interviews; Radiation--Ionizing; .

**DOE-070794-B** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 707943-708043. *Contents Description:* "LANL II collection"; Continues DOE-0451093-A . (Review has begun, but the December date is fictitious. --DS, 1/18/95) *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Los Alamos National Laboratory (DOE/LANL).

**DOE-070794-C** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-702935, 708206-708209. *Contents Description:* "DOE-RLOO III" (documents 702822-702935) & "Oak Ridge III" (documents 708206-708209); continues DOE-051094-A (RLOO = Richland Operations Office, DOE). *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-070894-A** 1 folder; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Materials provided in response to ACHRE request of 6/29/94, including sample AEC/Division of Biology and Medicine periodic progress report, a finding aid to the History Division collection of periodic progress reports, "..in the form of an inventory of the document classified at the Secret level..[the] inventory is structured so that it forms a complete folder title listing of the collection," and "an explanation of the History Division Secret document inventory form..". *Descriptors:* Classified Research; Experiments; Radiation--Ionizing; Records; Secrecy; Atomic Energy Commission (AEC): Division of Biology and Medicine; National Archives and Records Administration (NARA).

**DOE-070894-B** 1 folder; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Materials provided in response to ACHRE request of 6/29/94, including three AEC quarterly progress reports to the Joint Committee on Atomic Energy, finding aids to collections nos. 1172 and 1378 "in the form of inventories to the documents classified at the Secret level..[that] are structured so that they form a complete folder title listing of the collections..". *Descriptors:* Classified Research; Experiments; Records; Secrecy; Atomic Energy Commission (AEC); Congress.

**DOE-070894-C** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Materials provided in response to ACHRE request of 6/29/94, including "..copies of documents which my staff had made for the human radiation experiments project from the AEC secretary's files which are in the custody of the National Archives and Records Administration.". *Descriptors:* Experiments; Atomic Energy Commission (AEC); National Archives and Records Administration (NARA).

**DOE-071294-A** 2 documents; 0.01 cu.ft. *Source:* Mr. Cempley (Department of Energy). *Contents Description:* Fax Transmittal of Letter to Charles Dunham AEC, From David Z. Beckler Regarding Briefing For the Research & Development Board on the Results of Operation Greenhouse. Also attached is Remarks by General Cooney 6/8/51. *Descriptors:* Agency Histories; Experiments; Charles L. Dunham; James Cooney; Atomic Energy Commission (AEC): Division of Biology and Medicine.

**DOE-071394-A** 2 folders; 0.3 cu.ft.; inventory available. *Source:* Department of Energy, Office of Environment, Safety and Health. *Collection:* Some records from Joseph Hamilton collection. *Contents Description:* "This is in response to your request for two sets of the files on the 48 experiments not previously identified in the 1986 Markey report. Enclosed are partial sets of the files. We are working on completing the remaining files. Two sets will be made and forwarded to you as soon as they are completed." These experiments were announced at Secretary O'Leary's press conference on June 27, 1994 (DOE-062894-A; ). The current accession consists of records of 23 experiments contained in hard board folders, labelled by experiment number and name, and having affixed on the inside of the front folder leaf a description of the experiment. Continued by DOE-072194-A . *Descriptors:* Experiments; Federal Laboratories; Human Subjects; Radiation--Ionizing; Lawrence Livermore National Laboratory (DOE/LLNL); Los Alamos National Laboratory (DOE/LANL); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-071494-A** 2 folders; 0.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge Operations Office; NARA, Atlanta branch. *Contents Description:* ".a set of document collected by members of..[DOE's] staff during a visit to the Oak Ridge Operations Office and to the National Archives facility in Atlanta, Georgia. These documents are being processed through the Coordiantion and Information Center (CIC) in Nevada, but we are providing them to [you] directly in order to make them available sooner." The records contain redacted materials in yellow folders, but the redactions are ineffective, since the text may still be read. *Descriptors:* Experiments; Federal Laboratories; Human Subjects; Radiation--Ionizing; Records; National Archives and Records Administration (NARA); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-072094-A** 1 folder; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* "..one copy of all series descriptions to records collection containing documentation on human radiation experimentation that have been completed to date..[except] those to records collections in the custody of the Lawrence Berkeley Laboratory..[which are being] revised and expanded.." Some descriptions are incomplete or preliminary. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records.

**DOE-072094-B** 1 folder; 0.05 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Lawrence Berkeley Laboratory, Archives and Records Office. Department of Energy Human Radiation Experiment Records Search and Retrieval Project. Assistance Visit II, July 19-20, 1994. Packet 3. Records Series Descriptions Completed to Date. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; University of California - Berkeley (UCB): Radiation Laboratory.

**DOE-072194-A** 21 folders; 0.2 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Two sets of the files on the 48 experiments not previously identified in the 1986 Markey report. The current accession consists of records of 21 experiments contained in folders, labelled by experiment number and name, and having affixed on the inside of the front folder leaf a description of the experiment. Items in yellow folders are a privacy concern. Continues DOE -071394-A ; continued by DOE-103194-A . *Descriptors:* Experiments; Federal Laboratories; Human Subjects; Radiation--Ionizing; Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology; Lawrence Livermore National Laboratory (DOE/LLNL); Los Alamos National Laboratory (DOE/LANL); Tulane University; Vanderbilt University.

**DOE-072294-A** 4 boxes; 6 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.). CIC Doc. Nos. 702936-702940, 708210-708678. *Contents Description:* Four collections of human radiation records: (1) LANL IV; (2) Oak Ridge IV and Misc-94 (LANL/INEL); (3) LANL IV (part 2), LANL V, INEL II; (4) Los Alamos (Misc.) III. Continues DOE-051094-A . (Review has begun, but the December date is fictitious. --DS, 1/18/95) *Descriptors:* Experiments; Federal Laboratories; Human Subjects; Radiation--Ionizing; Idaho National Engineering Laboratory (DOE/INEL); Los Alamos National Laboratory (DOE/LANL); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-072294-B** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Human radiation experiments records search strategy and inventory plans and updates for DOE field sites, February-May 1994. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology; Idaho National Engineering Laboratory (DOE/INEL); Los Alamos National Laboratory (DOE/LANL); Oak Ridge National Laboratory (DOE/ORNL); Savannah River.

**DOE-072594-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Human Radiation Experiment Records Search & Retrieval Project Preliminary Survey; Interim Status Report. *Descriptors:* Department of Energy (DOE).

**DOE-072694-A** 1 box; 1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE History Division, Collection 1129. *Contents Description:* Minutes of the AEC Advisory Committee on Biology and Medicine, 1957-1973, and supporting papers. *Descriptors:* Experiments; Human

Subjects; Radiation--Ionizing; Atomic Energy Commission (AEC): Advisory Committee for Biology and Medicine.

**DOE-072694-B** 18 boxes; 12 cu.ft.; inventory available. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection. *Contents Description:* Joseph Hamilton Collection from Lawrence Berkeley Laboratory, University of California, Berkeley. "Dr. Joseph Gilvert Hamilton was a professor of medical physics and director of the William H. Crocker Radiation Laboratory, University of California, Berkeley, and professor of experimental medicine and radiobiology at the University of California School of Medicine, San Franscisco..He was one of the pioneers in the use of radioisotopes in the treatment of disease as well as the study of radionuclide metabolish in experimental animals and in man." (from the finding aid) The collection is accompanied by an extensive finding aid, but it is keyed to the microfilm from which this paper collection is an output. Each page is imprinted with a frame number. Some materials are being reviewed for possible declassification, and these are represented by red markers in the file. The contents description lists the page numbers for each box. Continues DOE-051094-A; supplemented by an addendum DOE-072694-C . *Descriptors:* Classified Research; Contract Laboratories; Experiments; Human Subjects; Radiation--Ionizing; Researchers; University Research; Joseph Hamilton; University of California - Berkeley (UCB): Radiation Laboratory; University of California - San Francisco (UCSF): Hospital.

**DOE-072694-C** 1 box; 0.8 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection. *Contents Description:* Addendum to Joseph Hamilton Collection (DOE-072694-B ). *Descriptors:* Classified Research; Contract Laboratories; Experiments; Human Subjects; Radiation--Ionizing; Researchers; University Research; Joseph Hamilton; University of California - Berkeley (UCB): Radiation Laboratory; University of California - San Francisco (UCSF): Hospital.

**DOE-072694-D** 1 box; 1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Inventories of records of the AEC Division of Military Applications in the collections of the History Division and the Assistant Secretary for Defense Programs. The inventories are by folder title, and documents are listed individually with classification indicated.experiment. *Descriptors:* Agency Histories; Radiation--Ionizing; Records; Weapons Research; Atomic Energy Commission (AEC).

**DOE-072694-E** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE History Division, Secretariat Files, US Atomic Energy Commission, Developmental Programs. *Contents Description:* "..unverified computer lists of..AEC Secretariat Files" in the custody of the DOE History Division. *Descriptors:* Guidelines/Regulations; Records; Meetings; Atomic Energy Commission (AEC).

**DOE-072894-A** 4 documents; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Los Alamos' Current List Of Documents Released Into their Public Reading Room & 3 Fact Sheets. *Descriptors:* Hymer Friedell; Patricia Durbin; Los Alamos National Laboratory (DOE/LANL).

**DOE-080194-A** 2 folders; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Roughly 300 letters received by the Office of Human Radiation Experiments Information Center from the public, regarding individuals involvement in possible human radiation experiments. *Descriptors:* Department of Energy (DOE).

**DOE-080394-A** 1 folder; 0.04 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Explanation Of Secret Document Inventory Form, Folder Listings: History Division-Division Biology & Medicine, EH Assistant Secretary For ES&H, AEC Division 1974 , ER-AEC, NARA. *Descriptors:* Agency Histories; Atomic Energy Commission (AEC); Department of Energy (DOE); National Archives and Records Administration (NARA).

**DOE-080394-B** 1 folder; 0.05 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Bimonthly Progress Reports Received From DOE Field Sites At the End Of June, Updates On Original Search Strategies and Records Inventory Reports-ORO . *Descriptors:* Agency Histories; Department of Energy (DOE); Oak Ridge Associated Universities (ORAU).

**DOE-081194-A** 1 folder; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Bibliography Of Material Released To the Public From Los Alamos On 8/1-8/8 DOE Reading Room Release Dates, Telegrams, 7/20/55 Progress Report. *Descriptors:* Agency Histories; Robert Oppenheimer; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-081294-A** 1 box; *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* AEC Division Of Committee Minutes, Medicine and Biology, Also includes memoranda and correspondence. *Descriptors:* Agency Histories; Atomic Energy Commission (AEC); Atomic Energy Commission

(AEC): Advisory Committee on Biology and Medicine.

**DOE-081594-A** 2 folders; 0.35 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Division of Biology and Medicine and Executive Secretariat. *Contents Description:* Documents retrieved by ACHRE staff during a review of the unclassified Division of Biology and Medicine and Executive Secretariat collections at the DOE History Division. Materials cover a range of topics which include human and animal experimentation, atomic testing, role of federal laboratories, and fallout. *Descriptors:* Animal Experimentation; Atomic Tests; Atomic Tests--Troop Participation; Beryllium; Bikini Atoll; Biological Effects; Children; Classified Research; Contract Laboratories; Contracts/Contractors; Experimental Methods; Fallout; Flash Blindness; Grants/Grantees; Guidelines/Regulations; Human Subjects; Law & Legal Issues; Marshall Islands; Medical Diagnosis; Medical Equipment; Medical Laboratories; Meetings; Monitoring; Nevada Test Site (Mercury Nevada); Occupational Guidelines; Occupational Health; Prisoners; Research--Nontherapeutic; Research--Therapeutic; Research Ethics; Teletherapy; Total Body Irradiation; Toxicity; University Research; Uranium Mining/Miners/Milling; Weapons Research; Austin Brues; Charles L. Dunham; G. Failla; Hymer Friedell; J. J. Nickson; Karl Morgan; Louis H. Hempelmann; Merrill Eisenbud; Paul C. Aebersold; Robert Conard; Robert Stone; Robley Evans; Shields Warren; Stafford Warren; Willard F. Libby; Wright Langham; Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Allocation and Distribution; Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Human Applications; Argonne National Laboratory (DOE/ANL); Atomic Bomb Casualty Commission (ABCC); Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL); Department of Health Education and Welfare (DHEW); Division of Biology and Medicine (AEC/DBM); Isotopes Branch (AEC); Joint Committee on Atomic Energy (Congress); Los Alamos National Laboratory (DOE/LANL); National Cancer Institute (PHS/NIH/NCI); National Institutes of Health (NIH); Naval Radiological Defense Laboratory (DOD/USN/NRDL); New York Operations Office (AEC/NYOO); Oak Ridge National Laboratory (DOE/ORNL); University of Chicago.

**DOE-081794-A** 2 binders; 0.01 cu.ft. *Source:* Office of Declassification (Department of Energy). *Contents Description:* 1 Book: Draft Public Guidelines To Department of Energy Classification of Information 6/27/94,1 Book: Drawing Back the Curtain of Secrecy, restricted Data Declassification Policy 1946 to the Present, 6/1/94. *Descriptors:* Guidelines/Regulations; Records; Department of Energy (DOE).

**DOE-082294-A** 2 documents; 0.01 cu.ft. *Source:* Department of Energy. *Contents Description:* Development of Nuclear Medicine By Paul C. Aebersold 3/19/56, University of California Radiation Laboratory Medical Applications of Radioactive Tracers By Joseph G. Hamilton 10/31/47. *Descriptors:* Agency Histories; Federal Laboratories; Methods and Techniques; Joseph Hamilton; Department of Energy (DOE); Oak Ridge Institute for Nuclear Studies (ORINS); University of California - Berkeley (UCB): Radiation Laboratory.

**DOE-082294-B** 4 boxes; 5 cu.ft.; inventory available. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294. *Contents Description:* Human radiation experiment documents from Richland Operations Office, Chicago Operations Office, Tulane University, Headquarters, Los Alamos National Laboratory, Oak Ridge National Laboratory, and Ottinger [?]. Continues DOE-051094-A . *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Los Alamos National Laboratory (DOE/LANL); Oak Ridge National Laboratory (DOE/ORNL); Tulane University.

**DOE-082294-C** 6 documents; 0.04 cu.ft. *Source:* Department of Energy. *Collection:* DNA 6025P. *Contents Description:* DNA 6025F: Shots Sugar and Uncle-Final Tests of the Buster-Jangle Series 11/19/51-11/29/51, DNA 6037F: Operation Redwing 1956 DNA 6023F: Operation Buster-Jangle 1951 DNA 6014F: Operation Upshot-Knothole 1953 DNA 6016F: Shot Simon; A Test of the Upshot-Knothole Series 4/25/53 DNA 6009F: Operation TeaPot 1955. *Descriptors:* Agency Histories; Department of Defense (DOD): Defense Nuclear Agency; Department of Energy (DOE).

**DOE-082494-A** 3 documents; 0.01 cu.ft. *Source:* Department of Energy. *Contents Description:* - Evaluation of medical surveillance provided to the marshallese by the Brookhaven National Laboratory (BNL) 7/26/94, Pgs. 34 - Review of medical findings in a Marshallese population twenty-six years after accidental exposure to radioactive fallout, 1/80, Pgs. 74 - Fallout: The Experiences of Medical Team In the Care of Marshallese Population Accidently Exposed to Fallout Radiation, Robert A. Conard, Informal Report, Pgs. 38experiment. *Descriptors:* Agency Histories; Marshall Islands; Department of Energy (DOE).

**DOE-082994-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* A report on the status of the missing files of the U.S. Atomic Energy Commission (AEC) division of intelligence. The report claims the intelligence files were largely destroyed during 1977-1981. Some fragments of the files may have survived but attempts to locate them have been unsuccessful. *Descriptors:* Agency Histories; Records; Atomic Energy Commission (AEC); Department of Energy (DOE).

*Sources and Documentation*

**DOE-083094-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Documents on the first and second Hanford I-131 field release test in 1962, 1963. Determination of possible hazards of releases of significant quantities of Iodine resulting from atmospheric bomb testing or from accidental releases from nuclear establishments. *Descriptors:* Agency Histories; Experimental Methods; Experiments.

**DOE-083194-A** 8 documents; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Listing From CIC That Translates Into Document Numbers, Oak Ridge Document Numbers, ORISE Information. Oak Ridge Memo 8/15/94, DOE Reading Room Records List. *Descriptors:* Department of Energy (DOE).

**DOE-090194-A** 8 documents; 0.8 cu.ft. *Source:* Department of Energy. *Contents Description:* Upshot-Knothole Series, Teapot, Redwing, Shots to Annie Ray, Shots Encore to Climax, Shot Simon, Shot Badger, Shot Ess Through Met & Shot Zucchini, Operation Redwing 1956, Shot Apple 2, A Test of the Teapot Series, Shot Bee, At Test of the Teapot Series. *Descriptors:* No descriptors.

**DOE-090294-A** 2 documents; 0.1 cu.ft. *Source:* Department of Energy. *Contents Description:* Two xeroxed copies of works on Isotopes: Isotope: A Three-Year Summary of Distribution With Extensive Bibliography 8/49 & Isotopes: An Eight-Year Summary of Distribution & Utilization, With Bibliography 3/55, Isotopes: Five Year Summary of Distribution With Extensive Bibliography. *Descriptors:* Agency Histories; Experimental Equipment; Experiments; Human Subjects; Scientific Data; Scientific Method; Total Body Irradiation; Department of Energy (DOE).

**DOE-090294-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Review of Public Health Service Aerial Evaluation Techniques Outline, 2/66, 14 Pgs. Describes equipment & methods. Gives sample analysis is accomplished in several sections. Some other topics are: Gross Alpha & Beta Calibration, Isotopes Which Are Normally Quantitated, Long Range Trajectory, Operating Limits. *Descriptors:* Equipment; Experiments; Radiation--Ionizing; Department of Energy (DOE).

**DOE-090294-C** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* University of Rochester, 5/22/45, Pages 21. Gives Terms of Contract, Construction Field Progress Report (Plot Plan). *Descriptors:* Contract Laboratories; Contracts/Contractors; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-090294-D** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Los Alamos National Laboratory & their report on status of Project Sunshine search. Sunshine Closeout. *Descriptors:* Experiments; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-090694-A** 19 documents; 0.01 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Contents Description:* Copied from Germantown. AEC minutes of meetings 1947 - 1955. Mentions Operations Buster - Jangle, Tumbler - Snapper, Savannah River Project, Castle, Upshot-Knothole. *Descriptors:* Radiological Warfare; Atomic Energy Commission (AEC); Department of Energy (DOE).

**DOE-090694-B** 6 documents; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* (1) 6/27/50 AEC meeting no. 443 list of participates.(2) From the minutes "Future Weapons Test" discusses Operation Greenhouse. Signed by Roy. B. Snapp, 8/16/50. (3) 8/7/50 AEC "Atomic Weapons Tests - letter from the Secretary of Defense," Discussing Possible Test Sites. (4) 8/4/50 Letter from Robert LeBaron to Gordon R. Dean Chairman AEC, Operation Greenhouse survey of test sites requested. (5) 8/1/50 Letter from Roy B. Snapp to Secretary of Defense (6) 7/31/94 Letter from Gordan Dean to the Secretary of Defense, Operation Greenhouse discussed, difficulties, importance of scientific data gained. *Descriptors:* Agency Histories; Experimental Equipment; Military Activities; Nuclear Rockets; Radiological Warfare; Secrecy; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Department of Defense (DOD).

**DOE-091394-A** 1 folder; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Research Projects Involving Human Subjects - Database Current Activities, FY 1994. Database Information, Summary Statistics, Site Summaries, Project Descriptions for Research Proposal Review Project. *Descriptors:* Department of Energy (DOE).

**DOE-091394-B** 1 document; 0.01 cu.ft. *Source:* Sheryl Lynn Pfeuffer (Department of Energy). *Contents Description:* Radiation doses for cloud samples and other samples at Kiwi - A1 Test, cloud samples and samplers Pre-Mission and Mission Badges. *Descriptors:* Agency Histories; Human Subjects; Marshall Islands; Records; Weapons Effectiveness; Weapons Research; Department of Energy (DOE).

**DOE-091494-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Richland's most recent index of releases of human experiments documents. As of 8/29/94. *Descriptors:* Agency Histories; Department of Energy (DOE).

**DOE-091694-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* Los Alamos National Laboratory Bi-Monthly Search Strategy report, 8/24/94, documentation of completion of search of autopsy tissue studies. Bibliography of LANL search. *Descriptors:* Agency Histories; Records; Los Alamos National Laboratory (DOE/LANL).

**DOE-091694-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL): Human Studies Project Team. *Collection:* LANL. *Contents Description:* Bayo Canyon (RALA) Closeouts (RALA= Radio Lanthanum), Bibliography of search to date, and future research strategies and proposals. *Descriptors:* Agency Histories; Records; Los Alamos National Laboratory (DOE/LANL).

**DOE-091994-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Human Studies Project Team Weekly Status Reports for August 29 to Sept. 2, 1994. *Descriptors:* Agency Histories; Records; Los Alamos National Laboratory (DOE/LANL).

**DOE-091994-B** 37 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Listing of Consent-related documents released by Los Alamos National Labs, circa 1946-1952. Correspondence, papers, and reports are present that cover plutonium injection, plutonium personnel protection, nuclear medicine, and current radiation safety standards. *Descriptors:* Agency Histories; Biological Effects; Consent; Consent Forms; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Plutonium Injections; Protection/Shielding; Radiation--Ionizing; Carroll Wilson; Charles L. Dunham; Shields Warren; Stafford Warren; Wright Langham; Los Alamos National Laboratory (DOE/LANL).

**DOE-092394-A** 1 folder; 0.05 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Lawrence Berkeley Lab. *Contents Description:* Lawrence Berkeley Lab records series descriptions, from the Federal Records Center in San Bruno California and the archives on site at the University. A selective collection of summary sheets of experiments conducted at the University since the early 40's to the present. Not all of the experiments have to do with human radiation experiments. *Descriptors:* Experiments; Human Subjects; Records; University Research; Lawrence Berkeley Laboratory (AEC/LBL).

**DOE-092694-A** 1 folder; 0.6 cu.ft.; inventory available. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* RG 326 - Division of Biology and Medicine. *Contents Description:* DBM files from 1947-1958 including contract records, reports, meeting minutes and various correspondence. Subjects include fallout, radioisotope distribution, cancer research, uranium miners, atomic veterans and the Marshallese. *Descriptors:* Agency Histories; Contracts/Contractors; Fallout; Grants/Grantees; Radiation--Ionizing; Thorium; Total Body Irradiation; University Research; Uranium Mining/Miners/Milling; Atomic Energy Commission (AEC); Department of Defense (DOD).

**DOE-092694-B** 18 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Contents Description:* Radiological Warfare documents. *Descriptors:* Radiological Warfare; David E. Lilienthal; Atomic Energy Commission (AEC).

**DOE-092894-A** 1 document; 0.05 cu.ft. *Source:* Department of Energy. *Contents Description:* Research Paper: Hewlett, Richard G., Nuclear Weapon Testing and Studies Related to Health Effects: An Historical Summary. Prepared for the Director of the National Institutes of Health. Oct. 1980, Draft VI. *Descriptors:* Agency Histories; Biological Effects; Experimental Methods; Experiments; Fallout; Fallout Countermeasures; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Department of Energy (DOE); Pacific Northwest Laboratories (Battelle/PNL).

**DOE-092894-B** 1 document; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge Operations Office. *Contents Description:* Copy of a report , "History of the Activites of the Manhattan District research Division, October 15, 1945-December 31, 1946.". *Descriptors:* Agency Histories; Records; Oak Ridge National Laboratory (DOE/ORNL); Department of Energy (DOE).

**DOE-093094-A** 1 box; 1 cu.ft. *Source:* Department of Energy, Division of Military Application: Germantown. *Collection:* RG 326. *Contents Description:* Atomic bomb test activities, fallout studies, organization charts, biomedical studies, budget info and proposals. 1 transcript of a 1956 ACBM special meeting. (35 documents were added from this accession to the Document Description Series.) *Descriptors:* Agency Histories; Fallout; Department of Energy (DOE).

**DOE-093094-B** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Folder File listings for various AEC records collections. List of Office Diaries Pertinent to AEC History, as of July 14, 1992. *Descriptors:* Agency Histories; Records; Division of Biology and Medicine (AEC/DBM); Division of Military Application (AEC/DMA); Department of Energy (DOE); Division of Biomedical and Environmental Research (AEC).

*Sources and Documentation*

**DOE-100694-A** 1 folder; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Summary description of documents recently released by Los Alamos National Laboratory (LANL). *Descriptors:* Agency Histories; Records; Los Alamos National Laboratory (DOE/LANL); Department of Energy (DOE).

**DOE-100794-A** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Search strategy and records inventory reports from DOE laboratories Human Test Subjects Report 9/30/94, Richland Operations Office Human Radiation Subject Report, 9/30/94, Idaho National Engineering Laboratory. *Descriptors:* Agency Histories; Records; Department of Energy (DOE).

**DOE-100794-B** 6 documents; 0.5 cu.ft. *Source:* Department of Energy, Office of International Security Affairs. *Collection:* DOE: Office of International Security Affairs. *Contents Description:* Folder Listings for some collections of Office of International Security Affairs records still at DOE Headquarters. *Descriptors:* Agency Histories; Records; Department of Energy (DOE).

**DOE-100794-C** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response of Los Alamos National Laboratory to ACHRE Staff questions of 9/1/94. *Descriptors:* Agency Histories; Interagency Bodies; Records; Los Alamos National Laboratory (DOE/LANL); Department of Energy (DOE).

**DOE-101194-A** 1 box; 1.2 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Renolds Electrical and Engineering Co. Inc. Coordination, 709407 - 709709, 712183 - 712215, 712216 - 712262, 712263 - 712299. *Contents Description:* DOE documents retrieved from NARA/Atlanta; Los Alamos National Laboratory (LANL) Collections XI, XII, XIII. *Descriptors:* Los Alamos National Laboratory (DOE/LANL); National Archives and Records Administration (NARA).

**DOE-101194-B** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Contents Description:* DOE-HQ VI - 710295-712179, DOE-HQ VII - 712180-712182, INEL III - 702991-702994, NIH - 702995-702999. (Document number CIC # 711754 was added to this accession by the REEC) *Descriptors:* Agency Histories; Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL); National Institutes of Health (NIH).

**DOE-101194-C** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Department of Energy, Sandia National Laboratory. *Contents Description:* 4 Volume set on Health Effects Models for Nuclear Power Plant Accident Consequence Anlaysis: Low LET Radiation (1989 - 1993). This report relied on a Radiation Health Effects Committee of Experts organized by Harvard. *Descriptors:* Agency Histories; Department of Energy (DOE).

**DOE-101394-A** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordinatin and Information Center (CIC). *Contents Description:* DOE-OAK IX, 712410 - 712478, DOE-MISC, 712479 - 712506, DOE-RLOO VI, 712507 - 712606 . (RLOO = Richland Operations Office) *Descriptors:* Agency Histories; Oak Ridge National Laboratory (DOE/ORNL); Department of Energy (DOE).

**DOE-101494-A** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* CIC Doc's # 712607-712766. *Contents Description:* DOE-RICH VII, 712607 - 712612, LOS ALAMOS XIV, 712613 - 712735, DOE-RICH VIII, 712736 - 712766. Documentation on Intentional releases at Hanford, are found in the DOE-RICH VIII range. Radiation Therapy Oncology Group experiments reports, grant applications , and with attached consent forms are found in the Los Alamos XIV range. Correspondence, summary reports, and experimental reports from Hanford are found in the DOE-Rich VII range. (Documents are derived from Richland Operation Office and some from Los Alamos.) *Descriptors:* Agency Histories; Consent Forms; Contract Laboratories; Contracts/Contractors; Experimental Methods; Experiments; Human Subjects; Intentional Releases; Privacy Act; Radiation--Ionizing; Records; Research--Therapeutic; Scientific Data; University Research; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-101494-B** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* CIC Doc #'s 712300 - 712409. *Contents Description:* DOE-OAK VI, 712300 - 712343, DOE-OAK VII, 712344 - 712384, DOE-OAK VIII, 712385 - 712409. Documents from the Oak Ridge collection, containing grants and contracts, correspondence, reports, and publications. An eclectic mix of documents from the 40's through the 80's. *Descriptors:* Agency Histories; Biological Effects; Consent Forms; Contracts/Contractors; Experiments; Grants/Grantees; Human Subjects; Meetings; University Research; Weapons Research; Department of Energy (DOE); Oak Ridge Associated Universities (ORAU); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-101794-A** 1 box; 1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* CIC Doc # 712767-713037. *Contents Description:* Los Alamos XV, 712767 - 712894, Washington State University, 712895, Los Alamos XVI , 712896 - 713008, Los Alamos XVII, 713009 - 713037. The Documents from Los Alamos regard the construction and experiments at the Pion Meson Radiation Therapy Clinic. Letters from people with incurable cancers inquire about the possible new treatment and volunteering to be experimented on. Documents

from Los Alamos are primarily from the early 1970's. From Washington State an Annual Report of the US Transuranium and Uranium Registries, 4/92-9/93. *Descriptors:* Agency Histories; Biological Effects; Consent Forms; Contracts/Contractors; Experimental Methods; Experiments; Grants/Grantees; Human Subjects; Medical Equipment; Medical Laboratories; Medical Therapies; Meetings; Privacy Act; Radiation--Ionizing; Research--Therapeutic; University Research; Charles L. Dunham; Wright Langham; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL); University of Washington.

**DOE-101794-B** 3 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge National Laboratory. *Contents Description:* Set of Series descriptions from Oak Ridge National Laboratory. This completes the MMES inventory except for the Paducah Site, the forms range from 94-024 to 94-040.. *Descriptors:* Agency Histories; Records; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-102094-A** 1 box; 1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* CIC Index printout of 700000 series. *Contents Description:* Printouts containing the Title Citations for the Human Radiation Experiments Records contained in the Coordination and Information Center (CIC). *Descriptors:* Records; Department of Energy (DOE).

**DOE-102094-B** 7 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* 7 documents of DOE FACTS. *Descriptors:* Agency Histories; Records; Department of Energy (DOE).

**DOE-102494-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. (Folio Views, read only format) *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC).

**DOE-102794-A** 1 document; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Printout for all Bayo Canyon documents recieved by the CIC, from Los Alamos. *Descriptors:* Agency Histories; Records; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-102994-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* "Guide To Archival Collections Relating To Radioactive Fallout From Nuclear Weapon Testing, 9/92.". *Descriptors:* Agency Histories; Department of Energy (DOE).

**DOE-103194-A** 4 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* 4 Experiments Responding to ACHRE Request # 101994-L. Experiment # 14, #17, #24, #37. Experiment #14: Decompression Sickness, Experiment #17: Technetium-99, Experiment #24: Studies On Human Exposure to Neutron Irradiation, Experiment # 37: Summary of Experiments. *Descriptors:* Agency Histories; Experiments; Lawrence Livermore National Laboratory (DOE/LLNL); Department of Energy (DOE).

**DOE-103194-B** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Los Alamos' recent bibliography of documents released to the public on 10/17 and 10/24. *Descriptors:* Agency Histories; Records; Department of Energy (DOE).

**DOE-110294-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Office of General Counsel Files, Forrestal Vault. *Contents Description:* This document discusses the present declassification activities of the DOE, it also describes the location of some documents the ACHRE has specifically been waiting for. *Descriptors:* Agency Histories; Records; Department of Energy (DOE).

**DOE-110294-B** 2 documents; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Martin Marietta Energy. *Contents Description:* These documents pertain to Summary Information on Martin Marietta Energy Systems Human Radiation Experiments. These summaries are from Oak Ridge and a short abstract and status of the search is given. *Descriptors:* Agency Histories; Experiments; Records; Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-110294-C** 1 document; 0.05 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* OHRE. *Contents Description:* Draft copies of histories of Argonne National Laboratories, Oak Ridge sites, Idaho National Engineering Laboratory, Hanford Sites, and Brookhaven National Laboratories. *Descriptors:* Agency Histories; Argonne National Laboratory (DOE/ANL); Brookhaven National Laboratory (DOE/BNL); Hanford Site (Richland Washington); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-110494-A** 10 binders; 4 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* ORISE records. *Contents Description:* Binders of ORISE records that relate to the DTPA Registry. They are titled DOE/ORISE DTPA program and Registry: (1) File 4 CO-Investigator Facilities Documentation Files: No. 1 - 6, (2) CO-Investigators' Annual Reports: No. 2, (3) Progress Reports to FDA 1965-1993. (4) File 5:

AEC/ERDA/DOE - Contractor DTPA Program. Business File, 1958 - 1993. (5) File 2: Co-Investigators' Annual Reports: No. 1. (Privacy Act materials) *Descriptors:* Agency Histories; Records; Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge Associated Universities (ORAU); Oak Ridge National Laboratory (DOE/ORNL); Department of Energy (DOE).

**DOE-110494-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Collection:* LANL; Directors Office. *Contents Description:* March 23, 1950 Memo to Harris Bradbury, Director, LANL from Jerome Maddy, Director Safety and Fire Protection Division re: Proposed Flight of B-17 to sample radioactivity from a RaLa test in Bayo Canyon. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Cloud Sampling; Fallout; Intentional Releases; Military Activities; Radiation--Ionizing; Releases of Radioactivity; Research--Nontherapeutic; Los Alamos National Laboratory (DOE/LANL).

**DOE-110594-A** 1 document; 0.02 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Contents Description:* Two excerpts from a Los Alamos Scientific Laboratory report, "Biological and Medical Research Group (H-4) of the Health Division - Semiannual Report July Through December 1960," Group Leader W. H. Langham, Contract W-7405-ENG. Excerpts: Body Sodium 24 Measurement for Personnel Monitoring and Casualty Assessment (E.R. Ballinger and P. S. Harris) pgs. 325-334 and Gamma and Neutron Dose Measurement of B-57 Sampler Aircrews during Kiwi-A Three Operation (E. R. Ballinger). *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Experiments; Fallout; Human Subjects; Methods and Techniques; Occupational Guidelines; Radiation--Ionizing; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; Wright Langham; Los Alamos National Laboratory (DOE/LANL).

**DOE-110594-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Contents Description:* Excepts related to RaLa tests in Bayo Canyon Los Alamos, from: Hoddeson, Lillian Critical Assembly: A Technical History of Los Alamos During the Oppenhiemer Years, 1943-1945 (Cambridge U.P.) Pages: 136-7, 148-154, 268-271, 326-327. *Descriptors:* Agency Histories; Atomic Tests; Experimental Methods; Experiments; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Scientific Method; Weapons Effectiveness; Weapons Research; Robert Oppenheimer; Los Alamos National Laboratory (DOE/LANL); Manhattan Engineer District (War/CE/MED).

**DOE-110894-A** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Contents Description:* Contains documents from: (1) LBL I (Lawrence Berkeley Laboratory Archives and Records Office), CIC 713038 - 713746. (2) UC San Francisco, CIC 713747 - 713750. (3) UC LBL - K. Scott, CIC 713751. (4) Bancroft Library E.O. Lawrence Collection, CIC 713752 - 713816. (Review has begun, but the December date is fictitious. --DS, 1/18/95) *Descriptors:* Agency Histories; Atomic Tests; Bikini Atoll; Biological Effects; Experimental Methods; Experiments; Fallout; Human Subjects; Interviews; Medical Therapies; Military Activities; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Research--Therapeutic; University Research; Weapons Effectiveness; Weapons Research; Robert Stone; Joseph Hamilton; Carroll Wilson; Lawrence Berkeley Laboratory (AEC/LBL); University of California - San Francisco (UCSF).

**DOE-110894-B** 25 documents; 0.5 cu.ft. *Source:* Roger Anders (Department of Energy). *Collection:* Forrestal Vault. *Contents Description:* These documents where obtained at the vault at DOE headquarters by ACHRE staff and pertain to contracts with Oak Ridge Labs. The contractors are Union Carbide, University of California, and the Associated Universities, Inc. The collection consists of contracts, modifications, supplemental agreements, proposals, and memo's and letters. *Descriptors:* Agency Histories; Biological Effects; Experiments; Records; Research--Nontherapeutic; Research--Therapeutic; Scientific Data; Scientific Method; University Research; Oak Ridge Associated Universities (ORAU); Oak Ridge National Laboratory (DOE/ORNL); Clinton Laboratory (War/CE/MED); University of California - Berkeley (UCB).

**DOE-110994-A** 1 document; 0.04 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* University of Rochester. *Contents Description:* Index of Reports and Publications by the University of Rochester Atomic Energy Project, for the AEC Research and Development division. *Descriptors:* Agency Histories; Experiments; Records; Atomic Energy Commission (AEC); Department of Energy (DOE); University of Rochester.

**DOE-110994-B** 1 folder; 0.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE Richland. *Contents Description:* Consent forms and miscellaneous personal information about the Oregon State Penitentiary inmates who volunteered to participate in experiments involving the irradiation of their testicles. The forms have been redacted for the Privacy Act. (This Document was updated on 11/16/94 (missing pages and unredacted documents were corrected). *Descriptors:* Consent; Consent Forms; Experiments; Human Subjects; Prisoners; Radiation--Ionizing; Research--Therapeutic; Volunteers; Oregon State Prison (Selon Oregon); Department of Energy (DOE).

**DOE-110994-C** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 1, November 3, 1994: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. (Folio Views, read only format) *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Energy Research and Development Administration (ERDA); Department of Energy (DOE).

**DOE-110994-D** 1 diskette *Source:* Department of Energy, Oak Ridge Operations Office (ORO). *Collection:* Oak Ridge Operations Reading Room collection. *Contents Description:* Electronic database file of "documents that have been sent ot the public reading room". (Diskette contains a zipped database file and the unzip file.) *Descriptors:* Radiation--Ionizing; Records; Public Access; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-111694-A** 5 documents; 0.09 cu.ft.1 video tape *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos/OHRE. *Contents Description:* (1) Videotape from Los Alamos National Laboratory, "Techniques of Nuclear Cloud Sampling," April 1966. (2) 4925 th Test Group (Atomic). Operational Summary Report, "TEAPOT Spring 1955." AFSWP. (3) Operation TEAPOT. February - May 1955, Project 2.8a "Contact Radiation Hazard Associated with Contaminated Aircraft," Headquarters Field Command, AFSWP Sandia Base, Albuquerque, NM. (4) Same as above, Project 5.1 "Destructive Loads on Aircraft in Flight." (5) Correspondence concerning dose levels of personnel during TEAPOT project 2.8. (6) Operation TEAPOT, "Manned Penetrations of Atomic Clouds Project 2.8b," April 30, 1958. prepared for the Director of DNA. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Cloud Sampling; Experiments; Fallout; Human Subjects; Medical Diagnosis; Military Activities; Nevada Test Site (Mercury Nevada); Radiation--Ionizing; Radiological Warfare; Scientific Data; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Armed Forces Special Weapons Project (DOD/AFSWP); Atomic Energy Commission (AEC); Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOE-111794-A** 3 documents; 0.2 cu.ft.3 audio tapes *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Two printouts of the CIC index, one search for backup materials of the Markey experiments the other for PNL documents for ethics policies and practices. The third document is a copy of reading room reports relating to "Green Run." According to the CIC as of 11/18/94 ACHRE has received all of these documents listed on the printouts. Also an oral interview of a former Hanford employee, a Dr. William J. Bair, is included. This interview represents the only DOE oral history of the Hanford operation to date. *Descriptors:* Records; Interviews; Department of Energy (DOE).

**DOE-112094-A** 2 folders; 0.7 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Collection of documents pertaining to the Hanford school children experiment called "Diet Sampling Program," conducted by Battelle-Northwest. The documents describe having Hanford school children keep diaries of their food intake Children then would be measured in a counter located in a van in order to measure food intake of fallout radiation. The collection includes consent forms (not signed by a legal guardian), manuals titled "Handbook for Serving Size Evaluation," and journal articles pertaining to the study. *Descriptors:* Children; Consent Forms; Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Scientific Method; Battelle Memorial Institute (Battelle); Department of Energy (DOE).

**DOE-112094-B** 2 documents; 0.01 cu.ft. *Source:* Department of Energy. *Collection:* State of Oregon. *Contents Description:* Accession date and source are estimated. To the best of Steve Klaidman's recollection, the documents were provided by the Department of Energy around the time of the Spokane Public Meeting. Documents include a memorandum from A.E. Reed, Administrator of Corrections Division to Supt. H.C. Cupp, re. Medical Research Programs, 01/30/73 and a memo from L. Hicks of the Executive Dept. to J.N. Peet, Secretary, Board of Control, regarding prisoner consent, 12/20/63. *Descriptors:* Consent; Ethical Standards; Experimental Methods; Human Subjects; Informed Consent; Prisoners; Oregon State Prison (Selon Oregon).

**DOE-112194-A** 2 documents; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Experiment description of Project Sunshine, dated 8/22/94, and a map of Oak Ridge Tennessee. *Descriptors:* Agency Histories; Experiments; Oak Ridge National Laboratory (DOE/ORNL); Department of Energy (DOE).

**DOE-112194-B** 1 document; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Lawrence Berkeley Laboratory. *Contents Description:* A status report of the location, amount, and brief description of the contents of requested California documents. The report covers all the requested items: Records of the UC Human Use Committee 1948-?, Records of the Cancer Research Committee and Cancer Research Sectional and Coordinating Committee 1947-1955, Records of Contract 10 Project 2, Patient records of Cal-A and Cal-Z, Records of Donner Lab (Metabolic Unit Cowell Hospital), records on the Hutchinson Committee, John Lawrence's 1949 Experiments at San Quentin, Papers of Dean Smith of UCSF, Papers of Hardin Jones, Papers of

Cornelius Tobias, Biomedical Research in UCRL Reports, and Records of Robert Stone's Teletherapy. *Descriptors:* Records; Lawrence Berkeley Laboratory (AEC/LBL); Lawrence Livermore National Laboratory (DOE/LLNL); University of California - San Francisco (UCSF); University of California - Berkeley (UCB).

**DOE-112194-C** 5 documents; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* Two Fact Sheets from LANL Human Studies Project Team, 10/6/94; one discusses Support for Project Sunshine the other human volunteers. Two lists of documents released to the CRR, 10/17/94 and 10/11/94. Statement of Michael S. Yesley of LANL before ACHRE 10/12/94. *Descriptors:* Agency Histories; Biological Effects; Consent; Experiments; Fallout; Human Subjects; Informed Consent; Occupational Health; Protection/Shielding; Radiation--Ionizing; Records; Research--Nontherapeutic; Volunteers; Los Alamos National Laboratory (DOE/LANL).

**DOE-112194-D** 24 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Oak Ridge Area. *Contents Description:* Documents ACHRE staff Brought back from DOE. Set of documents provided by ORNL on 11/16 on current budgetary practice with human studies components. ORNL old phone book copied to establish laboratory organization in 1947. Documents from DOE OR Ops Vault. Set of documents provided by ORINS / ORAU / ORISE on 11/18 as a set to documents the evolution of consent forms at the research hospital unit. Documents received from ORNL on 11/16 as a set of records relating to a single experimental proposal. *Descriptors:* Experiments; Human Subjects; Informed Consent; Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-112194-E** 3 documents; 0.07 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos national labs. *Contents Description:* Two documents regarding "one-point" detonations and a third concerning tissue studies. 1. Langham, W.H., Harris, P.S., Shipman, T.L. Plutonium Dispersal by Accidental or Experimental Low-Order Detonation of Atomic Weapons; LA-1981 Revised February 1966. 2. Lore Watt KRSN, Los Alamos Radio Station KRSN News Release Tissue Analysis Program at LANL September 22, 1980. 3. Langham, W.H., Harris, P.S., Shipman, T.L. Plutonium Hazards Created by Accidental of Experimental Low-Order Detonation of Atomic Weapons, LA-1981 December 1955. *Descriptors:* Atomic Tests; Biological Effects; Fallout; Fallout Countermeasures; Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Wright Langham; Los Alamos National Laboratory (DOE/LANL).

**DOE-112194-F** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* No CIC #'s. *Contents Description:* Document entitled "Environmental effects of the Kiwi-TNT Effluent: A Review and Evaluation.". *Descriptors:* Radiological Warfare; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-112294-A** 4 documents; 0.4 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos. *Contents Description:* (1) A collection of Los Alamos document release forms since Sept. 12, 1994. (2) Memo 3/23/50: from James Maddy to Norris Bradbury, re: Proposed Flight of B-17 Over Los Alamos Area With Attached Press Release. (3) Experiment Notebook 8/11/61 - 3/26/62: by C. C. Lushbaugh. (one redacted and one unredacted copy). *Descriptors:* Agency Histories; Biological Effects; Cloud Sampling; Experimental Methods; Experiments; Fallout; Human Subjects; Radiation--Ionizing; Records; C. C. Lushbaugh; Los Alamos National Laboratory (DOE/LANL).

**DOE-112294-B** 1 document; 0.2 cu.ft. *Source:* Department of Energy, Oak Ridge National Laboratory (ORNL). *Contents Description:* An Inventory to the unclassified and declassified collections in the custody of the Lab Records Office at Oak Ridge National Laboratory. *Descriptors:* Records; Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-112894-A** 1 document; 10 fiche ; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Hanford Life Sciences Symposia. *Contents Description:* Proceedings of the Hanford Annual Symposiums on Radiation Biology. Ten of these are given on Microfiche and are listed in the accession contents. The summary sheet also lists other experiments that are readily available through public means. *Descriptors:* Experimental Methods; Experiments; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-112994-A** 5 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* CIC sent an Oak Ridge report index which lists the title, year, pages, and CIC number (this index is derived from a keyword search of the CIC index using "Oak Ridge" and "report"). Also a report labeled "Chronological Listing of Radiation Research Involving Human Subjects and Deliberate Environmental Releases at the Sites Currently Managed for the DOE by Martin Marietta Energy Systems, Inc." The Final Oak Ridge Hospital Annual Report and a Patients information package dated 10/28/52. *Descriptors:* Agency Histories; Medical

Therapies; Radiation--Ionizing; Records; Research--Therapeutic; Oak Ridge Institute for Nuclear Studies (ORINS); Atomic Energy Commission (AEC); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-112994-B** 4 documents; 0.06 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* List describing location of articles requested by ACHRE in the 102594-ZI request. Also contents and preface to Roetgens, Rads, and Riddles: A Symposium on Superboltage Radiation Therapy, Prepared by Oak Ridge Labs. *Descriptors:* Agency Histories; Records; Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL) .

**DOE-112994-C** 1 document; 0.06 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* List and abstract of material released on 11/9/94 to the public reading room at Oak Ridge. *Descriptors:* Agency Histories; Records; Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL) .

**DOE-112994-D** 1 document; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Bibliographic database search for names of potential interest in relation to human experiments, by the Lawrence Berkeley Laboratory. *Descriptors:* Agency Histories; Records; Department of Energy (DOE); Lawrence Berkeley Laboratory (AEC/LBL).

**DOE-113094-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 2, November 30, 1994: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. (Folio Views, read only format) *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Energy Research and Development Administration (ERDA); Department of Energy (DOE).

**DOE-113094-B** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Department of Energy, Oak Ridge Operations Office (ORO). *Contents Description:* Documents from Oak Ridge, includes some reports, correspondence. See contents for inventory. Some documents mention University of California Berkeley, University of Chicago and Clinton Laboratory. Binder is Radiation Research *Collection:* Composite Guide. *Descriptors:* Biological Effects; Contract Laboratories; Human Subjects; Medical Records; Total Body Irradiation; Stafford Warren; Oak Ridge Associated Universities (ORAU); Department of Energy (DOE).

**DOE-113094-C** 2 binders; 0.3 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Lawrence Berkeley Laboratory. *Contents Description:* Collection of University of California School of Medicine San Francisco, The Radiological Laboratory, progress and annual reports from 1950 to 1961. *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Medical Diagnosis; Medical Equipment; Medical Therapies; Protection/Shielding; Radiation--Ionizing; Reactors; Scientific Data; Scientific Equipment; Scientific Method; Atomic Energy Commission (AEC); University of California - San Francisco (UCSF); University of California - San Francisco (UCSF): Hospital.

**DOE-120194-A** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Idaho National Engineering Laboratory. *Contents Description:* The most recent version of the Idaho National Engineering Laboratory (INEL) series description. *Descriptors:* Records; Idaho National Engineering Laboratory (DOE/INEL).

**DOE-120194-B** 7 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* OHRE. *Contents Description:* Documents regarding Boron Neutron Capture Therapy (BNCT), from Brookhaven Laboratory. 1. Slatkin, Daniel. "A History of Boron Neutron Capture Therapy of Brain Tumors: Postulation of A Brain Radiation Dose Tolerance Limit." Brain vol. 114, 1601-1629. (1991). 2. Brookhaven National Laboratory "Quarterly Progress Report" January -March of 1954 CIC # 702566, July - September 1956 CIC # 702573, and October-December 1957 CIC # 702578. 3. Bulletin of the Medical Department July 1, 1959. Brookhaven National Laboratory Associated Universities, Inc. under contract with the USAEC. CIC # 702581. 4. Newspaper article titled "Boron Neutron Capture Therapy: Clinical Trials Under Way." 5. Lear, John "Atomic Miracle: Science Explodes an Atom in a Woman's Brain," Collier's. April 21, 1951. *Descriptors:* Medical Equipment; Medical Laboratories; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; University Research; Brookhaven National Laboratory (DOE/BNL); Department of Energy (DOE).

**DOE-120194-C** 1 document; 0.07 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* LANL. *Contents Description:* Report: Pinson, Ernest; Kaericher, Kermit C; Banks, James E.; and Hord, John. Operation Redwing-Project 2.66A "Early Cloud Penetrations." Extracted Version, 2/24/60. WT-1320. Gives dose rates of aircraft and crew at different altitudes and times, discusses procedure and instrumentation of flight. . *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Cloud Sampling; Experiments; Fallout; Human Subjects; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Air Force Special Weapons

Center (AFSWC/USAF); Air Force (DOD/USAF); Defense Nuclear Agency (DOD/DNA); Department of Defense (DOD).

**DOE-120194-D** 1 box; 2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Richlands Operations Office. *Contents Description:* Collection of documents from the Richland Operation Office of the DOE regarding the prisoner experiments in Oregon and Washington. Documents cover: correspondence between researchers and Battelle-Northwest and Pacific-Northwest Research Foundation, organizational charts of this AEC project, material from the plaintiffs lawyers, and series descriptions of DOE Richlands files pertaining to this subject. (plus much more). *Descriptors:* Consent; Experimental Methods; Experiments; Human Subjects; Law & Legal Issues; Prisoners; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Method; Spermatogenesis; Volunteers; Atomic Energy Commission (AEC); Hanford Site (Richland Washington); Oregon State Prison (Selon Oregon); Washington State Prison (Walla Walla).

**DOE-120294-A** 6 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Richland. *Contents Description:* Most recent version of the Richland Series Description. *Descriptors:* Records; Hanford Site (Richland Washington); Department of Energy (DOE).

**DOE-120294-B** 3 folders; 1.5 cu.ft. *Source:* Department of Energy, Oak Ridge National Laboratory (ORNL). *Collection:* ORNL. *Contents Description:* Material requested from ACHRE site visit: (1)Database listing of all ORNL Central Files Report (1940-1950). (2)Division Histories and ORNL history requested through DOE/HQ. (3)Early organizational charts of ORNL. (4)Central Files reports: 63-5-4, 47-10-350, 51-4-14, 55-3-5, 54-3-4, and 56-3-5 . (5)Journal Articles: Bernard, S.R.; Fish B.R.; Royster, G.O.; Farabee, L.B.; and Brown, P.E. " Human Thyroid Uptake and Bodily Elimination of I 131 for the Case of Single and Continual Ingestion of Bound Iodine in Resin-Treated Milk." 'Heath and Physics' Pergamon Press 1963, vol. 9 1963. Bernhard, S.R.; Muir J.R.; and Royster, G.W. "The Distribution and Excretion of Uranium in Man." 'Proceedings of the Health Physics Society,' June 1956. *Descriptors:* Agency Histories; Contracts/Contractors; Experimental Equipment; Experimental Methods; Experiments; Grants/Grantees; Radiation--Ionizing; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-120294-C** 2 folders; 0.3 cu.ft.; inventory available. *Source:* Department of Energy, Reynolds Electrical & Engineering Co.; Inc. (contractor). *Collection:* DOE - HQ VIII, CIC #'s 714594-714661. *Contents Description:* CIC number range 714594 - 714661, Bate range 3003242 - 3003721. Includes some University of California Documents. Contains reports, correspondence, and contracts. *Descriptors:* Experiments; Grants/Grantees; Guidelines/Regulations; Human Subjects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; University Research; David E. Lilienthal; Department of Energy (DOE); University of California - Berkeley (UCB).

**DOE-120294-D** 1 folder; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Medical Department BNL Associated Universities, Inc. *Contents Description:* Set of Synopsis By Protocol of Human Radiation Experiments at Brookhaven National Laboratory for 1/20/50 - 12/31/83. (Please note that no protocol exists for the Boron Neutron Capture Therapy Experiment (from deposit correspondence).) *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Records; Research--Therapeutic; Brookhaven National Laboratory (DOE/BNL); Department of Energy (DOE).

**DOE-120294-E** 2 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Two bibliographical lists of documents authored by Cornelius Tobias located at various DOE California Sites. *Descriptors:* Records; Department of Energy (DOE).

**DOE-120594-A** 10 documents; 0.8 cu.ft. *Source:* Department of Energy, Idaho National Engineering Laboratory (INEL). *Collection:* INEL Public Reading Room University Place Idaho Falls, Idaho. *Contents Description:* Ten reports (listed in accession contents) from the public reading room at Idaho National Engineering Laboratory; regarding releases of radioactivity during experiments related to the Nuclear Aircraft Propulsion program. (Documents requested by ACHRE staff member Dr. Mark Goodman.) *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Federal Laboratories; Radiation--Ionizing; Releases of Radioactivity; Research--Nontherapeutic; Scientific Data; Scientific Method; Idaho National Engineering Laboratory (DOE/INEL).

**DOE-120594-B** 2 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* DOE status on the request sent out on November 2, 1994. Also, a contract dated 9/12/46. W-31-109-eng-38 titled Research and Development Contract for the Establishment, management and operation of Argonne National Laboratory. Contracted to the University of Chicago. *Descriptors:* Contracts/Contractors; Federal Laboratories; Guidelines/Regulations; Occupational Guidelines; Secrecy; Argonne National Laboratory (DOE/ANL); War Department (War).

**DOE-120594-C** 2 boxes; 3 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Documents requested from the Idaho National Engineering Laboratory; includes organizational charts, annual reports of the Health Services Laboratory 1960,1968-1971, SNAPTRAN tests reports, and SPERT tests. See accession contents for a document by document bibliography. Response to Request

#102694B through O. (IDO-12037, IDO-12033, IDO-12063 were located in the ACHRE document collection and are included in this accession.) *Descriptors:* Federal Laboratories; Guidelines/Regulations; Occupational Guidelines; Radiation--Ionizing; Records; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; Idaho National Engineering Laboratory (DOE/INEL).

**DOE-120594-D** 1 document; 0.03 cu.ft. *Source:* Department of Energy, Office of Declassification. *Contents Description:* Report of the Committee on Declassification to Major General L.R. Groves, Nov. 17, 1945. Known as the Tolman Committee report, this 17 page report recommended declassification policy for Manhattan Project records, including all medical information. Also on the committee were Bacher, E. Lawrence, Oppenheimer, Spedding and Urey. *Descriptors:* Disclosure; Secrecy; Leslie Groves; Robert Oppenheimer; Manhattan Engineer District (War/CE/MED).

**DOE-120694-A** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Hanford National Laboratory. *Contents Description:* Documents from Hanford National Laboratory that are going to be released to the DOE Reading Room. *Descriptors:* Public Access; Department of Energy (DOE).

**DOE-120694-B** 1 folder; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to request for Data Gathering Involving Children. Document index of PNL Series 016 is not available. DOE News Release dated 11/17/94, list of published articles with CIC #'s, news articles, 5 summaries of documents from Battelle and printout list of CIC #'s. *Descriptors:* Vulnerable Populations; Department of Energy (DOE).

**DOE-120694-C** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Brookhaven National Laboratory. *Collection:* Brookhaven National Laboratory reading room. *Contents Description:* Index or series description of documents recovered at Brookhaven National Laboratory as of 12/6/94. *Descriptors:* Records; Brookhaven National Laboratory (DOE/BNL); Department of Energy (DOE).

**DOE-120694-D** 2 documents; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* Los Alamos National Laboratory Series Description as of 12/1/94. *Descriptors:* Records; Los Alamos National Laboratory (DOE/LANL).

**DOE-120694-E** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge Operations. *Contents Description:* Index to contracts in the Oak ridge Operations Record Holding Area. *Descriptors:* Contracts/Contractors; Department of Energy (DOE).

**DOE-120794-A** 2 binders; 0.4 cu.ft.; inventory available. *Source:* Department of Energy, Oak Ridge Institute for Science and Education (ORISE). *Collection:* ORINS. *Contents Description:* 2 binders that includes ORINS progress reports. Response to ACHRE request 110294-A. *Descriptors:* Records; Oak Ridge Institute for Nuclear Studies (ORINS).

**DOE-120794-B** 2 documents; 0.09 cu.ft. *Source:* Department of Energy, Office of Independent Internal Assessment. *Collection:* Lawrence Livermore National Laboratory. *Contents Description:* An index of identified whole body counter experiments at the Harwell U.K. site, gives date exposed-measured, uptake mode, subject code, and initial radio activity content. Also a report by the LLNL Human Subjects Task Force, "Lawrence Livermore National Laboratory Review of Experiments Involving Human Subjects Record Search Strategy and Inventory Plan, April 7, 1994. *Descriptors:* Atomic Tests; Experimental Methods; Experiments; Fallout; Radiation--Ionizing; Records; Releases of Radioactivity; Research--Nontherapeutic; Total Body Irradiation; Lawrence Livermore National Laboratory (DOE/LLNL).

**DOE-120794-C** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* CIC 19647, 19648, 41826 No bate #'s. *Contents Description:* ORINS annual reports: ORINS Medical Division Research Report For 1963, Cost of Radiation In Hospitals no date, AEC Annual Progress Report, January 1 - December 31, 1969. AEC Annual Progress Report, January 1 - December 31, 1970, AEC Progress Report January 1 - December 31, 1968. *Descriptors:* Agency Histories; Records; Oak Ridge Institute for Nuclear Studies (ORINS).

**DOE-120894-A** 4 documents; 0.05 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge. *Contents Description:* Four supplemental reports from Oak Ridge: 1. Chapter Excerpt: Gould A. Andrews, M.D. and Ralph M. Kniseley, M.D. "Patologic Changes Produced in the Thyroid By I-131." Chapter 27 'Isotopes in Medicine.' pgs. 400-409. 2. Report: United States Atomic Energy Commission Division of Technical Information. "The Proceedings of a Symposium on Dose Rate In Mammalian Radiation Biology." Agricultural Research Laboratory Oak Ridge, Tennessee, April 29- May 1, 1968. 23 pgs. 3. Report: C. M. West. "Proceedings of the 12th Annual Bio-Assay and Analytical Chemistry Meeting." Gatlinburg, Tennessee, Union Carbide Corp. June 6, 1967.4. Book Excerpt: R.L. Hayes 'Radioisotopes of Gallium.' Gould A. Andrews, M.D., Ralph M. Kniseley, and Henry N. Wagner. "Radioactive Pharmaceuticals." Proceeding of a symposium held at

the Oak Ridge Institute of Nuclear Studies. Chapter 33. April 1966. pgs. 603-618. *Descriptors:* Ethical Guidelines; Ethics; Experiments; Federal Laboratories; Human Subjects; Informed Consent; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Method; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-120894-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* List of identified experiments sent to ORAU by ACHRE (in the hopes of receiving supporting information for each experiment in hard copy), received same list back with CIC and Bate number ranges, stating that all the documents are already in the possession of ACHRE. *Descriptors:* Records; Oak Ridge Associated Universities (ORAU).

**DOE-120894-C** 1 binder; 0.8 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory Human Studies Project Team. *Contents Description:* A collection of Bibliographies, consent forms, and sample documents from the Los Alamos National Laboratories. The bibliographies cover: tracer studies, radioiodine, plutonium, tissue analysis, pion radiotherapy, bayo Canyon/Rala, and Project Sunshine documents. The collection of consent forms come from the Los Alamos Medical Center and are titled "Authority for Autopsy" and "Transuranium Registries." List of departments and employees from the D and J Divisions. Bibliography and sample documents for the Biomedical Test Screening and Planning Committee. Proceedings of the Second Annual Meeting on Bio-Assay and Analytical Chemistry-October 11-12 1956. *Descriptors:* Atomic Tests; Consent; Consent Forms; Experimental Methods; Experiments; Human Subjects; Medical Therapies; Radiation--Ionizing; Records; Research--Therapeutic; Telemetry; Total Body Irradiation; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-120894-D** 2 audio tapes *Source:* Marisa Caputo (Department of Energy). *Contents Description:* Interview audiotape with Jack Healy dated 11/28/94. (Final Report, Chapter 7, Cite #1) *Descriptors:* Interviews; Department of Energy (DOE).

**DOE-120894-E** 1 box; 2 cu.ft. *Source:* Department of Energy, Oak Ridge Operations Office (ORO). *Collection:* Oak Ridge Operations DOE-HQ. *Contents Description:* Oak Ridge documents retrieved by ACHRE staff at a site visit. This selective collection of documents covers a wide range of subjects related to the Oak Ridge reservation. *Descriptors:* Radiation--Ionizing; Records; Atomic Energy Commission (AEC); Manhattan Engineer District (War/CE/MED).

**DOE-120994-A** 1 box; 1.7 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* NARA Washington CIC # 714353-714456, DOE-OAK IX 714662-714727. *Contents Description:* From CIC collections NARA Washington DC-I CIC# 714353-714456, and DOE-OAK IX CIC#714662-714727. The documents from Oak-Ridge generally pertain to contracts with universities and individuals for various experiments involving therapeutic radiation treatments; i.e. "The Effect of Ionizing Radiation on the Central Nervous Center," by C.D. Van Cleave and contract no. AT-(40-1)-2165 "A Study of Ion Transport Across Smooth Muscle Cell Membrane." There is also a history of the activities of the Manhattan District Research Division dated 1945 - 46. Several documents from the 1960's address the Cancer Center in Puerto Rico sponsored by the AEC with correspondence about acceptable levels of TBI. Finally the bulk of the Oak Ridge section is made up of budget review and operating costs data from 1949-56. The other section titled NARA-Washington contains contract information with various universities; i.e. Baylor and Medical College of Georgia. Also more documents from the Manhattan medical research division, which discuss acceptable levels of occupational exposure. *Descriptors:* Agency Histories; Biological Effects; Contracts/Contractors; Guidelines/Regulations; Human Subjects; Medical Therapies; Occupational Guidelines; Occupational Health; Ore Alloy; Product; Tube Alloy; University Research; C. C. Lushbaugh; Hymer Friedell; Paul C. Aebersold; Robert Stone; Robert Oppenheimer; Argonne National Laboratory (DOE/ANL); Baylor University; Clinton Laboratory (War/CE/MED); Manhattan Engineer District (War/CE/MED); University of California - Berkeley (UCB); War Department (War).

**DOE-120994-B** 4 boxes; 7 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* LANL XXI 714576-714582; 714583-714587(Lushbaugh Notebooks), NARA Atlanta II, 713817-714352, LANL 714457-714543 (Pions), LANL XIX 714544-714550, LANL XXII 714588-714590, LANL XXIII 714591-714593. *Contents Description:* Documents sent from Atlanta NARA and Las Alamos National Laboratory, included are notebooks from Dr. Lushbaugh and material on pion radiation. *Descriptors:* Atomic Tests; Biological Effects; Experimental Methods; Experiments; Federal Laboratories; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Method; University Research; C. C. Lushbaugh; Wright Langham; Atomic Energy Commission (AEC); Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL); Oak Ridge National Laboratory (DOE/ORNL); University of California - Berkeley (UCB).

**DOE-121294-A** 12 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Lawrence Livermore National Laboratory: Human Subjects Task Force. *Collection:* Lawrence Livermore National Laboratoy. *Contents*

*Description:* This accession is split into two parts the first contains reports and articles pertaining to radioactive tracing of nitrogen in diver's bodies, done during the 1980's at LLNL. Activity reports on the inhalation of radioactive materials comprise the second selection of documents. *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; Total Body Irradiation; Lawrence Livermore National Laboratory (DOE/LLNL); Navy (DOD/USN).

**DOE-121294-B** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Lawrence Berkeley Laboratory, LBL II CIC # 714739-715818, LBL III CIC # 715819-715842. *Contents Description:* Contains documents titled LBL II (714739-715818) and LBL III (715819-715842). *Descriptors:* Lawrence Berkeley Laboratory (AEC/LBL).

**DOE-121294-C** 2 documents; 0.03 cu.ft. *Source:* Department of Energy, Office of Declassification. *Contents Description:* 1. May 26, 1947 pg. memo from H.A. Fidler to Carroll L. Wilson, AEC General Manager on Declassification Policy. This memo recommends continuation of the Nov. 17, 1945 Tolman Committee report on declassification, with two additional statements. 2. June 23, 1947 1 page memo form Wilson to Fidler informing him of AEC approval of May 26 recommendation, with one change. *Descriptors:* Disclosure; Secrecy; .

**DOE-121294-D** 3 boxes; 3 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Supporting materials from 1970's Plutonium Investigation. No CIC #'s. Series Description and contents, minus the medical files, for the records series entitled, US AEC, division of Biology and Medicine, Plutonium Injection Investigation Files. These files represent the files created by the AEC investigators during their 1974 investigations by both Patricia Durbin's and Robert Rowland's Follow-up in 1972, and of the circumstances surrounding the injections which took place from 1945 to 1947. Many of these documents have already been entered into the CIC database. *Descriptors:* Plutonium Injections; Department of Energy (DOE).

**DOE-121394-A** 1 binder; 0.3 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* James L. Liverman, "Final Environmental Impact Statement, Nevada Test Site." Energy Research and Development Administration, Nye County, Nevada; September 1977. *Descriptors:* Atomic Tests; Biological Effects; Radiation--Ionizing; Releases of Radioactivity; Scientific Data; Scientific Method; Los Alamos National Laboratory (DOE/LANL).

**DOE-121394-B** 2 folders; 1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Brookhaven National Laboratory, bate no. 4001377-4002268. *Contents Description:* Journal articles, contracts, reports, and correspondence from the early 50's concerning Boron Nuetron capture therapy at Brookhaven National Laboratory. *Descriptors:* Contracts/Contractors; Experimental Equipment; Experimental Methods; Experiments; Federal Laboratories; Human Subjects; Medical Equipment; Medical Therapies; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Equipment; Scientific Method; Brookhaven National Laboratory (DOE/BNL).

**DOE-121494-A** 14 documents; 0.3 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Last set of bimonthly reports DOE has received from their sites, i.e. Los Alamos, Battelle, Argonne, and Idaho. *Descriptors:* Records; Argonne National Laboratory (DOE/ANL); Los Alamos National Laboratory (DOE/LANL); Battelle Memorial Institute (Battelle); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-121494-B** 3 documents; 0.3 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to Request 101994-G. 1. PNWD-2129 HEDR, List of currently classified documents relative to Hanford Prodcuction Facilities Operations Originated on the Hanford Site Between 1961 and 1972 dated 4/93. 2. PNWD-2024 HEDR, Declassifications Requested By the Technical Steering Panel of Hanford Documents Produced 1944-1960, dated 9/92. 3. PNL-10238, Hanford Site Originated Documents, 1944-1960, secret and Confidential, dated 4/90. (This listing was generated by the Technical Library). *Descriptors:* Classified Research; Records; Hanford Site (Richland Washington).

**DOE-121494-C** 4 binders; 1 cu.ft.; inventory available. *Source:* Department of Energy, Oak Ridge Institute for Science and Education (ORISE). *Collection:* ORISE. *Contents Description:* One binder containing patient consent forms used at Oak Ridge Hospitals starting in 1950 until the present ORAU 30055. Three binders regarding Teletherapy Minutes and Related Documents (unredacted). ORAU-30056. These last three binders are broken into sections, the first containing sections for minutes of subcommittee's, teletherapy evaluation board, early studies, and executive committee files. The second binder contains documents regarding the X-Ray Industry and the a section devoted to the announcement of clinical conferences held at ORINS circa 1951-57. (gives subject and date of conference) The second binder contains two sections for Teletherapy Minutes circa 1952-54. *Descriptors:* Consent; Consent--Written; Consent Forms; Experimental Methods; Experiments; Human Subjects; Informed Consent; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Method; Teletherapy; Oak Ridge Associated Universities (ORAU); Oak Ridge National Laboratory (DOE/ORNL).

*Sources and Documentation*

**DOE-121494-D** 2 folders; 1 cu.ft.; inventory available. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Argonne III 715843 - 715857 and Argonne IV 715858 - 715965. *Contents Description:* Documents regarding: Published articles, Biological and Medical Divisions Quarterly Report, Hemoatology Progress Report, news articles, correspondence, Metallurgical laboratory notebook, whole body counting. For individual descriptions please see CIC database. *Descriptors:* Experiments; Human Subjects; Total Body Irradiation; Argonne National Laboratory (DOE/ANL); Argonne National Laboratory (DOE/ANL): Cancer Hospital; Department of Energy (DOE).

**DOE-121494-E** 4 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Project Chariot Site. *Contents Description:* Response to request 120794-G. Final report on the cleanup of Project Chariot Site, as well as the public comments to the draft report. 1. Letter From North Slope Borough dated 8/5/94 2. Department of Energy Response to Comments Of the North Slope Borough's Science Advisory Committee: Public Comments 3. Project Assessment and Remedial Action Plan Final Report. 4. Document # ERD.940705.0002, North Slope Borough's Comments and Recommendations dated 6/30/94. 5. Book: Nevada Environmental Restoration Project, Project Chariot Site Assessment and Remedial Action Final Report, 8/94. *Descriptors:* Experiments; Department of Energy (DOE).

**DOE-121594-A** 9 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Hanford. *Contents Description:* Contains documents on operation "Bluenose," which occurred at Hanford site during the early 50's. Referring to a possible intentional release during bluenose and the channel experiment. *Descriptors:* Intentional Releases; Radiation--Ionizing; Releases of Radioactivity; Research--Nontherapeutic; Hanford Site (Richland Washington).

**DOE-121594-B** 8 documents; 0.8 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge National Laboratory. *Contents Description:* Included in this accession are an Oak Ridge report Index, that gives the name, year, number of pages, and Document number. Also included are six reports from Oak Ridge associated Universities, for the Research Report - Medical Division, through 1967-73. . *Descriptors:* Experimental Methods; Experiments; Federal Laboratories; Harm; Medical Diagnosis; Medical Therapies; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Records; Releases of Radioactivity; Research--Nontherapeutic; Research--Therapeutic; Total Body Irradiation; Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL); Atomic Energy Commission (AEC).

**DOE-121594-C** 2 boxes; 3.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Contains documents related to fallout from DOE. Reports, memo's, and indexes regarding several different atomic bomb test operations are included. These documents discuss personnel overexposure, give reports on bomb site experiments, and reports on the psychological impact of the tests; to name a few. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Biological Effects; Cloud Sampling; Experimental Equipment; Experimental Methods; Experiments; Fallout; Human Subjects; Marshall Islands; Military Activities; Occupational Guidelines; Occupational Health; Protection/Shielding; Psychological Effects; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Scientific Data; Scientific Method; Total Body Irradiation; Training; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Department of Defense (DOD); War Department (War).

**DOE-121594-D** 13 documents; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Division of Biology and Medicine. *Contents Description:* Correspondence of AEC Division of Biology and Medicine regarding research on pregnant women and fetuses to determine I 131 dose to fetal thyroid due to fallout from atmospheric at nuclear weapon tests. *Descriptors:* Children; Department of Energy (DOE).

**DOE-121594-E** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Lawrence Berkeley Laboratory: Archives and Records Office. *Collection:* Lawrence Berkeley Laboratory. *Contents Description:* Lawrence Berkeley Laboratory Human Radiation Experiments Search and Retrieval Team's response to ACHRE request for pertinent records at LBL. *Descriptors:* Records; Lawrence Berkeley Laboratory (AEC/LBL).

**DOE-121694-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 3, November 30, 1994: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-121694-B** 4 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Documents from Richland Washington: 1. A time-line of contractors at Hanford

and the current organization that manages the records. 2. The guidance that PNL used regarding their document search. 3. The PNL records that have been sent to the CIC. 4. A list of all the records that DOE-Richland has sent to the CIC. *Descriptors:* Records; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-121994-A** 2 folders; 0.8 cu.ft.; inventory available. *Source:* Department of Energy, General Counsel: Deputy Assistant General Counsel for Special Litigation. *Contents Description:* Two depositions of Duncan Holiday and one of Raymond Seltser in Begay v. United States (D. Ariz.). *Descriptors:* Law & Legal Issues; Medical Therapies; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Uranium Mining/Miners/Milling; Los Alamos National Laboratory (DOE/LANL).

**DOE-122194-A** 1 folder; 0.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* University of Chicago Special Collections at Regenstien Library. *Contents Description:* Contains memo's, reports, newspaper clipping and minutes derived from the University of Chicago. Included are Radioisotope Committee meeting minutes for meetings, contracts and financial budget projections for Argonne Laboratory and various experiments. Also a Biology Division Bulletin from Oak Ridge and much more. *Descriptors:* Biological Effects; Contract Laboratories; Contracts/Contractors; Experimental Methods; Experiments; Fallout; Human Subjects; Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; Shields Warren; Argonne National Laboratory (DOE/ANL); Oak Ridge National Laboratory (DOE/ORNL); University of Chicago.

**DOE-122194-B** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to request 102194-G. ORNL-341, "An Aerial-Survey of Radioactivity Associated with Atomic Energy Plants," dated 4/13/49. Copy was obtained from Office of Science and Technical Information in Oak Ridge, Tennessee. Final Report, Chapter 7, Cite #50 Final Report, Chapter 7, Cite #50, Final Report, Chapter 7, Cite #50. (Entire Accession Reviewed and Described) *Descriptors:* Records; Department of Energy (DOE)

**DOE-122194-C** 2 documents; 0.01 cu.ft. *Source:* Eugene P. Cronkite (Department of Energy). *Collection:* Brookhaven National Labs Medical Dept. *Contents Description:* A memo dated 12/16/94 stating the policy of BNL to always provide Health Records to any Marshall islander. *Descriptors:* Guidelines/Regulations; Marshall Islands; Brookhaven National Laboratory (DOE/BNL).

**DOE-122294-A** 1 box; 97 reels *Source:* Department of Energy, University of California-Berkeley. *Collection:* Bancroft Library. *Contents Description:* Microfilm copies of the Ernest Lawrence, John Lawrence, Kenneth Scott and Robert Stone papers. *Descriptors:* Agency Histories; Biological Effects; Contract Laboratories; Contracts/Contractors; Experiments; Guidelines/Regulations; Medical Laboratories; Medical Therapies; Meetings; Radiation--Ionizing; Radiation--Non-ionizing; Research--Nontherapeutic; Research--Therapeutic; Space Flight; Kenneth Scott; Robert Stone; Atomic Energy Commission (AEC); Crocher Laboratory; Manhattan Engineer District (War/CE/MED); University of California - Berkeley (UCB).

**DOE-122394-A** 1 box; 1 cu.ft. *Source:* Department of Energy, Lawrence Livermore National Laboratory. *Collection:* LLNL. *Contents Description:* Contains documents pertaining to the Navy Diver experiments using tracer amounts of radioactive isotopes to track the deployment of nitrogen microbubbles in the joints which can develop into a type of decompression sickness called the "Bends." Also included are documents relating to the whole body counter experiments between Lawrence Livermore and its test subjects from Harwell U.K. *Descriptors:* Experimental Methods; Experiments; Radiation--Ionizing; Research--Therapeutic; Total Body Irradiation; Lawrence Livermore National Laboratory (DOE/LLNL).

**DOE-122794-A** 1 box; 1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Richland . *Contents Description:* DOE RLOO X CIC # 716538 - 716571 and DOE RLOO XI CIC # 716572 - 716579. Included in this box are notebooks from Hanford scientists, reports on the history of the Richland Operations, policy for the use of volunteer subjects in research, and monthly activity reports. *Descriptors:* Agency Histories; Biological Effects; Consent; Contract Laboratories; Dose Reconstruction; Experimental Equipment; Experimental Methods; Experiments; Fallout; Human Subjects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Method; Voluntariness; Volunteers; Battelle Memorial Institute (Battelle); Department of Energy (DOE).

**DOE-122794-B** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Collection of file folders from Lawrence Berkeley Laboratory identified by DOE research teams as "Hot Documents.". *Descriptors:* Biological Effects; Ethics; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Plutonium Injections; Radiation--Ionizing; Scientific Data; Scientific Equipment; Scientific Method; University Research; Joseph Hamilton; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); University of California - San Diego (UCSD).

**DOE-122894-A** 1 binder; 0.4 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos. *Contents Description:* Binder containing compiled documents on the Rover Program,

Labeled Compounds, Inhalation Hazards of Uranium, and Conference on Plutonium-CN-3167. Also, contains correspondence from Wright Langham, on the above subjects. . *Descriptors:* Atomic Tests; Experimental Equipment; Experimental Methods; Experiments; Medical Diagnosis; Medical Therapies; Nuclear Rockets; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; Scientific Data; Weapons Effectiveness; Weapons Research; Robert Oppenheimer; Wright Langham; Atomic Energy Commission (AEC).

**DOE-122894-B** 1 box; 1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* LLNL II CIC#'s 717075 - 717088, DOE/RLOO XIII CIC #'s 717089 - 717143, DOE Germantown, CIC #'s 716938 - 717074. *Contents Description:* LLNL II CIC#'s 717075 - 717088, DOE/RLOO XIII CIC #'s 717089 - 717143, DOE Germantown, CIC #'s 716938 - 717074. Research documents related to biological studies. Collection from DOE - RLOO on Columbia River Fish, as well as other animal studies. Correspondence from DOE - Germantown includes radiation on humans, privacy act info also. . *Descriptors:* Animal Experimentation; Privacy Act; Radiation--Ionizing; Records; Department of Energy (DOE); Lawrence Livermore National Laboratory (DOE/LLNL).

**DOE-122994-A** 1 box; 1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* DOE-RLOO IX, CIC #'s 715966 - 716537. *Contents Description:* DOE-RLOO IX, 715966 - 716537. GSS Human Test Subject Studies, Prisoner Study. Some Privacy Act Information. *Descriptors:* Prisoners; Vulnerable Populations; Department of Energy (DOE).

**DOE-122994-B** 1 binder; 0.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Labs. *Contents Description:* Document on the in-vivo measurement program, several abstracts, memo on the use of fetal tissue and additional H-division reports. Also, some flash blindness reports are included along with reports from Operation SNAPPER, BUSTER, and TEAPOT. *Descriptors:* Atomic Tests; Cloud Sampling; Radiation--Ionizing; Research--Therapeutic; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL).

**DOE-123094-A** 2 folders; 0.5 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to 11/2/94 Memo "Priorities for Reviewing DOE Records. Documents not included are those on the List of Secretariat Files. Also included are detailed summary analyses. These documents are the product of folder - by - folder collection searches. *Descriptors:* Records; Atomic Energy Commission (AEC); Department of Energy (DOE).

**DOE-010595-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 4, January 4, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-010995-A** 1 document; 0.1 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Operational Accidents and Radiation Exposure Experiments within AEC, 1943 - 1970 per request #010595-C. *Descriptors:* Experiments; Radiation--Ionizing; Atomic Energy Commission (AEC). **DOE-011095-A** 1 folder; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge. *Contents Description:* Abstracts and indexes of documents released to the public reading room at Oak Ridge. *Descriptors:* Records; Oak Ridge Institute for Nuclear Studies (ORINS).

**DOE-011095-B** 2 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE Archives, CIC # 707132. *Contents Description:* Excerpt from ACBM minutes for the Oct. 11, 1947 meeting re: Medical Policy memo sent to committee by Albert Holland. The memo is attached and is dated Oct 8, 1947, re: medical policy questions, i.e. "health protection, medical research, human experimentation, and the question of declassification of medical and biological reports." CIC # 707132. *Descriptors:* Guidelines/Regulations; Human Subjects; Law & Legal Issues; Occupational Health; Radiation--Ionizing; Research--Therapeutic; Advisory Committee on Biology and Medicine (AEC/ACBM); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-011095-C** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to Request # 121294-B. Copy of the Report of Conference On Plutonium (complete copy CN-3167) Metallurgical Project Report. *Descriptors:* Records; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-011095-D** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Responsive to Request 010595-A. Sample of Abstracts of documents

pertaining to Project Pluto. Printouts also have corresponding CIC #'s. *Descriptors:* Records; Department of Energy (DOE); Lawrence Livermore National Laboratory (DOE/LLNL).

**DOE-011195-A** *Source:* Department of Energy. *Collection:* Germantown Archives. *Contents Description:* Documents containing Correspondence,Trip Reports, Public Statements, etc. Some Topics are: Policies, Task Force Reports, Oak Ridge, BNL, AEC Hearings, Ad Hoc Advisory Committee, Donner Lab. See contents for more detailed information. *Descriptors:* Biological Effects; Contract Laboratories; Department of Energy (DOE).

**DOE-011195-B** 6 boxes; 4 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE-Oak XI Box one CIC # 717154 - 717188, Box two CIC # 717189 - 717210, box three CIC # 717211 - 717277, box 4 CIC # 717278 - 717315, box 5 CIC # 717316 - 717417, Box 6 DOE-RLOO XII CIC # 717418, BNL II 717624 - 717679. *Contents Description:* Box 1: Contents represent contract forms with related correspondence between the University of Tennessee, U of Florida, Emory U, U of Arkansas, Duke, and Columbia U. Also correspondence and reports related to the Nuclear powered aircraft project in Idaho. Box 2: More contract forms. Box 3: Memo's from the Oak Ridge Insurance branch, contract forms with U CAL, documents from the 70's and 80's concerning The National Lead Company of Ohio. Box 4: Vulnerability Assessment Results Sheets from ORAU selective one from the 80's, documents from the U of Rochester along with a history by Peter Lovenheim, along with Y-12 plant related docs. Box 5: Quarterly reports of medical branch, H-Division reports, more Y-12 docs. Box 6: Richland prisoner consent forms, ORINS consent forms, Boron-Nuetron therapy. *Descriptors:* Contracts/Contractors; Experimental Methods; Experiments; Fallout; Intentional Releases; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; University Research; Weapons Effectiveness; Weapons Research; Carroll Wilson; C. C. Lushbaugh; G. Failla; Merrill Eisenbud; Shields Warren; Stafford Warren; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Chemical Corps (DOD/USA/CC); Clinton Laboratory (War/CE/MED); Division of Biology and Medicine (AEC/DBM); Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL); University of California - Berkeley (UCB); University of Rochester; University of Tennessee; War Department (War).

**DOE-011395-A** 5 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Argonne III - Doc. 715846, Argonne IV - Doc. nos. 715858, 715867, 715950. *Contents Description:* Documents relating to Argonne National Laboratory. CIC # 715846: Quarterly Report, Jan. 1947, 2/1/47, CIC #715858: Report On Findings On Impressions, 3/22/45, CIC #715867: Present Status of Relationship of Anlayses of Plutonium in Urine to the Plutonium Hazard, 5/28/45, CIC # 715888: Reports of the Various Laboratories To the X-10 Projects Advisory Committee, 8/21/45, CIC #715950: Suggestions For the Future Program of Investigation By the Health Group, 6/16/45. *Descriptors:* Biological Effects; University of Rochester.

**DOE-011395-B** 10 documents; 0.25 cu.ft. *Source:* Department of Energy, Oak Ridge Operations Office (ORO). *Collection:* ORO . *Contents Description:* Excerpts from AEC Monthly Status and Progess reports, Biology and Medicine Chapter, for FY 49 and 48. *Descriptors:* Contracts/Contractors; Guidelines/Regulations; Meetings; Shields Warren; Division of Biology and Medicine (AEC/DBM).

**DOE-011895-A** 1 document; 0.05 cu.ft.3 audio tapes *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Interview with Dr. Karl Morgan, on January 7, 1995. *Descriptors:* interviews; .

**DOE-011895-B** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* LANL IV 718072 - 718116; DOE-HQ X 718051 - 718051; University of Chicago 717680 - 717795; Aebersold 716580 - 716937; DOE-HQ IX 717426 - 717623; DOE-RLOO XIV 717419 - 717425. *Contents Description:* Box one contains primarily documents from the 60's and 70's pertaining to the Richland prisoner experiments and fallout docs. from DOE. The second box holds a large collection of Paul Aebersold's personal papers along with documents from the early years of Argonne Labs. ((see Accession contents for morel)) *Descriptors:* Animal Experimentation; Atomic Tests; Biological Effects; Consent; Consent Forms; Experimental Methods; Experiments; Fallout; Human Subjects; Informed Consent; Marshall Islands; Medical Therapies; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Spermatogenesis; Robley Evans; Shields Warren; Paul C. Aebersold; Argonne National Laboratory (DOE/ANL); Argonne National Laboratory (DOE/ANL): Cancer Hospital; Atomic Energy Commission (AEC); Department of Energy (DOE); General Electric Co.: Biology Laboratory; Manhattan Engineer District (War/CE/MED); Oak Ridge National Laboratory (DOE/ORNL); Savannah River.

**DOE-011895-C** 1 document; 0.02 cu.ft. *Source:* Department of Energy. *Contents Description:* Report: Brown M. Dobyns, M.D. "A Study of the Physiological function and Histiological Changes in Thyroids Irradiated with Radioactive Iodine." Final Report Oct. 1, 1975 - Sept. 30, 1981. Case Western Reserve University Cleveland, Ohio. Prepared for the DOE. contract AT(30-1) 1243. *Descriptors:* Medical Therapies; Methods and Techniques; Radiation--Ionizing; Research--Nontherapeutic; University Research; Case Western Reserve University.

*Sources and Documentation*

**DOE-011995-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Scientific and Technical Information (OSTI). *Contents Description:* Document describes classified information program at the DOE Office of Scientific and Technical Information from a historical and policy perspective. Overview of the Classified Information Program. *Descriptors:* Guidelines/Regulations; Department of Energy (DOE).

**DOE-011995-B** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 5, January 19, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Energy Research and Development Administration (ERDA); Department of Energy (DOE).

**DOE-011995-C** 2 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to request 121394-A. Destruction of the U.S. Atomic Energy Commission, Division of Intelligence Files Report, 8/26/94. Also letter of 10/31/94 regarding search DOE field sites made for AEC division of intelligence files. *Descriptors:* Department of Energy (DOE).

**DOE-011995-D** 1 document; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* The draft transcript of the Dr. Clarence Lushbaugh oral history. *Descriptors:* Interviews; C. C. Lushbaugh; Department of Energy (DOE).

**DOE-012095-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Contents Description:* Correspondence response to request #011795-B regarding Atomic Vets and Weapons Testing. *Descriptors:* Atomic Tests--Troop Participation; Weapons Research; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-012095-B** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos Human Studies Project. *Contents Description:* Bibliography of Los Alamos National Laboratory records collections, titled "Los Alamos human studies project log." Dated 1/18/95. *Descriptors:* Records; Los Alamos National Laboratory (DOE/LANL).

**DOE-012095-C** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Memo regarding University of Rochester AEC Project Quarterly Technical Reports, April 1, 1948 through June 30, 1954, also relating to Rolling Uranium. 12/29/94. *Descriptors:* Atomic Energy Commission (AEC); University of Rochester.

**DOE-012595-A** 2 folders; 0.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge. *Contents Description:* Requested documents related to Bravo Event in the Marshallese Islands, along with an index of HRE/ORO, ORAU, and ES Oak Ridge documents submitted to the CIC. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Biological Effects; Fallout; Harm; Military Activities; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Research--Nontherapeutic; Vulnerable Populations; Weapons Effectiveness; Weapons Research; Clinton Laboratory (War/CE/MED); Department of Energy (DOE); Oak Ridge Associated Universities (ORAU); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-012595-B** 2 folders; 0.3 cu.ft. *Source:* Betsy Scroger (Department of Energy). *Collection:* Germantown. *Contents Description:* Documents retrieved at DOE archives at Germantown. *Descriptors:* No descriptors.

**DOE-012595-C** 1 document; 0.02 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* List of documents that were released to the DOE Reading Room, sent from Oak Ridge National Laboratory. *Descriptors:* Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-012595-D** 1 folder; 0.09 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory Archives. *Contents Description:* Finding aids for H-4 Central Administrative Records, Wright Langham Papers, Laboratory Progress Reports, Robert Underhill Paper, Records of CMB-DO Division, Records of the Technical Information Group, and Records of the Los Alamos Medium Energy Physics Division; are included in accession DOE-012595-D. Finding aids to the Health Division Central Administrative Records because the finding aids are voluminous and difficult to assemble and reproduce. Finding aids to the Project Y (MED-era Director's Office and Laboratory Management) Records. the Records of J Division, and the Records of N Division because these finding aids are classified. *Descriptors:* Records; Los Alamos National Laboratory (DOE/LANL).

**DOE-012795-A** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* LLNL III 717796 - 718050, DOE-RLOO XV 718052 - 718071. *Contents Description:* LLNL III - contains documents about the Navy Diver experiment along with documents pertaining to the Human Use Committee of LLNL, all from the early eighties, i.e. consent forms, correspondence, and reports. DOE-RLOO XV - is comprised of a collection of Batelle studies of the biological impact of the Hanford facility on the surrounding

population. *Descriptors:* Biological Effects; Consent Forms; Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Battelle Memorial Institute (Battelle); Hanford Site (Richland Washington); Northwest Research Foundation

**DOE-012795-B** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* BNL III 718117 - 718245, Assoc UNIV 718246 - 718338, DOE-OAK RIDGE XII 718339 - 718452, JOE HOWLAND PAPERS 718453 - 718468. *Contents Description:* Contains documents on radiological warfare, lots of correspondence, University contracts from the late 80's. *Descriptors:* Animal Experimentation; Atomic Tests; Contracts/Contractors; Experimental Methods; Experiments; Military Activities; Radiation--Ionizing; Radiological Warfare; Research--Nontherapeutic; University Research; Weapons Effectiveness; Weapons Research; Shields Warren; Atomic Energy Commission (AEC); University of California - Berkeley (UCB): Radiation Laboratory; University of Tennessee.

**DOE-012795-C** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Meeting transcripts of the Advisory Committee on Biology and Medicine, for the years of 1949-56. (The following meetings were not included due to declassification review: 18th 1949, 20th 1950, 37th 1953, 40th 1953, and 41st 1953.) *Descriptors:* Meetings; Advisory Committee on Biology and Medicine (AEC/ACBM).

**DOE-012795-D** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Cross index between CIC document numbers and ORAU numbers. Response to ACHRE request 011095-F. *Descriptors:* Department of Energy (DOE).

**DOE-013095-A** 10 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to request #010595-A, B, C. Documents from LLNL regarding project Pluto and RaLa. *Descriptors:* Weapons Research; Department of Energy (DOE); Lawrence Livermore National Laboratory (DOE/LLNL).

**DOE-013095-B** 1 binder; 0.2 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL): Human Studies Project Team. *Collection:* LANL. *Contents Description:* A draft report of the Los Alamos National Laboratory Human Studies Project Team, "The Bayo Canyon/Radioactive Lanthanum (RaLa) Program." Dated 1/95 and Includes bibliography. *Descriptors:* Atomic Tests; Experiments; Records; Weapons Effectiveness; Weapons Research; Los Alamos National Laboratory (DOE/LANL).

**DOE-013195-A** 2 boxes; 3.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Documents cited in Bart Hacker's book and compiled by the OHRE. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Cloud Sampling; Guidelines/Regulations; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Training; Voluntariness; Volunteers; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Department of Defense (DOD); Department of Energy (DOE); Division of Military Application (AEC/DMA).

**DOE-020195-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to ACHRE Request 110794-D. Oak Ridge Intentional Release Source Matrix with matching CIC numbers. *Descriptors:* Department of Energy (DOE).

**DOE-020395-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 6, February 2, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Energy Research and Development Administration (ERDA); Department of Energy (DOE).

**DOE-020395-B** 4 folders; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Lawrence Berkeley Laboratory. *Contents Description:* All documents are derived from Lawrence Berkeley includes: three interviews of UCSF researchers with a list of oral histories of other UCSF workers; memo's and correspondence regarding consent policy from John Lawrence, Thomas Hardin, and Robert Stone. Also a lengthy transcript of an interview with C. Tobias conducted during 1980-81 is included.. *Descriptors:* Consent; Consent--Written; Ethics; Experiments; Human Subjects; Informed Consent; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; University Research; Interviews; Joseph Hamilton; Robert Stone; Lawrence Berkeley Laboratory (AEC/LBL).

**DOE-020395-C** 2 folders; 0.5 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Documents resulting from searches pursuant to your 11/2/94 memo. In particular in these documents are responsive to Request #4. These are product of folder-by-folder collection searches. Summaries are attached. Classified or Secret documents are not listed. *Descriptors:* Department of Energy (DOE).

*Sources and Documentation*

**DOE-020695-A** 1 document; 0.03 cu.ft. *Source:* Department of Energy, Ethics Training and Consulting. *Collection:* Los Alamos National Labs. *Contents Description:* Report: John E. Foley. "The Euphoria of "The Gadget": An Inquiry into Ethics in the Nuclear Weapons Complex during the Cold War." Advanced Study Center, Working Paper Series, International Institute the University of Michigan 1994-95. *Descriptors:* Atomic Tests; Plutonium Injections; Radiation--Ionizing; Scientific Data; Scientific Method; Weapons Effectiveness; Weapons Research; Los Alamos National Laboratory (DOE/LANL).

**DOE-020795-A** 11 documents; 0.03 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Collection:* Los Alamos National Laboratory. *Contents Description:* Correspondence concerning the safe level of exposure during the Buster-Jangle exercises in the early 50's. (and other related issues). (Documents retrieved from LANL during the ACHRE staff visit after the Santa Fe meeting in January.) *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Fallout; Fallout Countermeasures; Military Activities; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; Shields Warren; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Los Alamos National Laboratory (DOE/LANL).

**DOE-020795-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Declassification. *Collection:* Germantown. *Contents Description:* Aug, 9 1947 from John A. Derry Acting General Manager, Washington of AEC to Oak Ridge Field Manager, Walter A. Williams on "Establishing Criteria for Proper Classification of Information, " with 2 Attachments: 5 page proposed Instruction and 7 page list of examples. *Descriptors:* Public Access; Atomic Energy Commission (AEC); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-020795-C** 152 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Periodic Status and Progress Reports for the Division of Biology and Medicine to the General Manager from the late 40's to late 50's. *Descriptors:* Experimental Methods; Experiments; Medical Diagnosis; Medical Therapies; Research--Nontherapeutic; Researchers; Scientific Data; Scientific Method; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM).

**DOE-020795-D** 3 folders; 0.4 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Collection:* LANL. *Contents Description:* A fastidious bunch of documents retreived from the LANL site visit, that represent the first instalment of docs. from LANL. Represents correspondence, report, and regulations (Army 40-14 1963); on such topics as the following: permissible dose levels for atomic bomb site exposure and occupational exposure, Chalk river conference, Bayo Canyon, operation Greenhouse, operation Sunshine, Rover, Kiwi-A test, and radiological safety. Plus lots more. *Descriptors:* Animal Experimentation; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Experimental Methods; Experiments; Human Subjects; Military Activities;, Occupational Guidelines; Occupational Health; Radiation--Ionizing; Shields Warren; Wright Langham; Charles L. Dunham; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Los Alamos National Laboratory (DOE/LANL); Manhattan Engineer District (War/CE/MED); Massachusetts Institute of Technology (MIT); University of California - Berkeley (UCB); University of California - Los Angeles (UCLA); War Department (War).

**DOE-020895-A** 1 box; 0.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Idaho Operations Office, INEL IV 718492 - 718502. *Contents Description:* Contains miscellaneous reports pertaining to the Idaho Operations office of the AEC/DOE: Annual reports of the Health Services Laboratory 1968-71, Idaho National Engineering Laboratory Historical Dose Evaluation 1991, Annual Report of the Health & Safety Division 1960, Spert I Destructive Test Series Environmental Monitoring and Research Studies 1965, and various other reports related to Spert I experiment. *Descriptors:* Atomic Tests; Experimental Equipment; Experimental Methods; Experiments; Fallout; Atomic Energy Commission (AEC); Idaho National Engineering Laboratory (DOE/INEL); Department of Energy (DOE).

**DOE-020895-B** 1 document; 0.03 cu.ft. *Source:* Department of Energy, Measurement Appications and Development Group. *Collection:* ORNL. *Contents Description:* Short Listing of Isotope Licenses terminated or expired through 1957. *Descriptors:* Records; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-020995-A** 1 folder; 0.1 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL): Archives. *Collection:* LANL. *Contents Description:* Collection of documents gleaned from the archives of Los Alamos by ACHRE staff. The material pertains largely to questions of liability for occupational and unintentional exposure of employee's on different research projects. Also included are organizational charts for AFSWP, Joint Test Organization, and the AEC Continental Tests Planning Phase Flow Charts. *Descriptors:* Atomic Tests; Law & Legal Issues; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; Leslie Groves; War Department (War); Atomic Energy Commission (AEC).

**DOE-021095-A** 1 document; 0.05 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE/EH-0445. *Contents Description:* Report produced by the DOE - Office of Human Radiation Experiments, "Human radiation Experiments: the Department of Energy Roadmap to the Story and

the Records." United States Department of Energy Assistant Secretary for Environment, Safety, and Health, Feburary 1995. Included is an extensive bibliography of DOE holdings along with series descriptions and locations and specifications of manuscript collections at NARA and other non-DOE sites. *Descriptors:* No descriptors.

**DOE-021095-B** 2 folders; 0.3 cu.ft. *Source:* Sandra Booth (Department of Energy). *Collection:* Los Alamos National Lab. *Contents Description:* Plethora of early Los Alamos Documents covering much of the following: cloud sampling, Teapot, press and periodical digest reports for the late 1940's and early 50's. Organizational charts of the UCB Health Division and subdivisions 4/1/55, documents relating to a placental tracing experiment in pregnant women, many documents on insurance concerns for LANL and the UCB along with insurance applications, and lots more. *Descriptors:* Cloud Sampling; Federal Laboratories; Human Subjects; Pregnant Women; Product; Radiation--Ionizing; Research--Nontherapeutic; Louis H. Hempelmann; Robert Oppenheimer; Stafford Warren; Wright Langham; Air Force Special Weapons Center (AFSWC/USAF); Army (DOD/USA); Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL); Manhattan Engineer District (War/CE/MED); University of California - Berkeley (UCB); University of California - Berkeley (UCB): Radiation Laboratory.

**DOE-021095-C** 2 audio tapes *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* Two audio tapes of visit by the ACHRE to Los Alamos National Laboratory, on Jan. 31, 1995. Entitled the "Bus to Bayo Canyon, At Canyon Rim, Return Trip" and "Afternoon Session - Study Center." There was originally four tapes but two are lost. *Descriptors:* Los Alamos National Laboratory (DOE/LANL).

**DOE-021395-A** 7 documents; 0.08 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Documents from DOE OHRE supporting hypothesis of no recent human radiation experiments at any DOE site. *Descriptors:* Records; Department of Energy (DOE)

**DOE-021495-A** 1 box; 1.3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* University of Rochester # CIC 718469-718491. *Contents Description:* Documents from the University of Rochester, Atomic Energy Project Quarterly Technical Reports for contract w-7401-eng-49, for the years of 1948-52. *Descriptors:* Animal Experimentation; Beryllium; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Radiation--Ionizing; Records; Scientific Data; Scientific Equipment; Scientific Method; Thorium; University Research; University of Rochester.

**DOE-021695-A** 1 box; 3 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE Oak Ridge XIII 718503 - 718560. *Contents Description:* DOE-Oak Ridge XIII CIC # 718503 - 718560. Contains ORINS - 30056 ORINS Teletherapy Minutes and Related Documents File 1, 2, and 3. Also, an assortment of journal articles of related studies involving radiation and children or the fetus, particularly experiments involving I 131 uptake in the human fetus. Tracer studies performed at Oak Ridge, both published articles and unpublished reports. There are ORNL organizational charts for 1961, along with Health Physics division semiannual progress reports for 1953-5, 1965, and a NEPA Project Progress report for the period of July 1 through 31, 1947, and Biology and Medicine Portion of ORNL Research and Development Program for fiscal year 1956-8 and 65. *Descriptors:* Biological Effects; Children; Experimental Methods; Experiments; Fallout; Guidelines/Regulations; Human Subjects; Pregnant Women; Protection/Shielding; Radiation--Ionizing; Scientific Data; Scientific Method; Teletherapy; Weapons Effectiveness; Weapons Research; Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA); Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-021795-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Energy, Lawrence Livermore National Laboratory. *Contents Description:* Response to request #020695-B. UCRL-52176 Report: Plutonium concentrations in dietary and inhalation pathways at Bikini and New York, 9/27/76. *Descriptors:* Bikini Atoll; Department of Energy (DOE); Lawrence Livermore National Laboratory (DOE/LLNL).

**DOE-021795-B** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Division of Biology and Medicine. *Contents Description:* Records retrieved by ACHRE staff during review of the classified Division of Biology and Medicine records collection. *Descriptors:* Biological Effects; Children; Fallout; Federal Laboratories; Human Subjects; Informed Consent; Monitoring; Charles L. Dunham; Herbert Parker; Merrill Eisenbud; Wright Langham; Advisory Committee on Biology and Medicine (AEC/ACBM); Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL); Department of Health Education and Welfare (DHEW); Division of Biology and Medicine (AEC/DBM); Hanford Site (Richland Washington); Los Alamos National Laboratory (DOE/LANL).

**DOE-022195-A** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Oak Ridge Operations Office (ORO). *Collection:* Records Holding Area. *Contents Description:* Documents retieved by ACHRE staff members during records search at Oak Ridge Tennesse 2/12/-2/16. *Descriptors:* No descriptors.

*Sources and Documentation*

**DOE-022195-B** 30 audio tapes *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Oral histories conducted by the Office of Human Radiation Experiments: Waldo CohnMerrill Eisenbud, Carl Gamertsfelder, Julie Langham Grilly, Paul Harper/Katerine Lathrop, Chet Richmond, James Robertson, Robert Rowland, and John Totter. *Descriptors:* Merrill Eisenbud; Robert Rowland; Department of Energy (DOE).

**DOE-022195-C** 2 folders; 0.6 cu.ft. *Source:* Sandra Booth (Department of Energy). *Collection:* Los Alamos National Labs. *Contents Description:* This packet of documents were retrieved by members of the ACHRE during their site visit to LANL. Some of the topics covered are: Radiological Hazards, occupational health and exposures, release of medical records, aircraft decontamination, permissible doses, fallout, and lots more. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Cloud Sampling; Fallout; Federal Laboratories; Guidelines/Regulations; Methods and Techniques; Monitoring; Nevada Test Site (Mercury Nevada); Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Scientific Data; Scientific Equipment; Scientific Method; University Research; Weapons Effectiveness; Weapons Research; Louis H. Hempelmann; Paul C. Aebersold; Shields Warren; Wright Langham; Los Alamos National Laboratory (DOE/LANL).

**DOE-022195-D** 40 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Idaho Operations Office. *Contents Description:* Letters, reports, and press releases pertaining to Idaho National Engineering Laboratory (INEL) tests known as CERT, SNAPTRAN, and SPERT. (See accession contents for document by document index.) *Descriptors:* Animal Experimentation; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Radiation--Ionizing; Reactors; Scientific Data; Scientific Method; Space Flight; University Research; Idaho National Engineering Laboratory (DOE/INEL).

**DOE-022195-E** 1 box; 2 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* University of Michigan 718576-718576; DOE-Oak Ridge XIV 718577-718590; DOE-HQ XI 718591-718595. *Contents Description:* University of Michigan: a report/bibliography that describes the information available through published literature. DOE-Oak Ridge XIV: contracts with Oak Ridge Little Rock VA hospital , Morehead State College, University of Texas. DOE-HQ XI contains Advisory Committee on Biology and Medicine Advisory Committee on Biology and Medicine Advisory Committee on Biology and Medicine transcripts for meetings 20th, 19th, 37th, 40th, and 41th. (The transcripts discuss numerous subjects that are not represented in this form.) *Descriptors:* Biological Effects; Contracts/Contractors; Experimental Methods; Experiments; Meetings; Radiation--Ionizing; Stafford Warren; Advisory Committee on Biology and Medicine (AEC/ACBM); Oak Ridge National Laboratory (DOE/ORNL); University of Michigan.

**DOE-022295-A** 8 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Scientific and Technical Information (OSTI). *Contents Description:* (1) US AEC Division of Biology and Medicine and the Health and Safety Laboratory, "Symposium on Occupational Health Experience and Practices in the Uranium Industry." Held in New York City, October 15-17, 1958. HASL-58 (2) USAEC Y-12 Plant Union Carbide Nuclear Company Oak Ridge, Tennessee. "A Uranium Inhalation Exposure Case History." AECU-4089. (3) Atomic Energy Project University of Rochester, "Proceedings of the Fourth Annual Meeting on Bio-Assay and Analytical Chemistry November 3 and 4, 1958." 9/15/59. (4) Thomas F. Mancuso and Barkev S. Sanders, "Feasibility Study of the Correlation of Lifetime Health and Mortality Experience of AEC and AEC Contractor Employees with Occupational Radiation Exposure." Progress Report April 1965 AEC Contract No. AT(30-1)-3394 June 1, 1964-April 2, 1965. (5) Thomas F. Manscuso and Barkev S. Sanders. "Feasibility Study of the Correlation of Lifetime Health and Mortality Experience of AEC and AEC Contractor Employees with Occupational Radiation Exposure." December 31, 1969, Progress Report University of Pittsburgh. NYO-3394-11 (6) Thomas F. Manscuso and Barkev S. Sanders. "Study of the Lifetime Health and Mortality Experience of Employees of AEC Contractors." April 27, 1970 Progress Report AEC Contract No. AT(30-1)-3394. NY-3394-12 (7) Thomas F. Manscuso and Barkev S. Sanders, "Study of the Lifetime Health and Mortality Experience of Employees of AEC Contractors." April 25, 1972; Progress Report AEC Contract No. CH AT(11-1)-3428. COO-3428-2. (8) Thomas F. Manscuso and Barkev S. Sanders, "Study of the Lifetime Health and Mortality Experience of Employees of AEC Contractors." June 30, 1973 AEC Contract NO. CH AT(11-1)-3428. COO-3428-3. *Descriptors:* Guidelines/Regulations; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Hanford Site (Richland Washington); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-022295-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to ACHRE request no. 012795-D, Public Access to Agency Information Relating to Human Radiation Experimentation. *Descriptors:* Experiments; Human Subjects; Public Access; Radiation--Ionizing; Records; Department of Energy (DOE).

**DOE-022295-C** 2 documents; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* CIC. *Contents Description:* (1) Letter: to Mr. Carroll Wilson AEC from the Stafford L.

Warren University of Rochester, Re: a detailed review of past work and proposed future projects. (2) Report of the 23-24 January 1947 Meeting of the Interim Medical Committee U.S. AEC by Stafford Warren, Re: review and scope of medical research projects, lists of principal investigators and budget info. (documents that staff members of ACHRE wanted declassified and DOE found through the CIC index.) *Descriptors:* Experiments; Radiation--Ionizing; Carroll Wilson; Stafford Warren; Atomic Energy Commission (AEC); University of Rochester.

**DOE-022395-A** 2 boxes; 1.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to ACHRE request 120794-A; 120794-B; and 120794-C. Documents are from Richland Operations Office and Pacific Northwest Laboratory. PNL Hanford Radiation Historical Files Series Description revised and broken down into 3 different series, attachment 1. Hanford Evironmental Health Foundation Administrative Files and Correspondence (Box 99501) has been copied & included as attachment 2. PNL Human Subjects Committee files were reviewed and enclosed as attachment 3. Description of contents of all of the classified boxes in the series description & listing of pages containing relevant information, attachment 4. . *Descriptors:* Classified Research; Department of Defense (DOD) .

**DOE-022395-B** 7 documents; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* CIC. *Contents Description:* Small collection of correspondence and reports pertaining to procedure/protocol of decontamination of irradiated Aircraft. All documents date from the late 50's, with references to Operation Plumbbob. (Retrieved from the OHRE Microfilm of documents of the CIC index.) *Descriptors:* Atomic Tests; Biological Effects; Cloud Sampling; Experiments; Fallout; Fallout Countermeasures; Military Activities; Radiation--Ionizing; Training; Air Force (DOD/USAF); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM).

**DOE-022395-C** 3 folders; 0.4 cu.ft. *Source:* Sandra Booth (Department of Energy). *Collection:* Los Alamos National Labs. *Contents Description:* Fourth shipment of LANL documents retrieved during the ACHRE site visit. *Descriptors:* No descriptors.

**DOE-022495-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 7, February 22, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Energy Research and Development Administration (ERDA); Department of Energy (DOE).

**DOE-022895-A** 12 documents; 0.09 cu.ft. *Source:* Department of Energy. *Collection:* Los Alamos National Labs. *Contents Description:* Collection of Records transfer requests and search printouts from the University of California Los Alamos New Mexico. *Descriptors:* Records; Los Alamos National Laboratory (DOE/LANL).

**DOE-030195-A** 1 document; 0.09 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* "Notes on the Meeting of a Committee to Consider the Feasibility and Conditions for a Preliminary Radiological Safety Shot for Operation Windsquall." Los Alamos, New Mexico 21 and 22 May 1951. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Fallout; Fallout Countermeasures; Guidelines/Regulations; Meetings; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; G. Failla; Louis H. Hempelmann; Shields Warren; Los Alamos National Laboratory (DOE/LANL).

**DOE-030195-B** 77 documents; 0.2 cu.ft. *Source:* Gabrielle Boudreau (Department of Energy). *Collection:* Los Alamos National Labs. *Contents Description:* Documents selected by ACHRE Staff from the ORNL classified log books (1940 to 1950). Many memo's and reports from the World War II era of the Argonne Metallurgical Labs and the Manhattan Engineering District, they discuss questions of occupational health for workers, radioisotope distribution, and possible RW issues. The postwar docs encompasses safety issues surrounding atomic tests. Also a significant number of early NEPA or ANP reports and related memoranda are present. Plus lots more. *Descriptors:* Animal Experimentation; Atomic Tests; Biological Effects; Experiments; Occupational Guidelines; Occupational Health; Product; Radiation--Ionizing; Radiological Warfare; Robert Stone; Shields Warren; Argonne National Laboratory (DOE/ANL); Chemical Corps (DOD/USA/CC); Clinton Laboratory (War/CE/MED); Los Alamos National Laboratory (DOE/LANL); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-030195-C** 4 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* CIC database and OHRE's Microfilm collection, CIC # 0057734, 0122147, 0100707, 0122148. *Contents Description:* Four documents from the CIC Microfilm collection on fallout and public notice/information and bomb test media relations guidelines, circa early 50's. *Descriptors:* Fallout; Fallout Countermeasures; Radiation--Ionizing; Atomic Energy Commission (AEC).

**DOE-030295-A** 1 folder; 0.03 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* No CIC Numbers. Contents Description: Response to ACHRE # 020895-B .

Documents pertaining to fallout that are at the Coordination and Information Center. *Descriptors:* Fallout; Department of Energy (DOE).

**DOE-030295-B** 7 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Germantown History division. *Contents Description:* This eclectic collection contains the following: a 6/9/66 memo that requests information on NASA's involvement in the study of Nuclear Powered Airplane Systems. Memo dated 8/25/58 requesting the procurement of 60,000 curies of Cobalt 60 for radiological tests at Dugway. Letter to Governor Egan of Alaska from General Electric on the condition of northslope area and other Eskimo villages. Report from the Division of Biology and Medicine "Staff Evaluation of the Accomplishments of the Biomedical Research Program at UCLA." Report on the Site Visit by the AEC ACBM to the Laboratory of Nuclear medicine and Radiation Biology University of California, Los Angeles, 2/23/68. Report of the AEC Program in Human Radiobiology Division of Biology and Medicine. Atomic Energy Commission Report of M.W. Boyer General Manager US Atomic Energy Commission, 04/20/53. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Fallout; Marshall Islands; Releases of Radioactivity; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); General Electric Co.:. Biology Laboratory.

**DOE-030295-C** 1 folder; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* University of Rochester. *Contents Description:* University of Rochester documents that included Atomic Bomb Casualty Commission (ABCC) concerned with the white blood cell count of Japanese survivors, along various other documents, and three lists of retired contracts with the AEC/ORNL. *Descriptors:* Contracts/Contractors; Experimental Methods; Experiments; Records; Scientific Data; Atomic Bomb Casualty Commission (ABCC); Oak Ridge National Laboratory (DOE/ORNL); University of Rochester.

**DOE-030395-A** 1 box; 2 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* DOE/HQ XII 718596 - 718924, DOE/HQ DBM 718925 - 719082. *Contents Description:* DOE/HQ XII Reports, memoranda, and correspondence date from the 70's from several DOE research institutes (Oak Ridge, Brookhaven, U of Cal). Also included are trip reports and resurveys of soil and environment conducted at Bikini atoll, and an anthropological report dated 1957, by a Jack Tobin. DOE/HQ DBM Contains monthly status and progress reports for the Division of Biology and Medicine, AEC, 1951-50. Other monthly progress reports are included from the early 50's for other DOE agencies. And much more. *Descriptors:* Bikini Atoll; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Fallout; Federal Laboratories; Human Subjects; Radiation--Ionizing; Scientific Data; Scientific Method; Vulnerable Populations; Argonne National Laboratory (DOE/ANL); Atomic Bomb Casualty Commission (ABCC); Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL); Department of Energy (DOE); Division of Biology and Medicine (AEC/DBM); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-030395-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Response to Request #020695-C. Copy of a 10/26/49 memorandum recording the decision on AEC 180/2; Reporting of the Handling of Radioactive Waste Materials in the United States Atomic Energy Program. *Descriptors:* Radiation--Ionizing; Atomic Energy Commission (AEC).

**DOE-030395-C** 2 documents; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* GAO report. *Contents Description:* Two reports cited in GAO Report 94-51FS, "Examples of Post World War II Radiation Releases at U.S. Nuclear Sites." The first is, "Radiation tests conducted at Los Alamos, New Mexico on 07/19/95." AEC-0020-CRL, 1950. The second is an H Division Progress Report June 20, 1950 to July 20, 1950. . *Descriptors:* Radiation--Ionizing; Releases of Radioactivity; Los Alamos National Laboratory (DOE/LANL).

**DOE-030695-A** 2 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Labs. *Contents Description:* (1) Robert E. Carter, Frederick C. V. Worman, Phyllis Sanders, and Verda Strang. "Further Study of Hematological Changes in Humans Chronically Exposed to Low Level Gamma Radiation." Los Alamos Scientific Laboratory of the University of California. July 1952. (2) Robert E. Carter and Norman P. Knowlton. Hematological Changes in Humans Chronically Exposed to Low-Level Gamma Radiation." Los Alamos Scientific Laboratory of the University of California. March 27, 1950. *Descriptors:* Radiation--Ionizing; Total Body Irradiation; Los Alamos National Laboratory (DOE/LANL).

**DOE-030695-B** 1 box; 2 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* DOE/RLOO XVI 719083 - 719130, DOE/OAK RIDGE XV 719131 - 719133. *Contents Description:* The Oak Ridge XV material represents several reports on experiments using human subjects that did not involve radiation, all from the late 70's to early 90's. The DOE-RLOO XVI contains whole body counting at Benton City Schools, consent forms, and other related material to the diet studies on children surrounding Hanford during the early 60's. Also there are organizational charts for Hanford dated 1946 - 1950 with a directory of who's who's at Hanford for those years. Several experiment reports are included: a report on Iodine 131 atmosphere tests conducted in the

early 70's, another copy of the GREEN RUN report "Dissolving of Twenty Day Metal at Hanford," a plutonium study using rats, tritium and deuterium and Yttrium studies i.e. entitled "Bibliography of Tracer Applications of Deuterium to Biochemical Studies." . *Descriptors:* Animal Experimentation; Biological Effects; Children; Consent; Consent Forms; Contract Laboratories; Experimental Equipment; Experimental Methods; Experiments; Green Run; Guidelines/Regulations; Human Subjects; Radiation--Ionizing; Scientific Data; Scientific Equipment; Scientific Method; C. C. Lushbaugh; General Electric Co.: Biology Laboratory; Hanford Site (Richland Washington); Oak Ridge Associated Universities (ORAU); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-030695-C** 1 document; 0.08 cu.ft. *Source:* Department of Energy, Lawrence Livermore National Laboratory. *Collection:* LLNL. *Contents Description:* LLNL Radioecological Research in the Marshall Islands, A bibliography of research reports by Richard K. Hunt LLNL 03/28/95. *Descriptors:* Records; Lawrence Livermore National Laboratory (DOE/LLNL).

**DOE-030695-D** 31 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Monthy Status and Progress reports for the New York Operations Office for 1948 and 49, with related memoranda included. *Descriptors:* Beryllium; Contracts/Contractors; Occupational Health; Protection/Shielding; Radiation--Ionizing; Toxicity; Uranium Mining/Miners/Milling; Carroll Wilson; David E. Lilienthal; Stafford Warren; Atomic Energy Commission (AEC); General Electric Co.: Biology Laboratory

**DOE-030695-E** 8 documents; 0.04 cu.ft. *Source:* Department of Energy, Lawrence Berkeley Laboratory: Archives and Records Office. *Contents Description:* Letters that response to ACHRE requests for information regarding Cal Z and the Columbium infant from UCSF. *Descriptors:* Plutonium Injections; University of California - San Francisco (UCSF); Lawrence Berkeley Laboratory (AEC/LBL); Department of Energy (DOE).

**DOE-030795-A** 5 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Albuquerque Operations Office. *Contents Description:* Documents related to the treatment of Dorothy Troxell at the Lovelace Clinic in Alburquerque NM. She claims, she was a part of a human radiation experiment while she was in treatment for over exposure from a Uranium processing center. *Descriptors:* Medical Diagnosis; Medical Laboratories; Medical Records; Medical Therapies; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Department of Energy (DOE).

**DOE-031095-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 8, March 8, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-031095-B** 14 documents; 0.2 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Collection:* LANL/RC. *Contents Description:* Eight finding aids. Proceedings of General Conference on Peaceful Uses of Atomic Energy, 1955. March 1995 draft of Rala report. Copies of slides on Rala dose reconstruction. Three Rala primary documents. *Descriptors:* Experiments; Fallout; Monitoring; Radiation--Ionizing; Releases of Radioactivity; Scientific Data; Los Alamos National Laboratory (DOE/LANL).

**DOE-031395-A** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Labs. *Contents Description:* Response to Request #020995-B. Documents uncovered by the Los Alamos Human Studies Project Team, from the White Rock Electronic Archives. *Descriptors:* Los Alamos National Laboratory (DOE/LANL); University of California - Berkeley (UCB).

**DOE-031495-A** 2 folders; 0.8 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* DOE/OAK Ridge XVI 719849 - 719992, Argonne V 719993 - 719993. *Contents Description:* The Argonne material consists of one report by R.E. Rowland of Argonne National Laboratory, "Radium in Humans." dated September 1994, 233 pgs. The Oak Ridge material pertains to a "Boston Project.". *Descriptors:* Agency Histories; Experiments; Argonne National Laboratory (DOE/ANL); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-031595-A** 5 documents; 0.15 cu.ft. *Source:* Department of Energy, Director's Ad Hoc Committee on Human Health Research. *Collection:* Argonne National Labs. *Contents Description:* Argonne Labs finding aids. (1) Argonne National Laboratory Records Holding Center Inventory March 15, 1995. (2) ANL Material Transferred to National Archives 9/84. (3) Records Storage and Transfer Records, a 40 box series of records. (4) B Notebooks Metalulugical Laboratory. (5) Packing List for Administrative and Support Records, by box, 10/1/93. *Descriptors:* Records; Argonne National Laboratory (DOE/ANL); Department of Energy (DOE).

**DOE-031595-B** 9 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge National Laboratory. *Contents Description:* Nine documents requested by staff after a visit to Oak Ridge National Labs. Some of the topics covered in this eclectic collection are secrecy, security,

declassification, and tolerance dose for slow and fast Neutrons, circa 1944-50's. *Descriptors:* Radiation--Ionizing; Scientific Data; Scientific Method; Secrecy; Hymer Friedell; J. J. Nickson; Robert Stone; Atomic Energy Commission (AEC); Manhattan Engineer District (War/CE/MED); Monsanto Chemical Company.

**DOE-031595-C** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* Numerous selected documents from Los Alamos National Laboratory includes the following topics: decontamination of vehicles, proposed experiments for 1951 Buster Jangle series, considerable correspondence by Thomas L. Shipman, permissible doses, and much more. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Consent; Experimental Equipment; Experimental Methods; Experiments; Fallout; Flash Blindness; Guidelines/Regulations; Human Subjects; Informed Consent; Medical Diagnosis; Medical Therapies; Military Activities; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Research--Nontherapeutic; Scientific Data; Scientific Equipment; Scientific Method; University Research; Weapons Effectiveness; Weapons Research; Austin Brues; Robley Evans; Shields Warren; Wright Langham; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Los Alamos National Laboratory (DOE/LANL); Manhattan Engineer District (War/CE/MED); Military Liaison Committee to AEC (DOD/OSD/MLC); University of California - Berkeley (UCB); War Department (War).

**DOE-031695-B** 2 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Scientific and Technical Information (OSTI). *Contents Description:* Carbide and Carbon Chemicals Corporation Medical Department K-25 Plant, "Carbide Report of Chemical Urinary Findings and Industrial Hygiene Field Investigations for Third Quarter 1948," Compiled by W.H. Baumann. Two editions 10/29/48 and 02/11/49. *Descriptors:* Biological Effects; Medical Therapies; Occupational Health; Scientific Data.

**DOE-032095-A** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* DOE/HQ XIII 719994 - 720570, NARA Atlanta III 720571 - 720609, DOE/Oak Ridge XVII 720610 - 720656, DOE/HQ XIV 720657 - 720692, DOE/RLOO XVII 720693 - 720693. *Contents Description:* Contains many intriguing documents from a wide range of DOE and NARA repositories, i.e. DOE/HQ, NARA Atlanta III, DOE/Oak Ridge XVII, DOE/HQ XIV, and DOE/RLOO XVII. (A more in-depth review of this box shall be added later.) *Descriptors:* No descriptors.

**DOE-032095-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy. *Collection:* Office of Human Radiation Experiments. *Contents Description:* CIC #717029 Site Visit and review of Friedell program at Case Western Reserve University, 10/20/71 by Martin L. Mathern, Jr. Assist Chief, Medical Research Branch Division of Biology and Medicine. *Descriptors:* Experimental Methods; Experiments; Department of Energy (DOE); Division of Biology and Medicine (AEC/DBM).

**DOE-032095-C** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Argonne. *Contents Description:* List of Argonne National Labs material transferred to National Archives 9/84. *Descriptors:* Records; Argonne National Laboratory (DOE/ANL).

**DOE-032095-D** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* List of documents from the Idaho Operations Office released to its public reading room, as of 3/20/95. *Descriptors:* Records; Idaho National Engineering Laboratory (DOE/INEL).

**DOE-032095-E** 3 documents; 0.05 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge. *Contents Description:* Two letters related to the following report, "Fourth Annual Report Oak Ridge Hospital, Incorporated Oak Ridge Tennessee for the year ended June 30, 1953. (fulfills request doe-110294-a) *Descriptors:* Biological Effects; Medical Records.

**DOE-032095-F** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* OSTI. *Contents Description:* University of Rochester monthly progress Reports, for the Manhattan project contract W-7401-eng-49: M-1508, M-1527, M-1532, M-1538, M-1550, M-1562, M-1563, M-1574, M-1810, M-1828, M-1905, M-1922, M-1928, M-1935, M-1945, M-1954, M-1960, M-1968, M-1974, M-1985, M-1986, M-1989, UR-39, UR-173, UR-212. *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Scientific Data; Scientific Method; Scientific Standards; University Research; University of Rochester.

**DOE-032195-A** 2 documents; 0.15 cu.ft. *Source:* Department of Energy, Argonne National Laboratory. *Collection:* Argonne. *Contents Description:* Two computer printouts/finding aids from Argonne National Labaratory of technical notebooks. *Descriptors:* Records; Argonne National Laboratory (DOE/ANL).

**DOE-032195-B** 1 box; 2 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* DOE/HQ XV CIC # 720694 - 721237. *Contents Description:* This assorted collection of reports, memoranda, and letters, derives from the files of the Division of Biology and Medicine. About half the box contains documents from 1959, the half is a mix between the early 50's and mid and late 40's. Here is a selective list of some of topics covered in this accession: Argonne "Long Range Program," establishment of a new AEC branch known as The

Nuclear Fallout branch, in 1959, a history of Brookhaven national labs, A 1959, report from the DBM to the Joint Committee on Atomic Energy, entitled "The Future Role of the AEC Laboratories," report on the effects of chronic exposure to the ANP program, 1959, documents concerning the history of radium Toxicity, Argonne lab programs and budget outlays for FY 51-2, Arsenic 76 injections, lots of Brookhaven material from the early 50's, BNL strategy on handling knowledge of sensitive experiments with the public, guidelines for patient admissions at BNL, memo's concerning the development of a general hospital in Knoxville, Correspondence from the Picatinny Arsenal concerning Japanese fisherman's exposure, large collection of miner material about incidents at Colorado plateau mine, strontium 90 detection from 1954, Columbia University experiments involving I-131, proposed research reactor at UCLA, Deuterium water pregnancy study. Plus lots more of very interesting information, a key collection. *Descriptors:* Agency Histories; Animal Experimentation; Beryllium; Biological Effects; Contracts/Contractors; Ethics; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Informed Consent; Medical Diagnosis; Medical Therapies; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Research--Therapeutic; Researchers; Scientific Data; Scientific Method; Teletherapy; Total Body Irradiation; Toxicity; University Research; Uranium Mining/Miners/Milling; Carroll Wilson; David E. Lilienthal; Earl Miller; G. Failla; John Pickering; Paul C. Aebersold; Robert Oppenheimer; Shields Warren; Stafford Warren; Argonne National Laboratory (DOE/ANL); Brookhaven National Laboratory (DOE/BNL); Division of Biology and Medicine (AEC/DBM); University of California - Berkeley (UCB).

**DOE-032195-C** 16 documents; 0.2 cu.ft. *Source:* Department of Energy, Lawrence Livermore National Laboratory: History/Archives. *Contents Description:* Reports by LLNL re: Marshallese Dose Reconstruction, effects, etc. unclassified versions of LLNL's Database indexes. *Descriptors:* Bikini Atoll; Dose Reconstruction; Marshall Islands; Radiation--Ionizing; Vulnerable Populations; Lawrence Livermore National Laboratory (DOE/LLNL).

**DOE-032195-D** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* The most recent (as of 4/20/95) documents released to the public reading room, Idaho Operations Office, Oak Ridge, and Hanford. *Descriptors:* Records; Hanford Site (Richland Washington); Idaho National Engineering Laboratory (DOE/INEL); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-032195-E** 2 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* ACHRE request 022195-B. *Contents Description:* AEC certificate of destruction inventory of files from the Oak Ridge Operations Office Records Holding Area. *Descriptors:* Records; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-032195-F** 1 document; 0.05 cu.ft. *Source:* Rebecca Flack (Department of Energy). *Collection:* ORINS. *Contents Description:* Science Panel Report No. 6. "Use of Probability of Causation by the Veterans Administration in the Adjudication of Claims of Injury Due to Exposure to Ionizing Radiation." August 1988. Committee on Interagency Radiation Research and Policy Coordination. Office of Science and Technology Policy Executive Office of the President, Washington DC 20506. ORAU 88/f-4. *Descriptors:* Law & Legal Issues; Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Radiation Injury; Veterans Administration (VA).

**DOE-032295-A** 23 documents; 0.15 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* DOE/RLOO 721238 - 721261. *Contents Description:* Documents in reference to Ringold area outside of Hanford Site. Environmental and whole body counter studies are included and all date from the early 60's. (Privacy Act Materials) *Descriptors:* Biological Effects; Releases of Radioactivity; Scientific Data; Scientific Method; Toxicity; General Electric Co.: Biology Laboratory; Hanford Site (Richland Washington).

**DOE-032295-B** 1 binder; 0.2 cu.ft. *Source:* Debbie Maresca (Department of Energy). *Collection:* Brookhaven National Labs. *Contents Description:* Experiment abstracts and series descriptions of holdings at Brookhaven National Laboratory. Consent forms are also included. *Descriptors:* Consent Forms; Records; Brookhaven National Laboratory (DOE/BNL).

**DOE-032295-C** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 9, March 20, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-032295-D** 41 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Contains published articles, memoranda, and reports, from the files of Chairman Cronkite, Brookhaven National Laboratory. *Descriptors:* Experimental Methods; Experiments; Guidelines/Regulations; Radiation--Ionizing; Research--Therapeutic; Researchers; Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL)

## *Sources and Documentation*

**DOE-032495-A** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Oak Ridge Operations Office (ORO). *Contents Description:* Documents retieved by staff from the Oak Ridge Operations Office from the RHTG. Eclectic collection that date from the mid to late 40's. Some of the topics covered are beryllium toxcitiy, occupational hazards at various other post war nuclear sites.. *Descriptors:* Animal Experimentation; Beryllium; Experimental Methods; Experiments; Occupational Health; Radiation--Ionizing; Scientific Data; Scientific Method; Suppliers/Vendors; Tube Alloy; G. Failla; Hymer Friedell; Atomic Bomb Casualty Commission (ABCC); Manhattan Engineer District (War/CE/MED); University of California - Berkeley (UCB): Radiation Laboratory; University of Chicago.

**DOE-032795-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Lawrence Berkeley Laboratory. *Contents Description:* Requested Lawrence Berkeley Laboratory newly discovered human subject experiments. Included are published articles, applications for funds, and various correspondence. (see accession contents for more details) *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Medical Diagnosis; Medical Records; Medical Therapies; Lawrence Berkeley Laboratory (AEC/LBL).

**DOE-032795-B** 1 document; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Idaho National Engineering Laboratory. *Contents Description:* List of documents released to the Department of Energy reading room, from the Idaho Operations Office. *Descriptors:* Records; Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-032995-A** 2 folders; 0.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* DOE/Oak ridge XVIII 721262 - 721404, INEL V 721405 - 721418. *Contents Description:* DOE/Oak ridge XVIII 721262 - 721404, INEL V 721405 - 721418. The Idaho National Engineering Labs reports pertain to the development on the SNAP 10 and 19 orbital Nuclear reactor. The Oak Ridge documents contain selected monthly status progress reports of Biology/Medicine chapter for 1948 and 1949, from the AEC DBM. Also, lots of early memo's and reports from the mid to late 40's, that discuss and review papers concerning health, safety, and many other aspects of early nuclear science. Budget information for ORNL Research and development, FY 49, 50, and 51; also budget data for the entire AEC for FY55. Various contracts with Universities, such as UCLA, UCB, and U of Chicago. Several "Survey of Health Hazards at UCB," by E.R. Miller for 1945-47. Several documents pertaining to polonium contamination and protective measures for its use, stating tolerance levels. There is also a substantial number of documents concerning Beryllium exposures during the 40's. (Privacy act material. In Legal sized-folder.) *Descriptors:* Beryllium; Biological Effects; Contract Laboratories; Contracts/Contractors; Experimental Methods; Experiments; Federal Laboratories; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiological Warfare; Scientific Data; Scientific Method; Secrecy; Joseph Hamilton; Shields Warren; Alexander Hollaender; K. D. Nichols; Carroll Wilson; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Manhattan Engineer District (War/CE/MED); Monsanto Chemical Company; Oak Ridge National Laboratory (DOE/ORNL); University of California - Berkeley (UCB); University of California - Los Angeles (UCLA); University of Chicago: Metallurgical Laboratory.

**DOE-033095-A** 3 folders; 1 cu.ft.; inventory available. *Source:* Department of Energy, Office of Scientific and Technical Information (OSTI). *Contents Description:* Collection of reports selected by ACHRE staff during a site visit. *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Guidelines/Regulations; Medical Diagnosis; Medical Therapies; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Releases of Radioactivity; Scientific Data; Scientific Method; Weapons Effectiveness; Weapons Research; Argonne National Laboratory (DOE/ANL); Hanford Site (Richland Washington); Naval Radiological Defense Laboratory (DOD/USN/NRDL); University of California - Berkeley (UCB).

**DOE-033195-A** 26 documents; *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Germantown archives . *Contents Description:* Primarily Atomic Energy Commission memoranda from the early 50's. Nuclear weapons testing effects, Project Gabriel, cloud sampling, provision for funds for RW, and eye damage from atomic flash. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Cloud Sampling; Experimental Equipment; Experimental Methods; Experiments; Fallout; Fallout Countermeasures; Flash Blindness; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Armed Forces Special Weapons Project (DOD/AFSWP); Atomic Energy Commission (AEC).

**DOE-033195-B** 1 folder; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Microfilm copy of the CIC database on fallout. *Contents Description:* Reports and correspondence about project Windsquall and Windstorm, during operation Buster-Jangle. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC).

**DOE-033195-C** 2 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Search, by OSTI, of their database for any studies of Oak Ridge worker radiation

- exposure with are still classified. Resulted in quite a number of hits. *Descriptors:* Occupational Health; Protection/Shielding; Records; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-040395-A** 3 folders; 0.6 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Germantown archives. *Contents Description:* Folder 1 contains: Monthly status and progress reports for the Division of Biology and Medicine selective months during 1951-2, lots more DBM related documents. Project gabriel reports (one from 1952) and related memoranda. Folder 2: Newsclippings and related memo's about proposed use of Arizona and Joliet Illinois prisoners. Collection of letters sent to the AEC by individuals who wanted to become Human "guinea pigs" for biomedical experiments during atomic bomb tests. More Gabriel memoranda and full project reports, collection of documents related to Sr 90 and project "Sunshine." Several letters and memo's pertaining to Radium toxicity and exposures. Finally, Mother's Milk Bank, Inc. documents, related to study of breast milk for Strontium 90. All documents in this folder date from the 50's. Folder 3: Large collection of Rad-Safe documents. AEC and DOD debate over the maximum permissible level of exposure, during Buster-Jangle series. 1955 UN conference on the "Peaceful uses of Atomic Power." More Strontium 90 documents i.e. "Occurrence of Sr-90 in Human Skeleton as Function of Age, Early 1955." Data derived from Houston and New York, levels in rain and snowfall, levels in Milk supply of New York, Soil samples, and vegetation. This is a selective description and does not represent all documents present in the collection. *Descriptors:* Animal Experimentation; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Fallout; Fallout Countermeasures; Guidelines/Regulations; Human Subjects; Meetings; Radiation--Ionizing; Radiological Warfare; Scientific Data; Scientific Method; Scientific Standards; Secrecy; Toxicity; University Research; Uranium Mining/Miners/Milling; Carroll Wilson; Shields Warren; Joseph Hamilton; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM).

**DOE-040395-B** 5 documents; 0.25 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Lawrence Livermore National Laboratory, Box MLC-068 and MLC-071, Folder AE-ZZ-0025, 0157, 0027. *Contents Description:* Five documents sent from Lawrence Livermore National Labs and the CIC: (1) 7/25/52 memo from Lt. Paul M. Engle to Navy Secretary, Research and Development Board. (2) 1/10/51 Letter from Marion W. Boyer to Robert LeBarron. (3) 4/9/49 Letter from W. Albert Noyes, Jr. to Dr. K.T. Compton. (4) Report of Committee to Study Nevada Proving Ground CIC # 61646. (5) Report of Committee to Study Nevada Proving Ground CIC # 61647. *Descriptors:* Atomic Tests; Biological Effects; Nevada Test Site (Mercury Nevada); Occupational Guidelines; Occupational Health; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; Research and Development Board (DOD/RDB).

**DOE-040395-C** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* LBL Tobias collection. *Contents Description:* Two collections of documents were culled from the Lawrence Berkeley Laboratory's Tobias files, "Series description and notes pertinent to the pituitary Irradiation Program. John H. Lawrence Papers (Series 1: Writings) The Bancroft Library, UCB" and "Materials gathered to Document experiment summary 'LBL-21 Rewrite: Pituitary Irradiation with High-Energy Proton Beams.". *Descriptors:* Animal Experimentation; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Radiation--Ionizing; Scientific Data; Scientific Equipment; Scientific Method; University Research; Lawrence Berkeley Laboratory (AEC/LBL); University of California - Berkeley (UCB).

**DOE-040395-D** 3 documents; 0.05 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* OSTI. *Contents Description:* University of Rochester reports: UR-37, 44, and 102. These reports have the following titles: "The Excretion of Hexavalent Uranium Following Intravenous Administration: II. Studies on Human Subjects," 6/25/48; "Present Status of Polonium Tolerance Estimations," 10/22/48; "Index of Classified Reports from The University of Rochester Atomic Energy Project," 01/48-12/49. *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Plutonium Injections; Radiation--Ionizing; J. Newell Stannard; William Bale; Atomic Energy Commission (AEC); University of Rochester.

**DOE-040595-A** 1 folder; 0.3 cu.ft. *Source:* Sandra Booth (Department of Energy). *Collection:* Los Alamos National Laboratory. *Contents Description:* This collection of documents represents on-site research by ACHRE staff at Los Alamos National Laboratory. The following is a selective general description of documents pertinent to the ACHRE staff research: Buster-Jangle, Bikini, Rongelap and operation crossroads, flashblindness, notes on the meeting of a Committee for Operation "Windsquall," reports and memo's concerning operation Greenhouse, lots of correspondence between Harwell U.K. and Los Alamos, plethora of memo's regarding an experiment known as "Average Neutron Total Cross Section..," and other isotope experiments, L-Division report on the Operation Teapot, reports on cloud sampling from operation Redwing, and memo's concerning decontamination procedures for aircraft during tests. *Descriptors:* Atomic Tests; Bikini Atoll; Cloud Sampling; Experiments; Fallout; Flash Blindness; Marshall Islands; Military Activities; Radiation--Ionizing; Radiation Injury; Scientific Data; Scientific Method; Training; Weapons

Effectiveness; Weapons Research; Air Force (DOD/USAF); Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL); University of California - Berkeley (UCB): Radiation Laboratory.

**DOE-040695-A** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory: Computing, Information & Communications Division. *Collection:* Los Alamos. *Contents Description:* Documents retrieved by ACHRE staff members from Los Alamos National Laboratory. The Collection generally pertains to reports and memoranda for RALA experiments, Bayo Cayon, the Kiwi-A reactor, Rover experiments, and Radiological Warfare. *Descriptors:* Experimental Methods; Experiments; Fallout; Nevada Test Site (Mercury Nevada); Nuclear Rockets; Radiation--Ionizing; Radiological Warfare; Reactors; Releases of Radioactivity; University Research; Weapons Effectiveness; Weapons Research; Los Alamos National Laboratory (DOE/LANL).

**DOE-040695-B** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 10, April 3, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-040695-C** 5 documents; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos Human Studies Project Team. *Contents Description:* 1) Los Alamos Notebook, LA 1487, 1944 to Sep. 1946, Wright Langham. 2) Los Alamos Notebook, LA 4525, August 1951-August 1952, Ernest A. Pinson. 3) Los Alamos Notebook, LA 836, February 24, 1945, Wright Langham. 4) Los Alamos Notebook, LA 867, 1945-46, Group A-6 personnel. 5) Los Alamos Notebook, LA 748, 1945, Jean Carritt. *Descriptors:* Scientific Data; Scientific Method; Wright Langham; Los Alamos National Laboratory (DOE/LANL).

**DOE-040695-D** 26 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Copies of documents produced to plaintiffs in the Hanford downwinder litigation. Many of these documents have already been provided to the Committee through the CIC however some of the material is new. *Descriptors:* Animal Experimentation; Biological Effects; Experimental Methods; Experiments; Fallout; Federal Laboratories; Intentional Releases; Radiation--Ionizing; Releases of Radioactivity; Hanford Site (Richland Washington).

**DOE-040695-E** 2 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos Human Radiation Project Team. *Contents Description:* Two civil defense reports, "Comparative Nuclear Effects of Biomedical Interest," January 12, 1961; "Comparative Effects Data of Biological Interest," from the Lovelace foundation and Office of the Surgeon General, no date. . *Descriptors:* Atomic Tests; Biological Effects; Military Activities; Radiation--Ionizing; Scientific Data; Vulnerable Populations; Weapons Effectiveness; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL); Office of the Surgeon General (PHS/OSG).

**DOE-040695-F** 10 documents; 0.07 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* DOE answers questions presented in ACHRE request DOE-030995-C, also memo's and reports concerning aircraft decontamination, Plumbbob, occupational exposure/hazards and Flashblindness. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Cloud Sampling; Experimental Methods; Experiments; Flash Blindness; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Air Force Special Weapons Center (AFSWC/USAF); Armed Forces Special Weapons Project (DOD/AFSWP); Los Alamos National Laboratory (DOE/LANL).

**DOE-040795-A** 4 folders; 0.3 cu.ft. *Source:* Department of Energy, Oak Ridge National Laboratory (ORNL). *Collection:* Office of NRC Terminated Licenses Project. *Contents Description:* NRC licenses for Harper-Grace Hospital along with supplemental folders. *Descriptors:* Records; Harper Hospital; Nuclear Regulatory Commission (NRC).

**DOE-040895-A** 1 folder; 0.03 cu.ft. *Source:* Department of Energy, Brookhaven Area Office. *Collection:* Brookhaven National Labs. *Contents Description:* SF 135 records transmittals and receipts, for the Brookhaven Area Office showing transmittals of records for the years 1950 to 1975 with the following subjects: Occupational Health & Safety, radiation protection standards/policy, Health Policy, and medicine health & safety. (Regarding destruction dates, the NARA records center in Bayonne, N.J. has advised that they have been destroyed.) *Descriptors:* Records; Brookhaven National Laboratory (DOE/BNL); National Archives and Records Administration (NARA).

**DOE-041095-A** 11 folders; 0.4 cu.ft. *Source:* Department of Energy, Oak Ridge National Laboratory (ORNL). *Collection:* NRC. *Contents Description:* Nuclear Regulatory Licenses for the Dept. of the Army Dugway Proving Ground. The following is a list of license numbers: 43-01316-01; 43-01316-03; 43-01316-06; 43-01316-08; 43-01316-05; 43-01316-02; 43-01316-04. Four supplemental files: General files 1956-7 and 1959, and one other

general file not identified by year. *Descriptors:* Occupational Guidelines; Radiation--Ionizing; Army (DOD/USA); Chemical Corps (DOD/USA/CC); Dugway Proving Ground (DOD/DPG).

**DOE-041095-B** 4 documents; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* NEPA docs. NARA RG 341, entry 44 office of the Surgeon General historical branch subject file, 1940-54. *Contents Description:* (1) report: The NEPA Medical Advisory Committee, "Recommendations to NEPA," Radiation Biology Relative to Nuclear Powered Aircraft. Jan 5, 1950. (2) report: "Tabulation of Available Data Relative to Radiation Biology." by NEPA, 1949. (3) Several memo's related to Data Effects of Exposure to Radiation, from 1951. *Descriptors:* Biological Effects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Scientific Data; Scientific Method; Weapons Effectiveness; Weapons Research; Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA).

**DOE-041195-A** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Transcript of interview with Dr. Clarence Lushbaugh, entitled "Human Radiation Studies Remembering the Early Years," by the Oral History group of the Office of Human Radiation Experiments (OHRE) DOE. *Descriptors:* Interviews; C. C. Lushbaugh; Department of Energy (DOE).

**DOE-041295-A** 1 folder; 0.25 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* AEC Secretariat collection. *Contents Description:* DOE AEC Secretariat files collection on RW. Included is the report of the Noyes Panel and relating documentation. Approximately 50 pgs. were sent to other agencies for declassification review. *Descriptors:* Radiation--Ionizing; Radiological Warfare; Atomic Energy Commission (AEC).

**DOE-041295-B** 3 folders; 0.6 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* BNL IV 721419 - 721419, DOE/Oak Ridge XIX 721420 - 721420, LLNL V 721421 - 721572. *Contents Description:* The BNL IV consists of a Journal Article, Daniel N. Slantkin, "A History of Boron Neutron Capture Therapy of Brain Tumors: Postulation of a Brain Radiation Dose Tolerance Limit." Brain. vol. 114, pg 1609-1629, 1991. The Oak Ridge XIX is a single report, G.R. Eisele, F.R. Mraz, and H.E. Walburg. "Biomedical Aspects of Plutonium: A selected Bibliography." Comparative Animal Research Laboratory/operated by the University of Tennessee for the DOE, March 1980. The LLNL consists of handwritten notebooks and notes of experiments conducted at LLNL in the early 80's. *Descriptors:* Animal Experimentation; Biological Effects; Contracts/Contractors; Experimental Methods; Experiments; Guidelines/Regulations; Radiation--Ionizing; Scientific Data; Scientific Method; Brookhaven National Laboratory (DOE/BNL); Lawrence Livermore National Laboratory (DOE/LLNL); Oak Ridge National Laboratory (DOE/ORNL). **DOE-041295-C** 6 documents; 0.03 cu.ft. *Source:* Department of Energy, Computing, Information & Communications Division. *Collection:* Los Alamos National Laboratory. *Contents Description:* Documents on intentional releases, redacted for privacy act. Two are memo's pertaining to BAYO Canyon activities for the 12, 16, and 18th in 1956 while the other is dated Oct. 19, 1955. Another memo is titled "Cloud Samplers Radiation Exposure." from July 18, 1960. The last memo is titled "Operation Quick and Dirty - Pantex Amarillo Plant." May 3, 1956. *Descriptors:* Cloud Sampling; Intentional Releases; Radiation--Ionizing; Los Alamos National Laboratory (DOE/LANL).

**DOE-041295-D** 47 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Lawrence Berkeley Laboratory. *Contents Description:* Collection of documents from LBL, UCSF, and the Bancroft Library. (see accession contents for a complete listing) *Descriptors:* Biological Effects; Children; Ethics; Fallout; Human Subjects; Marshall Islands; Plutonium Injections; Pregnant Women; Prisoners; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Voluntariness; Volunteers; Wright Langham; Earl Miller; Lawrence Berkeley Laboratory (AEC/LBL); University of California - Berkeley (UCB); University of California - San Francisco (UCSF).

**DOE-041395-A** 5 folders; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* University of Utah. *Contents Description:* Documents found at the University of Utah in the records of the Institutional Review Board. Some of the documents describing human experiments include grant numbers that are shorthand for the agencies funding the research. *Descriptors:* Contracts/Contractors; Experiments; Human Subjects; University of Utah.

**DOE-041395-B** 1 document; 0.01 cu.ft. *Source:* Bill Inkret (Department of Energy). *Collection:* Los Alamos National Labs. *Contents Description:* LADC#587 report by Norman Knowlton Jr. "Changes in the Blood of Humans Chronically Exposed to Low Level Gamma Radiation.". *Descriptors:* Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Scientific Data; Los Alamos National Laboratory (DOE/LANL).

**DOE-041495-A** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Records Holding Center. *Collection:* RHA B326-78-3 2/4, MHS 3-9, Pu Cases 1953. *Contents Description:* This collection represents the efforts of ACHRE Staffer at Germantown DOE archives, to find documents relating to plutonium injections and follow-up studies of occupational exposures (plus lots more). *Descriptors:* Occupational Guidelines; Occupational Health; Plutonium

Injections; Charles L. Dunham; Louis H. Hempelmann; Wright Langham; University of California - Berkeley (UCB); University of Rochester: Strong Memorial Hospital.

**DOE-041495-B** 2 folders; 0.35 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE Germantown. *Contents Description:* This is a selective collection of reports and memoranda concerning operation Castle and the Marshall Islands, gleaned from DOE at Germantown by ACHRE staff. This collections generally dates from 1954 and Operation Castle to the late 50's. A large selection of memo's from Brookhaven concern the medical examination of Rongelapians along with medical and environmental follow-up surveys, until the late 50's. Also, an AEC report dated 2/6/57 discusses the viability of the "Return of Rongelapese to Their Home Island." Various other memoranda and trip reports regarding issues effecting Marshallese islanders. *Descriptors:* Atomic Tests; Bikini Atoll; Fallout; Harm; Marshall Islands; Medical Diagnosis; Medical Records; Medical Therapies; Radiation Injury; Research--Nontherapeutic; Scientific Data; Vulnerable Populations; Armed Forces Special Weapons Project (DOD/AFSWP); Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL).

**DOE-041795-A** 9 documents; 0.05 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Contents Description:* A few entries in the Carroll Wilson diaries selected by ACHRE staff in January, 1995. RG 326 1135- General Manager 5661 folders 2-5. *Descriptors:* Carroll Wilson; Atomic Energy Commission (AEC).

**DOE-041795-B** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge. *Contents Description:* Most recent 04/14/95 document releases to the DOE Reading Room from Oak Ridge. *Descriptors:* Records; Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-041995-A** 3 boxes; 4.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Brookhaven National Laboratory. *Contents Description:* Documents from Brookhaven National Laboratory's Clinical Research Center (CRC) and were designated for copying by members of the Committee's staff during their visit to BNL March 1995. (See Accession Contents for a more in-depth description.) *Descriptors:* Experiments; Fallout; Federal Laboratories; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL)

**DOE-041995-B** 1 document; 0.09 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Comments from Los Alamos National Laboratory regarding the section of the ACHRE draft report discussing the Marshall Islands. Dated 04/17/95 from Thomas Knuckle, EES-5. *Descriptors:* Bikini Atoll; Fallout; Marshall Islands; Vulnerable Populations; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-041995-C** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Ad Hoc Committee on Human Health Research. *Collection:* Argonne National Laboratory. *Contents Description:* Documents from Argonne National Laboratory retrieved by ACHRE staff. (Please see accession contents for document by document index.) *Descriptors:* Contracts/Contractors; Experimental Methods; Experiments; Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Volunteers; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC).

**DOE-042195-A** 5 documents; 0.1 cu.ft. *Source:* Mike Gasponi (Department of Energy). *Collection:* Argonne National Laboratory. *Contents Description:* Documents retrieved from Argonne National Laboratory by ACHRE staff members. Two letters/reports from April and February of 1971 regarding a construction contract # 2341 with the Norman Engineering company for the construction of the HFEF in Idaho. Three memo's from 1970-71, re: the establishment of a "Review Committee for Research Projects Involving Human Subjects," along with the discussion of a report from NIH entitled "Protection of the Individual as a Research Subject." A copy of the Nuremberg Code. Examples of Consent forms from Argonne National Labs records. Two Reports from the Biochemical Survey Section of Argonne by Edwin R. Russell, for June, 20 of 1946. A report prepared on Sept. 15, 1958; Background Information on Nevada Nuclear Tests," by the Office of Test Information, Re: detailed map of southern Nevada, list of shots conducted, and dose levels of surround ing areas. Report: "Exposures Prior to 1960: Report of Test Manager's Committee to Establish Fallout Doses to Commun ities Near the Nevada Teat Site, April 1959. *Descriptors:* Consent; Consent Forms; Ethics; Experiments; Fallout; Human Subjects; Nevada Test Site (Mercury Nevada); Scientific Data; Scientific Method; Argonne National Laboratory (DOE/ANL).

**DOE-042195-B** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 11, April 20, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-042195-C** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* The most recent document releases to the DOE reading room from Los Alamos National Laboratory. *Descriptors:* Records; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**DOE-042195-D** 1 document; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Report: Andrew H. Dowdy. NEPA Project Report 1019-IER-17 "Tabulation of Available Data Relative to Biology." 1940. AT-04-1-GEN-60. *Descriptors:* Scientific Data; Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA).

**DOE-042495-A** 4 boxes; 6 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Lawrence Berkeley Laboratory, UCB The Bancroft Library, U of Cal, Office of the President, San Fransico, and LBL Hoover Institution. *Contents Description:* Documents retrieved by the Lawrence Berkeley Laboratory Human Radiation Experiments Records Search and Retrieval Project from the University of California: San Francisco, Berkeley, University Archives and Office of the President. There are also a few folders containing documents from LBL Phase II, The Hoover Institution at Stanford University and documents from the Robert Stone papers at the University of Washington. (Please view Accession Contents for individual box reviews.) *Descriptors:* CAL 1 2 or 3; Experiments; Plutonium Injections; Radiation--Ionizing; Scientific Data; Scientific Method; University Research; Joseph Hamilton; Department of Defense (DOD); Department of Energy (DOE); Lawrence Berkeley Laboratory (AEC/LBL); Stanford University; University of California - Berkeley (UCB); University of California - San Francisco (UCSF); University of Washington.

**DOE-042495-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* The DOE answers questions posed by ACHRE staff, re: overview of medical benefits associated with human radiation studies. *Descriptors:* Department of Energy (DOE).

**DOE-042495-C** 1 folder; 0.05 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Contents Description:* Questions posed from ACHRE staff to Los Alamos National Labs, regarding 1950 decision to begin routine weather forecasting and radiological monitoring for the RALA tests and whether the Pueblo Indians were informed of the tests. Also, documentary evidence is included. *Descriptors:* Experiments; Fallout; Radiation--Ionizing; Releases of Radioactivity; Vulnerable Populations; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL).

**DOE-042595-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Attached is our summary of the Status of the priority Advisory Committee requests, based on the meeting of April 19, 1995. *Descriptors:* Records; Department of Energy (DOE).

**DOE-042695-A** 1 document; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* DOE list of documents held by the Office of Human Radiation Experiments and forwarded from INEL for ACHRE requests 102694-B, E, J, K, and L. *Descriptors:* Records; Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-042695-B** 1 folder; 0.02 cu.ft. *Source:* Department of Energy, Records Holding Center. *Collection:* Atomic Energy Commission Organization and Management Directives and AEC Manual. *Contents Description:* Records retrieved by Committee staff concern AEC policy on matters such as functions and responsibilities of the Division of Biology and Medicine functions, Oak Ridge Directed Operations, for scientific personnel, procedures for obtaining isotopes and medical investigation of alleged disabilities from special hazards. *Descriptors:* Medical Diagnosis; Medical Records; Medical Therapies; Occupational Health; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-042795-A** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* from ORISE. *Contents Description:* ORISE answers questions posed by ACHRE staff with supporting documents, for the following topics: AEC Isotope Licensing requirements, assurance of the protection of human subjects to whom AEC - sponsored radioisotopes were to be administered, patients treated with Gallium-72, and an in-depth analysis of the Gallium clinical studies at ORINS with use of available information and documentation. *Descriptors:* Experiments; Guidelines/Regulations; Medical Therapies;Research--Nontherapeutic; Atomic Energy Commission (AEC); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-042995-A** 1 box; 1.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* LBL at UCLA. *Contents Description:* Documents from the UCLA special collections library and from the UCLA University Archives. The papers of Stafford Warren represent the bulk of the accession. His admin files, personal papers, and report collection all circa 1950's, are included. *Descriptors:* Animal Experimentation; Atomic Tests; Biological Effects; Consent; Ethics; Experiments; Guidelines/Regulations; Human Subjects; Medical

Diagnosis; Medical Laboratories; Medical Therapies; Radiation--Ionizing; Scientific Data; University Research; Volunteers; Weapons Effectiveness; Weapons Research; Stafford Warren; Lawrence Berkeley Laboratory (AEC/LBL); University of California - Los Angeles (UCLA).

**DOE-050195-A** 5 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* LoveLace Institute. *Contents Description:* Collection of letters between the Lovelace Institute and the Office of Human Radiation Experiments (DOE), concerning questions posed to the OHRE about Lovelace. Lovelace contents that no human radiation experiments were ever conducted at any of their facilities. *Descriptors:* Experiments; Department of Energy (DOE).

**DOE-050195-B** 11 documents; 0.095 cu.ft.; inventory available. *Source:* Department of Energy, Argonne National Laboratory: Committee on Human Health Research. *Collection:* Argonne National Laboratory. *Contents Description:* Letter from Dr. Schlenker of Argonne National Laboratory with attachments. Documents are all from the early 50's and relate to the use of human subject in research. (Please see the accession contents for a document by document index.) *Descriptors:* Ethical Policies; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Prisoners; Radiation--Ionizing; Total Body Irradiation; Voluntariness; Volunteers; Austin Brues; Argonne National Laboratory (DOE/ANL).

**DOE-050295-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* ORISE. *Contents Description:* Outline sent by Oak Ridge Institute for Science and Education, Medical Sciences Division, containing written responses to requests from ACHRE. *Descriptors:* Records; Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-050295-B** 1 folder; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* LANL. *Contents Description:* Documents gleaned from Los Alamos Archives during ACHRE staff site visit from papers of R.M. Underhill. *Descriptors:* Cloud Sampling; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Secrecy; Robert Oppenheimer; Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL); Manhattan Engineer District (War/CE/MED); University of California - Berkeley (UCB).

**DOE-050295-C** 1 box; 1 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* INEL. *Contents Description:* Additional Documents from the Idaho Operations Office regarding additional information on radiological and environmental planning, safety precautions, and measures taken to notify or protect the public in connection with several experiments involving intentional releases of radioactivity to the environment. See accession contents for a document by document index. *Descriptors:* Biological Effects; Fallout; Intentional Releases; Radiation--Ionizing; Releases of Radioactivity; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-050295-D** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* A list of supporting documentation for experiments identified in our Experiments Database. *Descriptors:* Experiments; Records; Department of Energy (DOE).

**DOE-050395-A** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE Public Reading Room. *Contents Description:* The most recent documents that have been released to the DOE public reading room. *Descriptors:* Records; Department of Energy (DOE).

**DOE-050395-B** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Hanford. *Contents Description:* Documents requested by the committee during staff member site visit to the Richlands Operations Office on March 23-24. Included are excerpts from the Franklin Mathias Diary, partial Monthly reports from the General Counsel, and misc. correspondence. For a more in-depth description see letter from Richland Ops. Office included in accession. *Descriptors:* Occupational Guidelines; Occupational Health; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-050395-C** 1 document; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* ORISE. *Contents Description:* The log book prepared by Mrs. Sue Holloway of the contents of the six boxes (B-82-1 through B-82-6) of documents relating to the Dwayne Sexton case. Not all the documents relate specifically to Mr. Sexton or his case; some concern issues of general interest on the case, i.e., the documents in box 82-1 contain information about the METBI and LETBI irradiation facilities without reference to Mr. Sexton. *Descriptors:* Records; Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-050395-D** 2 folders; 0.4 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory: Computing, Information & Communications Division. *Collection:* Los Alamos National Laboratory. *Contents Description:* Selective documents from the papers of Robert Underhill, re: primarily pertains to insurance issues with LANL employee's. *Descriptors:* Experimental Methods; Experiments; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation Injury; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL).

**DOE-050495-A** 1 box; 1.5 cu.ft. *Source:* Grabrielle Boudreau (Department of Energy). *Collection:* X-10 Lab records Dept. *Contents Description:* Eclectic collection of memo's and reports from Oak Ridge National Laboratory, from the MMES-ORNL Central files. *Descriptors:* Atomic Tests; Experimental Methods; Experiments; Fallout; Radiation--Ionizing; Scientific Data; Scientific Method; Voluntariness; Volunteers; Atomic Energy Commission (AEC); Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-050495-B** 1 document; 0.02 cu.ft. *Source:* Department of Energy, Office of Declassification: Policy and Quality Manangement Division. *Contents Description:* Declassification Guide for Responsible Reviewers, 3/30/46. *Descriptors:* Secrecy; Department of Energy (DOE).

**DOE-050495-C** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* David Harrell's notes of the file folder inventory of the General Counsel's Office Vault Historical files. *Descriptors:* Records; Department of Energy (DOE).

**DOE-050595-A** 9 documents; 0.09 cu.ft. *Source:* Department of Energy. *Contents Description:* Finding aids obtained by staff at the DOE records holding center. Described as Security Policy files. *Descriptors:* Records; Department of Energy (DOE).

**DOE-050595-B** 2 documents; 0.07 cu.ft. *Source:* Department of Energy, Oak Ridge Classification and Information Control Office. *Contents Description:* Part 1 and 2 of a faxed copy of the DOE "Security Manual." . *Descriptors:* Secrecy; Department of Energy (DOE).

**DOE-050595-C** 1 folder; 0.05 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Oak Ridge, docs. ES-528 through ES-569, Director's files docs. Karl Morgan's files NMES-ORNL 4500 s Attic. *Contents Description:* Documents selected by ACHRE staff during 2/23/95 site visit of Oak Ridge National Laboratory. Documents include reports and correspondence found in the files of Karl Morgan. *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Federal Laboratories; Guidelines/Regulations; Human Subjects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiation Injury; Karl Morgan; Atomic Energy Commission (AEC); Oak Ridge Associated Universities (ORAU); Oak Ridge National Laboratory (DOE/ORNL); University of Rochester.

**DOE-050595-D** 1 document; 0.04 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* DOE response to requested Idaho documents listed in ACHRE 102694-B-0 and 102694-D. *Descriptors:* Records; Department of Energy (DOE).

**DOE-050595-E** 2 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* LBL. *Contents Description:* Letters regarding information from LBL about the search for an infant death record for Helen Narsanin. *Descriptors:* Records; Department of Energy (DOE); Lawrence Berkeley Laboratory (AEC/LBL).

**DOE-050595-F** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Idaho Operations Office Reading Room. *Contents Description:* List of the most recent documents released to the Idaho Operations Office Reading Room. *Descriptors:* Records; Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-050695-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* ORISE. *Contents Description:* A few pages extracted from the book "The Trail of the Invisible Light: From X-Strahlem to Radiobiology." by E.R.N. Grigg, M.D. According the attached letter from ORISE these excerpts demonstrate that ORISE as a "prime (Management and Operating) contractor to AEC/DOE, ORINS/ORAU/ORISE was/is exempt from licensing for the use of radionuclides. *Descriptors:* Protection/Shielding; Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL) .

**DOE-050895-A** 3 boxes; 4.5 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* LBL IV 721573 - 723095. *Contents Description:* LBL documents with the following CIC numbers 721573-723095. *Descriptors:* No descriptors.

**DOE-050895-B** 2 documents; 0.07 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Idaho Operations Office. *Contents Description:* Transcripts of interviews with J.R. Horan and C.W. Sill, on 8/18/94, by Thomas L. Baccus. *Descriptors:* Interviews; Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-050895-C** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 12, May 8, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of

Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-050895-D** 7 documents; 0.06 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Redacted copies of selected pages from material relating to the Boston/Oak Ridge studies. *Descriptors:* Biological Effects; Experimental Methods; Experiments; Radiation--Ionizing; Oak Ridge National Laboratory (DOE/ORNL).

**DOE-050895-E** 1 document; 0.08 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Minutes of the Thirty-Ninth Meeting of the General Advisory committee to the US Atomic Energy Commission on 3/31/54 and 04/1 - 2/54 in Washington DC, and other documents related to the evacuation of Natives of Utirik Atoll, 03/04/54. *Descriptors:* Bikini Atoll; Fallout; Harm; Marshall Islands; Radiation--Ionizing; Radiation Injury; Vulnerable Populations; Atomic Energy Commission (AEC); Navy (DOD/USN).

**DOE-050995-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Richland Reading Room. *Contents Description:* Memo: to E.S. Ball from F.A.R. Stainken, dated 09/08/48, regarding Stack Gas Conference at Washington D.C. *Descriptors:* Biological Effects; Intentional Releases; Meetings; Hanford Site (Richland Washington).

**DOE-051095-A** 2 folders; *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* mmes-ORNL snyders. *Contents Description:* Collection of published reports and published articles on assorted subjects from the 50's throughout the 70's: various Strontium 90 Union Carbide studies, tracer studies, inhalation experiments with noble gases, numerous studies using urinary analysis for body distribution of radioactive substances, reports regarding the effects of radiation and thon pregnant women, fetuses, and children; and a myriad of other reports all involving medical experiments using radioactive substances. *Descriptors:* Biological Effects; Children; Experimental Equipment; Experimental Methods; Experiments; Federal Laboratories; Human Subjects; Medical Diagnosis; Medical Equipment; Medical Therapies; Pregnant Women; Radiation--Ionizing; Scientific Data; Scientific Equipment; Scientific Method; University Research; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-051095-B** 1 folder; 0.15 cu.ft. *Source:* Department of Energy. *Collection:* DOE Records Holding Center RG 326, box 326-81-6 #1. *Contents Description:* This collection contains reports and correspondence concerning the re-survey and possible resettlement of contaminated atolls in the Marshall Islands. Documents date from 1954-56, from Brookhaven, Argonne, DOD/MLC, and AEC general managers office. *Descriptors:* Atomic Tests; Bikini Atoll; Biological Effects; Fallout; Harm; Marshall Islands; Radiation--Ionizing; Scientific Data; Scientific Method; Vulnerable Populations; Weapons Effectiveness; Weapons Research; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL); Military Liaison Committee to AEC (DOD/OSD/MLC).

**DOE-051095-D** 1 document; 0.15 cu.ft. *Source:* Department of Energy, Battelle Pacific Northwest Laboratories. *Collection:* Battelle. *Contents Description:* Report: R.J. Brouns, J.J. Fuquay, C.L. Simpson. "Results of a Test for Samplings in I -131 Plumes." Hanford Laboratories Operation General Electric Company. April 18, 1963. HW-77387. Latest version of declassification review. *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Fallout; Intentional Releases; Battelle Memorial Institute (Battelle); Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-051195-A** 1 document; 0.04 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Most recent 05/11/95 documents released to the DOE reading room from the Idaho Operations Office. *Descriptors:* Records; Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-051195-B** 1 folder; 0.3 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Richlands Operations Office. *Contents Description:* Contains documents relating to the staff member visit of March 23-24. Included are documents pertaining to the Joyce Beno radiation litigation claim and to the medical condition of Galvin B. Wallace. Also, a reprint of an article entitled "Excretion and Retention by Humans of Chronically Inhaled Uranium Dioxide," Health Physics, Vol. 18, pp. 233-244. *Descriptors:* Biological Effects; Experimental Methods; Experiments; Law & Legal Issues; Occupational Guidelines; Occupational Health; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-051295-A** 10 documents; 0.3 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* ORNL. *Contents Description:* Documents requested by staff from Oak Ridge National Laboratory, includes docs. labeled ES-627 - ES-636. A truly eclectic mix of technical reports, published articles, and correspondence ranging chronologically from the mid 40's to the early 70's, from Mmes-ORNL central files, KZ

Morgan files, and Snyder's files. *Descriptors:* Biological Effects; Children; Fallout; Fallout Countermeasures; Radiation--Ionizing; Suppression of Uptake of Radioisotopes; Karl Morgan; Wright Langham; Manhattan Engineer District (War/CE/MED); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-051595-A** 7 documents; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* ORNL. *Contents Description:* Seven documents sent from Oak Ridge National Laboratory's Directors Files that were requested by ACHRE staff. Includes two memo's by KZ Morgan, a report and memo relating to a proposed Crytogeneic Studies at Hiroshima and Nagasaki 1964, three memo's concerning toxicological information on waste generated at AEC facilities during 1959, and more. *Descriptors:* Beryllium; Biological Effects; Experimental Methods; Experiments; Fallout; Guidelines/Regulations; Toxicity; Training; Carroll Wilson; Karl Morgan; Atomic Energy Commission (AEC); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-051595-B** 2 documents; 0.15 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Most recent releases to the DOE public reading room from the Idaho Operations Office. *Descriptors:* Records; Department of Energy (DOE).

**DOE-051595-C** 1 box; 2 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Contents Description:* Included in this box are the following collections of CIC documents: DOE-Oak Ridge XX 723788 - 723874, LANL XXIV 723875 - 723880, DOE-HQ XVI 723881 - 723890, ANL VI 723891 - 723928, DOE-Oak Ridge XXI 723929 - 723969, DOE-Oak Ridge XXII 723970 - 724027, ANL VII 724028 - 724038. *Descriptors:* No descriptors.

**DOE-051595-D** 4 documents; 0.01 cu.ft. *Source:* M. Gerber (Department of Energy). *Collection:* Richland Washighton. *Contents Description:* (1)Memo/Report: "Proposed Revision of Tolerances for I-131, 12/17/45." H.M. Parker Chief Supervisor H.I. Section. (2). "Effect of Dissolver off-gas Scrubbers on Required Cooling Time," 07/26/48 HW-10568. (3). Memo: to S.T. Cantril, M.D. from Parker, "Xenon and Iodine Concentrations in the Environs of the T and B Plant," 12/11/45 HW-7-3005. (4). Memo: W.D. Norwood, M.D. from Parker. "Tolerable Concentration of Radio-Iodine on Edible Plants," 01/14/46 HW-7-3217. *Descriptors:* Intentional Releases; Occupational Health; Protection/Shielding; Scientific Data; Scientific Method; Hanford Site (Richland Washington).

**DOE-051695-A** 1 document; 0.13 cu.ft. *Source:* Department of Energy, Office of Scientific and Technical Information (OSTI). *Contents Description:* Report: Andrew H. Dowdy. "Beryllium Symposium." Held at the U of Rochester School of Medicine and Dentistry on the 10 and 11 Dec. 1046. (PRIVACY ACT MATERIALS NOT FOR PUBLIC VIEWING!) *Descriptors:* Beryllium; Harm; Occupational Guidelines; Occupational Health; Atomic Energy Commission (AEC); University of Rochester.

**DOE-051695-B** 1 box; 2 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Contents Description:* Documents described in CIC index, LBL IV 723096 - 723787. *Descriptors:* No descriptors.

**DOE-051795-A** 1 document; 0.07 cu.ft. *Source:* Department of Energy. *Collection:* Brookhaven National Laboratory. *Contents Description:* Report entitled "The History of Brookhaven National Laboratory, Part Four: Section on Boron Neutron Capture Therapy." By Robert P. Crease, to appear in Long Island Historical Journal 7:1 (Fall, 1994). *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; Brookhaven National Laboratory (DOE/BNL).

**DOE-051995-A** 2 documents; 0.1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* CIC # 49174 and 8832. *Contents Description:* Operation Jangle Summary Report: Weapon Effects Tests, 10/01/79, prepared for the Defense Nuclear Agency. And, Radioactive Contamination of Certain Areas in the Pacific Ocean from Nuclear Tests. ed. Gordon M. Dunning, August 1957. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Fallout; Marshall Islands; Military Activities; Vulnerable Populations; Weapons Effectiveness; Weapons Research; Armed Forces Special Weapons Project (DOD/AFSWP); Atomic Energy Commission (AEC); Defense Nuclear Agency (DOD/DNA).

**DOE-051995-B** 4 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* OHRE. *Contents Description:* Memo by K.P Cronkite dated April 21, 1954, entitled "Preliminary Report of Project 4.2." "Operation Castle," Radiological Safety, Final Report Vol. II (item # 51031). Report of the Division of Biology and Medicine (DBM), US AEC meeting in Washington, DC on December 19-20, 1956. DBM Files, "Rongelap Natives to be Returned to their Homes," March-May, 1954. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Marshall Islands; Occupational Guidelines; Radiation--Ionizing; Radiation Injury; Scientific Data; Vulnerable Populations; Atomic Energy Commission (AEC); Defense Nuclear Agency (DOD/DNA); Division of Biology and Medicine (AEC/DBM).

**DOE-052295-A** 1 folder; 0.1 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* History Division. *Contents Description:* AEC General Managers Reading File, January 1947 through Feb. 1948. Documents related to AEC policy on human radiation experimentation, isotope distribution and management of Oak Ridge. RG 326, Box 5501. *Descriptors:* Guidelines/Regulations; Oak Ridge Associated Universities (ORAU).

*Sources and Documentation*

**DOE-052295-B** 1 document; 0.02 cu.ft. *Source:* Department of Energy, Hanford Health Information Network Resource Center. *Collection:* HHIN. *Contents Description:* Jim Thomas. "Atomic Deception: Oh, What a Tangled Web!" from Hanford Education Action League, 'Perspective,' summer/fall 1992, No. 10-11. *Descriptors:* Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-052295-C** 1 document; 0.02 cu.ft. *Source:* Department of Energy, DOE Public Reading Room. *Contents Description:* Report: by S.T. Cantril and H.M. Parker. "The Status of Health and Protection at Hanford Engineer Works. 8/24/45. HW-7-2136. *Descriptors:* Biological Effects; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Scientific Data; Scientific Method; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-052395-A** 2 documents; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* ORNL. *Contents Description:* Comments that Helen Vodopick M.D. prepared for her personal file in Sept. 1981, following the Sept. 21, 1981 hearing before the Gore Subcommittee on the Total Body Irradiation program at Oak Ridge. Also a chapter excerpt, "Immunitherapy of Human Acute Leukemia." by Peter Alexander and Raymond Powles, cited from Clinics in Haematology-Vol. 7 No. 2 June 1978. *Descriptors:* Consent; Ethics; Experimental Methods; Experiments; Human Subjects; Total Body Irradiation; Eugene Saenger; Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-052395-B** 1 document; 0.02 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos. *Contents Description:* Collection of documents the Bayo canyon and Radiolanthanum (RaLa) program. *Descriptors:* Experiments; Fallout; Intentional Releases; Radiation--Ionizing; Scientific Method; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL).

**DOE-052395-C** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* OHRE, oral history. *Contents Description:* Oral History transcript of John W. Healy. *Descriptors:* Green Run; Interviews; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-052495-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 13, May 22, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-052495-B** 2 documents; 0.08 cu.ft. *Source:* Department of Energy, Office of Health Studies. *Collection:* OHRE. *Contents Description:* First, a written response by Dr. Robert A. Conard to questions posed by ACHRE staff regarding the resettlement of Rongelapese people. AEC report entitled "Return of Rongelapese to their Home Island." A Report to the General Manager by the Director of Biology and Medicine, dated 02/6/57. *Descriptors:* Atomic Tests; Bikini Atoll; Marshall Islands; Military Activities; Radiation--Ionizing; Radiation Injury; Vulnerable Populations; Atomic Energy Commission (AEC); Department of Energy (DOE).

**DOE-052595-A** 4 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* OHRE response to ACHRE Requests 050995-A, B, F concerning the status of declassification requests for documents identified at OSTI and NARA. . *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Cloud Sampling; Fallout; Military Activities; Weapons Effectiveness; Weapons Research; Department of Defense (DOD); Joint Committee on Atomic Energy (Congress); Military Liaison Committee to AEC (DOD/OSD/MLC); Naval Radiological Defense Laboratory (DOD/USN/NRDL).

**DOE-052595-B** 1 document; 0.08 cu.ft. *Source:* Department of Energy, Office of Declassification. *Contents Description:* "Declassification Guide for Responsible Reviewers," Nov. 15, 1950. *Descriptors:* Guidelines/Regulations; Secrecy; Department of Energy (DOE).

**DOE-052695-A** 7 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* BNL . *Contents Description:* Seven items requested by the advisory committee from Brookhaven National Labs, please see accession contents for more detail. *Descriptors:* Records; Brookhaven National Laboratory (DOE/BNL).

**DOE-052695-B** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE public Reading Room. *Contents Description:* List of most recent documents released to the DOE Public Reading Room. *Descriptors:* Records; Department of Energy (DOE).

**DOE-052695-C** 4 documents; 0.05 cu.ft. *Source:* Department of Energy. *Collection:* DOE Germantown Archives. *Contents Description:* Four memo's retrieved by staff from the DOE Germantown Archives that discuss a proposed Promethium 144 and Plutonium 237 ingestion, injection, and inhalation studies in 1966. *Descriptors:* Experiments; Plutonium Injections; Prisoners; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-053095-A** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Richland Field Office: Public Reading Room. *Collection:* Richland. *Contents Description:* Report from Richland Reading Room, "Columbia River Situation - A Semi-Technical Review," 08/19/54, HW-32809. *Descriptors:* Guidelines/Regulations; Occupational Guidelines; Occupational Health; Scientific Data; Scientific Method; Hanford Site (Richland Washington).

**DOE-060295-A** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* The most recent documents released to the DOE public reading room. *Descriptors:* Records; Department of Energy (DOE).

**DOE-060295-B** 1 folder; 0.35 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Los Alamos National Laboratory. *Contents Description:* Enclosed are excerpts of requested documents from Los Alamos National Labs, regarding Bayo canyon and RaLa program. Also included the LANL Human Studies Project Log, a spreadsheet list of documents identified by the Human Studies Project, by subject; dated 03/22/95. (Please see accession contents for a more complete description of requested documents.) *Descriptors:* Atomic Tests; Biological Effects; Experiments; Fallout; Los Alamos National Laboratory (DOE/LANL); University of California - Berkeley (UCB).

**DOE-060295-C** 11 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Energy, Office of Scientific and Technical Information (OSTI). *Collection:* OSTI. *Contents Description:* Eleven eclectic documents requested by staff from OSTI, see accession contents for a document by document index. *Descriptors:* Animal Experimentation; Biological Effects; Experiments; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Joseph Hamilton; Argonne National Laboratory (DOE/ANL); Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA); University of California - Berkeley (UCB): Radiation Laboratory; University of Chicago: Metallurgical Laboratory.

**DOE-060795-A** 1 document; 0.25 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Copy of the index/finding aid to the Tommy McCraw files. *Descriptors:* Records; Department of Energy (DOE).

**DOE-060895-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination and Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 14, June 5, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-060895-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Richland Operations Office. *Contents Description:* Finding aid for a set of boxes possibly containing records of occupational exposure and experiments of opportunity, from the Richland Operations Office Hanford, Washington. *Descriptors:* Records; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-061195-A** 1 document; 0.08 cu.ft. *Source:* Department of Energy, Advisory Committee on External Regulation of DOE Nuclear Activities. *Contents Description:* EPA report: "Estimating Radiogenic Cancer Risks" EPA 402-R-93-076 June 1994. *Descriptors:* Medical Diagnosis; Radiation--Ionizing; Radiation Injury; Scientific Data; Scientific Method.

**DOE-061195-B** 31 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* INEL. *Contents Description:* Idaho National Engineering Laboratory documents covering a range of topics requested by the committee, please see accession contents for a complete document inventory. *Descriptors:* Intentional Releases; Long Range Detection; Radiation--Ionizing; Reactors; Idaho National Engineering Laboratory (DOE/INEL); National Aeronautics and Space Administration (NASA).

**DOE-061295-A** 1 document; 0.1 cu.ft. *Source:* Department of Energy. *Collection:* Hanford. *Contents Description:* Report: Scott Davis, Kenneth Kopecky, Thomas E. Hamilton, Bruce Amundson, and Peggy Adams Myers. "Hanford Thyroid Disease Study: Pilot Study Final Report." Fred Hutchinson Cancer Research Center. CDC Contract Number 200-899-0716. January 24, 1995. *Descriptors:* Biological Effects; Occupational Health; Radiation--Ionizing; Radiation Injury; Scientific Data; Scientific Method; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-061295-B** 7 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Idaho Engineering Laboratory. *Contents Description:* Seven documents requested from Idaho Engineering Laboratory regarding the Snaptran Tests and Idaho Boiling Water Reactor Experiment, all from record group T070035. (Please see accession contents for a document by document inventory.) *Descriptors:* Protection/Shielding; Radiation--Ionizing; Reactors; Scientific Data; Scientific Equipment; Scientific Method; Idaho National Engineering Laboratory (DOE/INEL); National Aeronautics and Space Administration (NASA).

*Sources and Documentation*

**DOE-061395-A** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* General Manager's Reading File. *Contents Description:* Records retrieved by ACHRE staff from the Atomic Energy Commission General Manager's Reading File. Subjects include AEC discussion of human experimentation, classification of research involving humans, isotope distribution and management of Oak Ridge National Laboratory. The time period covered is Nov. 1946 through Feb. 1948. *Descriptors:* Classified Research; Consent; Ethical Guidelines; Ethical Standards; Experimental Methods; Human Subjects; Informed Consent; Plutonium Injections; Radiological Warfare; Research--Nontherapeutic; Research--Therapeutic; Secrecy; Subject Consent; Volunteers; Alan Gregg; Carroll Wilson; Edward Huddleson; Leslie Groves; Robert Stone; Stafford Warren; Advisory Committee on Biology and Medicine (AEC/ACBM); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-061395-B** 3 documents; 0.01 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Division of Biology and Medicine. *Contents Description:* Documents concern possible effects to commercial pilots and flight crews from fallout and the production of cobalt-59 in atomic devices. *Descriptors:* Fallout; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM).

**DOE-061395-C** 4 documents; 0.02 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Division of Biology and Medicine. *Contents Description:* Memoranda between B. Scoger of the DOE History Division and various classification officers in other agencies regarding requests for declassification by Committee staff. *Descriptors:* No descriptors.

**DOE-061395-D** 2 folders; 0.5 cu.ft. *Source:* Department of Energy, Historian's Office Archives: Germantown. *Collection:* Division of Biology and Medicine. *Contents Description:* Documents identified by Committee staff during a review of classified and unclassified DBM collections at the History Division. Documents date from late 1940s to mid 1960s. Subjects include radiation hazards, use of radiation in medical practice, fallout, occupational health, AEC fellowship program, and Utah thyroid studies. *Descriptors:* Animal Experimentation; Atomic Tests; Biological Effects; Children; Contract Laboratories; Contracts/Contractors; Dose Reconstruction; Experiments; Fallout; Medical Diagnosis; Medical Equipment; Medical Laboratories; Medical Therapies; Military Activities; Monitoring; Nevada Test Site (Mercury Nevada); Occupational Guidelines; Occupational Health; Pregnant Women; Radiation--Ionizing; Radiation Injury; Research--Nontherapeutic; Research--Therapeutic; University Research; Vulnerable Populations; Charles L. Dunham; David E. Lilienthal; Shields Warren; Advisory Committee on Biology and Medicine (AEC/ACBM); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Division of Military Application (AEC/DMA); Los Alamos National Laboratory (DOE/LANL); Military Liaison Committee to AEC (DOD/OSD/MLC); Oak Ridge Institute for Nuclear Studies (ORINS).

**DOE-061395-E** 2 folders; 0.5 cu.ft. *Source:* Department of Energy, Records Holding Center. *Collection:* Division of Biology and Environmental Research. *Contents Description:* Documents from the early 1950s through the mid-1960s on subjects such as uranium miners and mill workers, Marshallese Islanders, workers' safety programs and occupational helath as well as radiation standards and hazards. *Descriptors:* Atomic Tests; Beryllium; Bikini Atoll; Biological Effects; Fallout; Federal Laboratories; Marshall Islands; Monitoring; Nevada Test Site (Mercury Nevada); Occupational Guidelines; Occupational Health; Radiation--Ionizing; Uranium Mining/Miners/Milling; Austin Brues; Charles L. Dunham; Merrill Eisenbud; Paul C. Aebersold; Robert Stone; Shields Warren; Argonne National Laboratory (DOE/ANL); Atomic Bomb Casualty Commission (ABCC); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Hanford Site (Richland Washington); Joint Committee on Atomic Energy (Congress); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-061495-A** 1 document; 0.12 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* DOE Oral History Project. *Contents Description:* Transcript of interview with Dr. George Voelz M.D. conducted on Nov. 29, 1994 by the Office of Human Radiation Experiments DOE Oral History Project. DOE/EH-0454. *Descriptors:* Interviews; Department of Energy (DOE).

**DOE-061495-B** 2 boxes; 3 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. *Contents Description:* LBL V CIC document numbers 724039 - 724951. *Descriptors:* Department of Energy (DOE); Lawrence Berkeley Laboratory (AEC/LBL).

**DOE-061695-A** 3 audio tapes *Source:* Department of Energy. *Contents Description:* Three audio tapes containing an interview with William J. Blair. *Descriptors:* Interviews; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-062095-A** 2 documents; 0.2 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Collection:* Idaho operations office and Oak Ridge National Laboratory. *Contents Description:* Most recent document releases sent to the DOE public reading room from both Idaho National Laboratory and Oak Ridge

National Laboratory. *Descriptors:* Records; Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-062195-A** 5 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Five journal articles related to a Colorado State Penitentiary Prisoner Radiation Experiment. *Descriptors:* Prisoners; Department of Energy (DOE).

**DOE-062295-A** 34 documents; 0.15 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory (LANL). *Contents Description:* Declassified documents from Los Alamos National Laboratory regarding RALA , cloud sampling, bayo canyon, and radiological defense training all from the late 40's to mid 50's. *Descriptors:* Biological Effects; Cloud Sampling; Fallout; Fallout Countermeasures; Radiation--Ionizing; Radiological Warfare; Training; Department of Energy (DOE).

**DOE-062395-A** 1 document; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Pamphlet: "Handling Radioactive Waste Materials in the United States Atomic Energy Program," June of 1950. Prepared for and in cooperation with DOD and the AEC. *Descriptors:* Guidelines/Regulations; Radiological Warfare; Atomic Energy Commission (AEC); Department of Defense (DOD).

**DOE-062395-B** 4 documents; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* AEC meeting minutes extracts regarding the declassification of Project Sunshine. *Descriptors:* Secrecy; Willard F. Libby; Atomic Energy Commission (AEC).

**DOE-062995-A** 5 boxes; 3.5 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Five boxes containing documents requested by ACHRE staff during March site visit to Los Alamos National Laboratory. *Descriptors:* Cloud Sampling; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Scientific Data; Scientific Equipment; Scientific Method; Weapons Effectiveness; Weapons Research; Robert Oppenheimer; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL).

**DOE-062995-B** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 15, June 28, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-063095-A** 2 boxes; 6 cu.ft.; inventory available. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Collection:* LBL VI; CIC Document # 724952 -724991. *Contents Description:* Documents from Lawrence Berkeley Laboratory. Progress reports, reports, correspondence from the University of California Radiation Laboratory (UCRL). *Descriptors:* University of California - Berkeley (UCB): Radiation Laboratory.

**DOE-070595-A** 1 folder; 0.2 cu.ft. *Source:* Department of Energy, History. *Collection:* RG 326, Division of Biology and Medicine. *Contents Description:* Documents retrieved by ACHRE staff during 1994 review of unclassified Division of Biology and Medicine Collection. Subjects include: total body irradiation, metabolic studies, boron neutron capture therapy, procedure for medico-legal claims, use of radioisotopes, radiation therapy, atomic testing, fallout, fellowship program, Project Sunshine, and human fetal tissue research . *Descriptors:* Animal Experimentation; Atomic Tests; Biological Effects; Children; Classified Research; Consent; Contract Laboratories; Contracts/Contractors; Ethical Guidelines; Experiments; Fallout; Federal Laboratories; Grants/Grantees; Human Subjects; Informed Consent; Medical Diagnosis; Medical Ethics; Medical Laboratories; Medical Therapies; Nevada Test Site (Mercury Nevada); Pregnant Women; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Subject Consent; Teletherapy; Total Body Irradiation; Toxicity; University Research; Uranium Mining/Miners/Milling; Volunteers; Vulnerable Populations; Alan Gregg; Carroll Wilson; Charles L. Dunham; David E. Lilienthal; Hymer Friedell; Karl Morgan; Robley Evans; Shields Warren; Stafford Warren; Advisory Committee on Biology and Medicine (AEC/ACBM); Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Allocation and Distribution; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL); Case Western Reserve University; Congress; Division of Biology and Medicine (AEC/DBM); Harvard University; Isotopes Branch (AEC); Joint Committee on Atomic Energy (Congress); Lawrence Berkeley Laboratory (AEC/LBL); Los Alamos National Laboratory (DOE/LANL); Massachusetts General Hospital (MGH); Massachusetts Institute of Technology (MIT); New England Deaconess Hospital; Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-070595-B** 1 folder; 0.02 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory. *Collection:* Los Alamos. *Contents Description:* Documents concerning the Marshallese, with particular concern to the medical implications of fallout. See accessions contents for inventory. *Descriptors:* Atomic Tests; Bikini Atoll; Biological

Effects; Fallout; Human Subjects; Marshall Islands; Medical Diagnosis; Releases of Radioactivity; Vulnerable Populations.

**DOE-070695-A** 2 documents; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* List of documents to be released to the DOE reading room from the Idaho National Laboratory and Hanford. *Descriptors:* Records; Department of Energy (DOE); Hanford Site (Richland Washington); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-070695-B** 1 box; 1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. *Contents Description:* DOE-OAK XXIII CIC # 726670 - 726786. *Descriptors:* Department of Energy (DOE); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-070695-C** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Security Affairs Office of Declassification. *Contents Description:* An AEC report dated 09/30/49, "Classification Guide for Radiological Warfare," Report by the Declassification Branch. *Descriptors:* Secrecy; Department of Energy (DOE).

**DOE-070795-A** 1 folder; 0.03 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments. *Contents Description:* Material received in response to ACHRE Request No. 053095-A. See Accessions contents for inventory. In general, subjects include possible plutonium experiments on human subjects, fallout research program and German human radiation experiments. *Descriptors:* Classified Research; Fallout; Human Subjects; Plutonium Injections; Gould Andrews; Merrill Eisenbud; Robert Stone; Willard F. Libby; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Hanford Site (Richland Washington); Idaho National Engineering Laboratory (DOE/INEL); Oak Ridge Institute for Nuclear Studies (ORINS); Oak Ridge National Laboratory (DOE/ORNL); University of Chicago: Metallurgical Laboratory.

**DOE-070795-B** 1 box; 1 cu.ft. *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. (contractor). *Contents Description:* INEL VI CIC # 726787 - 726958 and INEL VII CIC # 726959 - 727073. *Descriptors:* Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL).

**DOE-070795-C** 1 folder; 0.03 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments. *Contents Description:* Response to various ACHRE requests for declassification of documents. Provides declassified documents (See Contents Description) as well as status of outstanding declassification requests. ACHRE staff began followup on July 11 to determine status of records found at NARA.. *Descriptors:* 49; Bikini Atoll; Classified Research; Contracts/Contractors; Fallout; Marshall Islands; Occupational Health; Radiation--Ionizing; Secrecy; Charles L. Dunham; Joseph Hamilton; Karl Morgan; Robert Conard; Central Intelligence Agency (CIA); Division of Biology and Medicine (AEC/DBM); Lawrence Berkeley Laboratory (AEC/LBL); Lawrence Livermore National Laboratory (DOE/LLNL); Naval Medical Research Institute (DOD/USN/NMRI); Oak Ridge National Laboratory (DOE/ORNL).

**DOE-071095-A** 2 boxes; 2 cu.ft. *Source:* Department of Energy, Reynolds electrical & Engineering Co., Inc. *Collection:* DOE-HQ XVII (Partial) CIC # 724992 - 725508. *Contents Description:* DOE-HQ XVII CIC # 724992 - 725508, These boxes contain reports and correspondence from Brookhaven National Laboratory, circa 1960's - 70's. *Descriptors:* Experiments; Federal Laboratories; Guidelines/Regulations; Human Subjects; Radiation--Ionizing; Records; Brookhaven National Laboratory (DOE/BNL); Department of Energy (DOE).

**DOE-071095-B** 2 folders; 0.4 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory. *Contents Description:* Documents identified by staff members during a site visit to Los Alamos National Laboratory. Documents pertain primarily to cloud sampling during Operation Redwing and Upshot Knothole, also notes from a 1952 POGO staff meeting, also notes and minutes from a 1955 Task Group 7.1 meeting, report regarding RaLa experiments, among other things. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Cloud Sampling; Experimental Methods; Experiments; Fallout; Intentional Releases; Marshall Islands; Military Activities; Radiation--Ionizing; Releases of Radioactivity; Scientific Data; Scientific Method; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL).

**DOE-071295-A** 1 document; 0.1 cu.ft. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Most recently released documents to the DOE public reading room from the Hanford Site. *Descriptors:* Records; Department of Energy (DOE); Hanford Site (Richland Washington).

**DOE-071295-B** 4 documents; 0.2 cu.ft.; inventory available. *Source:* Department of Energy, Office of Human Radiation Experiments (OHRE). *Contents Description:* Four redacted reports from Los Alamos National Laboratory. See accession contents for a document by document description. *Descriptors:* Biological Effects; Experiments; Harm; Human Subjects; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Research--Nontherapeutic; Atomic Energy Commission (AEC); Department of Energy (DOE); Idaho National Engineering Laboratory (DOE/INEL); Los Alamos National Laboratory (DOE/LANL).

**DOE-071395-A** 1 CD *Source:* Department of Energy, Reynolds Electrical & Engineering Co., Inc. *Collection:* Coordination & Information Center (CIC). *Contents Description:* CD Rom copy of CIC databases, Revision 16, July

11, 1995: Fallout Records; Enewetak Cleanup Records; Human Radiation Records; Glenn Seaborg Diary. *Descriptors:* Enewetak; Atomic Tests; Fallout; Human Subjects; Radiation--Ionizing; Records; Releases of Radioactivity; Glenn T. Seaborg; Atomic Energy Commission (AEC); Department of Energy (DOE); Energy Research and Development Administration (ERDA).

**DOE-071395-B** 1 document; 0.01 cu.ft. *Source:* Department of Energy, Los Alamos National Laboratory. *Contents Description:* Atomic Energy Commission Policy on Control of Information, AEC 111/8, 05/02/49. Document was sent in response to an oral request from Patrick Fitzgerald. It is unknown when ACHRE received the document. *Descriptors:* Classified Research; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL).

**DOI-061495-A** 6 documents; 0.2 cu.ft. *Source:* Department of the Interior, Natural Resources Library. *Contents Description:* Six Annual reports by the State Inspector of Mines to the Governor of the State of New Mexico for the Year Endings 1950-52, 54-56. *Descriptors:* Occupational Guidelines; Occupational Health; Uranium Mining/Miners/Milling.

**DOJ-100394-A** 11 documents; 0.8 cu.ft.; inventory available. *Source:* Judith N. Macaluso (Department of Justice). *Contents Description:* Selective material about Begay v. United States, offical court transcripts, defendant's exhibits, and other related documents concerned with Uranium Mines and Miners. *Descriptors:* Agency Histories; Biological Effects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiation Injury; Records; Uranium Mining/Miners/Milling; Department of Justice (DOJ).

**DOJ-011395-A** 3 documents; 0.03 cu.ft.; inventory available. *Source:* Department of Justice, Office of Research and Evaluation. *Contents Description:* Response to request #113094-F. Documents enclosed are: Program Statement 3/23/94, Federal Register, Federal Bureau of Prisons Health Services Manual, 12/15/94. *Descriptors:* Guidelines/Regulations.

**DOJ-051795-A** 1 folder; 0.3 cu.ft. *Source:* Department of Justice. *Contents Description:* Court documents from John N. Begay vs. USA. *Descriptors:* Law & Legal Issues; Uranium Mining/Miners/Milling; Department of Justice (DOJ).

**DOT-121994-A** 1 folder; 0.15 cu.ft. *Source:* Department of Transportation, Research and Special Programs Administration. *Contents Description:* Contains the Dept. of Transportation answer to questions concerning policy and involvement in human experimentation posed by ACHRE staff members. *Descriptors:* Ethical Guidelines; Ethical Policies; Guidelines/Regulations; Human Subjects.

**EPA-110194-A** 3 documents; 0.02 cu.ft. *Source:* Environmental Protection Agency, Office of Federal Activities. *Contents Description:* Printouts of EPA "Environmental Review Tracking System." Three searches of environmental impact statements were conducted in files accessioned from the DOE, NRC, and DNA. The database could not use radiation as a keyword search only the titles of the agencies and the titles of the environmental impact statement. *Descriptors:* Agency Histories; Records; Department of Energy (DOE); Nuclear Regulatory Commission (NRC); Defense Nuclear Agency (DOD/DNA).

**EPA-121594-A** 4 documents; 0.04 cu.ft. *Source:* Environmental Protection Agency. *Contents Description:* Two newspaper articles and two reports regarding the contamination of a park near Lawrence Livermore National Labs. *Descriptors:* Biological Effects; Radiation--Ionizing; Releases of Radioactivity; Scientific Data; Scientific Standards; Lawrence Livermore National Laboratory (DOE/LLNL).

**EPA-010595-A** 6 documents; 0.03 cu.ft.; inventory available. *Source:* Environmental Protection Agency, Office of Health Research. *Contents Description:* Response to request #113094-H. Letter answers questions on current ethics policies and practices. Enclosed documents are: IRB Instructional Packet September 1994 Edition, HERL Policy For all Studies Using Human Subjects or Studies Using Tissue From Human Subjects Dated 8/17/94, Appendix 1 & Appendix 2 CFR, Policy and Procedures On Protection of Human Subjects Order 1000.17A. *Descriptors:* Guidelines/Regulations.

**EPA-041395-A** 2 documents; 0.01 cu.ft. *Source:* Environmental Protection Agency, Federal Facilities Enforcement Office. *Contents Description:* Written responses to ACHRE request 032195-E. *Descriptors:* No descriptors.

**GWU-082194-A** 3 documents; 0.01 cu.ft. *Source:* Jon Harkness (George Washington University ). *Contents Description:* Research & Development use of Volunteers As Subjects Of Research, HQ of Department of the Army, 3/26/62, Letter From Harvard Medical School regarding Critique of Article #16 Of Current Medical Research Contracts Awarded By Surgeon General, Draft regarding Criticisms of "Prinicples, Policies & Rules of the Surgeon General, Department of the Army, relating to the use of Human Volunteers in Medical Research Contracts awarded by the Army. (Jon Harkness faxed these documents) *Descriptors:* Agency Histories; Guidelines/Regulations; Nuremberg Codes/Trials; Department of Defense (DOD); Army (DOD/USA).

**GWU-091394-A** 1 document; 0.02 cu.ft. *Source:* George Washington University , Law Library. *Contents Description:* Doctor of Law Dissertation by Irving Ladimer, "Legal & Ethical Implications of Medical Research On Human Beings. *Descriptors:* Ethics; Law & Legal Issues.

**GWU-041495-A** 1 folder; 0.2 cu.ft. *Source:* George Washington University , National Law Center. *Contents Description:* Documents on litigation against EPA and DOD regarding environmental compliance at a secret Air Force facility in Nevada. *Descriptors:* Law & Legal Issues; Radiation--Ionizing; Department of Defense (DOD).

**HAR-062394-A** 1 folder; 0.5 cu.ft. *Source:* Harvard University, Harvard Medical School. Countway Library. *Collection:* Henry Beecher Papers. *Contents Description:* (1) Correspondence and documents related to Harvard's 1962 response to the Army's regulations on human experimentation; (2) A copy of a paper that Henry Beecher delivered to an audience of journalists and science writers at a symposium sponsored by Upjohn Pharmaceutical Company (and a letter describing the March 1965 symposium). The paper was reworked slightly and later published in the New England Journal of Medicine. The published version caused a great stir. *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects; Informed Consent; University Research; Army (DOD/USA).

**HAR-070794-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Harvard University, Harvard Medical School. *Contents Description:* Final DMR Report On Thyroid Studies Which Incorporates Work of this Group. Includes articles from today's papers reporting on the report. *Descriptors:* Agency Histories.

**HAR-093094-A** 21 documents; 0.05 cu.ft. *Source:* Harvard University, Harvard Medical School: Countway Library, Rare Books. *Collection:* J. Aub Papers. *Contents Description:* Correspondence between members of different research Universities concerning the use of Human Subjects. The development of guidelines in human experimentation is discussed using the Nuremberg code as a starting point. Also included is a list of Radioactive Sodium received in 41 and 42. *Descriptors:* Ethical Guidelines; Guidelines/Regulations; Human Subjects; Medical Ethics; Nuremberg Codes/Trials; Scientific Data; Physical Measurement; Irving Ladimer; H. (Harry) R. Bierman; Leslie Groves; Harvard University; University of Cincinnati.

**HAR-100394-A** 4 documents; 0.01 cu.ft. *Source:* Harvard University, Mass General Hospital. *Contents Description:* 1. May 7, 1949 Harvard Medical School: policy on use of tracer doses of radioactive isotopes in man. From Shields Warren, Joseph Aub and Arthur Soloman. 2. Revision of the above dated August of 1957. From Charles Robinson, Edward Webster, and Arthur Solomon. 3. Title 21 - 21CFR361, 1975, Part 361 - Prescription Drugs for Human Use Generally Recognized as Safe and Effective and not Misbranded: Drugs Used in Research, (refers to dose intakes). *Descriptors:* Radiation--Ionizing; Scientific Data; Scientific Method; Scientific Standards; University Research; Shields Warren; Harvard Medical School.

**HAR-102094-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Harvard University, Department of History of Science. *Collection:* Senior Honors Thesis. *Contents Description:* Senior Honors Thesis, History and Science, Harvard University, 1989 "Occupational Health and Safety in the University Setting: A Case Study of Dr. Harriet Hardy's Occupational Medical Service At the Massachusetts Institute of Technology, Presented by Barbara Looney, 3/89. (Notation at Harvard states "Copying allowed with subsequent notification of author" Author was notified by telephone on 10/19/94.) *Descriptors:* Agency Histories; Harvard University.

**HAR-020995-A** 1 document; 0.04 cu.ft. *Source:* Daniel C. Tosteson (Harvard University). *Contents Description:* Redacted copies of minutes of the Harvard Medical School Administrative Board, for 10/6/61, 3/23/62, and 6/8/62. Concerns discussion of proposed clauses in U.S. Army Medical Research Contracts governing Use of Human Volunteers. Participants in the discussion include Drs. Berry, Gardella, Beecher, Dammin, Karnovsky. *Descriptors:* Guidelines/Regulations; Human Subjects; Law & Legal Issues; Voluntariness; Volunteers; Harvard Medical School.

**HAR-030995-A** 1 document; 0.08 cu.ft. *Source:* Harvard University, Harvard Medical School. *Contents Description:* Report of the Ad Hoc University Committee to Review Aspects of Human Subjects Research, submitted to the Provost of Harvard University January 1995. *Descriptors:* Ethical Guidelines; Ethics; Human Subjects; Harvard Medical School.

**HHS-041194-A** 1 document; 0.01 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health (NIH), Office for Protection from Research Risks. *Contents Description:* (1) Introduction to the history of the human subjects protection system; (2) Evolution of protection for human subjects in research [at NIH]. *Descriptors:* Ethical Guidelines; Ethical Policies; Experiments; Human Subjects; Research Ethics.

**HHS-041394-A** 1 folder; 0.02 cu.ft.; inventory available. *Source:* Department of Health and Human Services. *Contents Description:* Accession date approximate; documents related to human experiemenation and informed consent and NIH support of Eugene Saenger. *Descriptors:* Consent; Experiments; Grants/Grantees; Guidelines/Regulations; Human Subjects; Informed Consent; Radiation--Ionizing; Total Body Irradiation; Eugene Saenger; National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-041894-A** 1 document; 0.01 cu.ft. *Source:* Department of Health and Human Services. *Contents Description:* Statement for the Record, Dr. Donald A. Henderson, Deputy Assistant Secretary for Health - Science, U. S. Public Health Service, Provided to the Subcommittee on Administrative Law and Governmental Relations, Committee on the Judiciary, United States House of Representatives, April 14, 1994, "I am pleased to provide information related to U.S. Public Health Service (PHS) support of research conducted by Eugene L. Saenger, M.D., at the University of

Cincinnati." 5 p. *Descriptors:* Experiments; Grants/Grantees; Human Subjects; Radiation--Ionizing; Total Body Irradiation; Eugene Saenger; Congress; Public Health Service (PHS).

**HHS-050594-A** 2 documents; 0.05 cu.ft. *Source:* Kathy Hudson (Department of Health and Human Services). *Contents Description:* 1. 1979 report prepared by the Interagency Task Force on the Health Effects of Ionizing Radiation. 2. 1979 Effects of Nuclear Weapons Testing on Health Report of the Panel of Experts on the Archive of PHS Documents vol. 1. *Descriptors:* Agency Histories; Biological Effects; Experiments; Radiation--Ionizing; Scientific Data; Scientific Method; Department of Health and Human Services (DHHS).

**HHS-051194-A** 2 documents; 0.01 cu.ft. *Source:* Department of Health and Human Services, Office of the Assistant Secretary for Health. *Contents Description:* Response to 2/1/94 regarding 1/25 testimony before committee, Handwritten List Of Hearing Reports, Publications, Reports, Books, Pamphlets. *Descriptors:* Department of Health and Human Services (DHHS).

**HHS-051294-A** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Kathy Hudson (Department of Health and Human Services). *Contents Description:* Responds To 5/2/94 letter, NIH Progress Reports, Progress Reports From Other Agnecies Index To SF 135's or Samples of 135s. Agencies That Did not Identify Records With SF 135s, List of People HHS Interviewed & Interviewers, CDC Report On Green Run, PHS Policy On Documentation Retention, Index Journal That Published Scientific Papers Geneology of HHS Predecessor Agencies, List of Study Sections For NIH Extramural Program. *Descriptors:* Agency Histories; Interviews; Department of Health and Human Services (DHHS); National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-052594-A** 2 folders; 0.5 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Public Health Service. *Contents Description:* HEW report Effects of Nuclear Weapons Testing on Health, vols. II and III, 1979; Document 11057-B, on the origin and development of the PHS radiation program . *Descriptors:* Radiation--Ionizing; Weapons Research; Public Health Service (PHS).

**HHS-060194-A** 7 documents; 0.1 cu.ft. *Source:* Department of Health and Human Services, Public Health Service: Records Management. *Contents Description:* Records retention policies for PHS. *Descriptors:* Records; Public Health Service (PHS).

**HHS-060694-A** 3 documents; 0.5 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Public Health Service. *Contents Description:* Summary of the history of radiological health activities in PHS; "The Role of the Public Health Service in Radiological Health: 1946-1969," by James Terrill, Jr.; "Overview of Center for Devices and Radiological Health Search for Human Radiation Experiment Records," April 1994. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; Public Health Service (PHS).

**HHS-060794-A** 3 documents; 0.01 cu.ft. *Source:* Department of Health and Human Services, Public Health Service. *Collection:* Information Security Oversight Office, Centers for Disease Control. *Contents Description:* Entries from Centers for Disease Control contract logs; information re: classification of documents. *Descriptors:* Records; Secrecy; Public Health Service (PHS): Centers for Disease Control (CDC).

**HHS-060994-A** 7 documents; 0.01 cu.ft. *Source:* Department of Health and Human Services, Public Health Service: Historian's Office. *Collection:* National Library of Medicine, MSC 376, George Burch Papers, Box 18 or 19. *Contents Description:* A series of letters from George Burch and others regarding surveys of human subjects research practices conducted in the late 1950s and early 1960s. Burch's letter of 4 March 1959 makes specific mention of total-body irradiation. *Descriptors:* Experiments; Human Subjects; Surveys; Total Body Irradiation; George Burch; National Institutes of Health (NIH).

**HHS-061194-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* Materials re: NIH organization. *Descriptors:* Federal Laboratories; National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-061494-A** 2 documents; 0.01 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* "all readily available documents on the Monsanto Chemical Company Laboratory in Dayton, Ohio, and the Clinton Laboratory". *Descriptors:* Private Laboratories; Clinton Laboratory (War/CE/MED); Monsanto Chemical Company; National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-061494-B** 1 document; 0.05 cu.ft. *Source:* Department of Health and Human Services, Public Health Service. *Contents Description:* Arctic Aeromedical Laboratory Technical Report 57-36, "Thyroid activitiy in men exposed to cold," October 1957. *Descriptors:* Experiments; Human Subjects; Public Health Service (PHS).

**HHS-062394-A** 65 documents; 0.3 cu.ft. *Source:* Department of Health and Human Services, National Cancer Institute (NIH/NCI). *Contents Description:* Relevant portions of the National Cancer Institute's National Cancer Advisory Council minutes, 1950-1972. *Descriptors:* Federal Laboratories; National Cancer Institute (PHS/NIH/NCI); National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-062494-A** 1 box; 0.5 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* Materials responsive to staff requests and lists of NIH grants

trhough the Radiation Study Section, 1946-1965, and NIH grants with the term "radiation," 1962-1972 Computer Printout. *Descriptors:* Experiments; Grants/Grantees; National Institutes of Health (NIH); Public Health Service (PHS); Radiation Study Section.

**HHS-062994-A** 37 documents; 0.01 cu.ft. *Source:* Department of Health and Human Services, National Heart, Lung, and Blood Institute (NIH/NHLBI). *Contents Description:* Selected pages of the National Advisory Heart Council minutes from the minutes reviewed on June 27, 1994, from years: 1948,1949,1950,1951,1953,1954,1955,1962,1963,1966. *Descriptors:* Agency Histories; Meetings; Department of Health and Human Services (DHHS).

**HHS-063094-A** 20 documents; 0.01 cu.ft. *Source:* Department of Health and Human Services, National Institute of Diabetes and Digestive and Kidney Diseases (NIH/NIDDKD). *Contents Description:* Selected pages from the minutes of the National Advisory Arthritis and Metabolic Diseases Council after June 27, 1994 review for years 1950 to present. *Descriptors:* Agency Histories; Meetings; Department of Health and Human Services (DHHS).

**HHS-070594-A** 4 documents; 0.01 cu.ft. *Source:* Department of Health and Human Services, Indian Health Service. *Contents Description:* Description of research projects and various correspondence; sex-ratio patterns within the Navajo community; and the NARIS printout of radiation-related research projects. *Descriptors:* Scientific Data; Uranium Mining/Miners/Milling; Department of Health and Human Services (DHHS).

**HHS-071394-A** 2 folders; 0.3 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Collection:* NARA. *Contents Description:* Report on PHS search of PHS records in NARA; sic workgroup reports of the Interagency Task Force on the Health Effects of Ionizing Radiation, June 1979; various records from NARA re: PHS and NIH activities. *Descriptors:* Federal Laboratories; Radiation--Ionizing; Records; National Archives and Records Administration (NARA); National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-072194-A** 1 folder; 0.05 cu.ft. *Source:* Department of Health and Human Services, Public Health Service. *Collection:* Centers for Disease Control (CDC). *Contents Description:* The transmittal described this accession as copies "of a report entitled 'Documents in the Reading Room Related to the Green Run' that CDC has found..Also attached are two copies of an FDA update." This accession contains only the second item. *Descriptors:* Experiments; Green Run; Human Subjects; Radiation--Ionizing; Releases of Radioactivity; Public Health Service (PHS); Public Health Service (PHS): Centers for Disease Control (CDC); Public Health Service (PHS): Food and Drug Administration (FDA).

**HHS-072894-A** 1 folder; 0.05 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Public Health Service. *Collection:* Centers for Disease Control; PHS and NIH General Counsel Offices. *Contents Description:* Materials requested, including CDC report, "Reports in the Reading Room Relating to Green Run," documents from PHS and NIH General Counsel Offices re: legal opinions on human experimentation, reports of the PHS National Advisory Council on Radiation, materials re: 1946 Lasker Award, PL 87-781 (Drug Amerndments Act of 1962, re: informed consent), Estes Kefauver and the Drug Industry by Richard McFadyen. *Descriptors:* Experiments; Green Run; Human Subjects; Law & Legal Issues; Radiation--Ionizing; National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-072894-B** 1 folder; 1 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* As requested, documents relating to human radiation research, inventory of documents relating to the ethical, moral and legal aspects of clinical investigation, report on the search for historical documents related to ethical standards for human subjects research, PHS Public Policy Order (PPO) # 129, 2/8/66 (guidelines for clinical research involving human subjects), PHS policy statement "Grants for Research Projects" (7/1/67), a copy of PHS form 398 (includes current policies and guidelines on research involving human subjects), documents elaborating on the policies contained in PHS form 398, and a list of grants awarded C. Heller and A. Paulsen. *Descriptors:* Consent; Experiments; Human Subjects; Informed Consent; Records; National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-072994-A** 1 document; 0.01 cu.ft. *Source:* North Slope Borough: Ron Bowerman (Department of Health and Human Services). *Contents Description:* Pt. Hope Cancer Study: Report of the Working Party Conference For the IBP/HA Study Of Circumpolar Populations, Pgs. 4. *Descriptors:* Agency Histories; Department of Health and Human Services (DHHS).

**HHS-080194-A** 1 folder; 0.01 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Collection:* NIH: Division of Research and Grants. *Contents Description:* List of Retired Files Of the Division of Research Grants Related To Dr. Chalkley & Dr. Saenger. 12/5/52 Memo From Edward Rourke.. *Descriptors:* Grants/Grantees; Department of Health and Human Services (DHHS); National Institutes of Health (NIH).

**HHS-080494-A** 1 folder; 0.01 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* Letter of 5/11/94 From Dr. Henderson In Response To Senator John Glenn's Questions, Handwritten List Of Radiation Documents Found In Materials At Federal Records Storage Center

Suitland Post 1974 Period. *Descriptors:* Radiation--Ionizing; Records; Department of Health and Human Services (DHHS); National Archives and Records Administration (NARA).

**HHS-081294-A** 1 folder; 0.01 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* List of 28 NIH Awardee Institutions Ranked By Amount Dollars Awarded, List of 28 NIH Awardee Institutions Ranked By Amount Dollars Awarded For Human Subjects Research, List of Six Scientists From Our List of TBI Investigators & Their Awards From NIH. *Descriptors:* Agency Histories; Human Subjects; Total Body Irradiation; Department of Health and Human Services (DHHS); National Institutes of Health (NIH).

**HHS-082694-A** 1 folder; 0.01 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Public Health Service. *Contents Description:* Listings of human subjects protocols approved by CDC Institutional Review Baords (IRB's) in FY 1993 (Attachments I-III) & information concerning the Controlled Environmental Radioiodine (CERT) intentional human subjects raidation exposure at the Idaho National Engineering Laboratory (Attachment IV). Human subjects protocols approved by CDC IRBs in FY 1993. *Descriptors:* Guidelines/Regulations; Department of Health and Human Services (DHHS).

**HHS-083094-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Office of the Assistant Secretary for Health. *Contents Description:* A status report of the number of Helpline calls to the NIH Human Radiation Task Force, as of August 2, 1994. *Descriptors:* Agency Histories; Department of Health and Human Services (DHHS); National Institutes of Health (NIH).

**HHS-090794-A** 1 folder; 0.5 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* From NIH: materials on Robert Stone in NCI records at National Archives. Description of intramural research project of National Arthritis and Metabolic that appears to be related to Armed Forces Special Weapons Project. *Descriptors:* Consent; Ethics; Robert Stone; Department of Health and Human Services (DHHS); National Institutes of Health (NIH).

**HHS-091494-A** 4 folders; 0.5 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* Computer printout of data on ongoing NIH supported research, categorized as Human Radiation - Clinical, Human Radiation - Non Clinical, Human Non Radiation - Clinical, Human Non Radiation - Non Clinical, Materials on following investigators who were identified by ACHRE staff as scientists who had conducted Total Body Irradiation research. Largely consists of progress reports & summary statements. Part of the Privacy Act. Computer Printouts of NIH supported investigators whose names appear to match those of scientists who received AEC distribution isotopes, with bibliography of literature that resulted from their research. Computer printouts of top 20 NIH supported institutions, based on aggregate 5 year funding 1989 - 1993 for all research & for research involving human subjects only. Human subject Jeff Kahn/ACHRE, Anna Mastroianni/ACHRE does not include organs, tissues & bodily fluid. *Descriptors:* Agency Histories; Human Subjects; Total Body Irradiation; Department of Health and Human Services (DHHS); National Institutes of Health (NIH).

**HHS-092694-A** 1 box; 2.5 cu.ft. *Source:* Department of Health and Human Services, Public Health Service. *Collection:* Federal Records Center, Suitland. *Contents Description:* A collection of documents from the files of the Radiological Health Program, regarding: contracts and grants to universities, and intramural project reports. *Descriptors:* Agency Histories; Contracts/Contractors; Experiments; Grants/Grantees; Records; Atomic Energy Commission (AEC); Department of Defense (DOD); Department of Health and Human Services (DHHS).

**HHS-092794-A** 1 folder; 0.15 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Collection:* NARA of Suitland Record Center. *Contents Description:* NIH/PHS activities over the years 1944-1974, with references to some activites that may involve experimentation with ionizing radiation. (Legal size paper) *Descriptors:* Agency Histories; Bikini Atoll; Contract Laboratories; Ethical Guidelines; Ethical Policies; Experiments; Fallout; Fallout Countermeasures; Federal Laboratories; Grants/Grantees; Human Subjects; Interagency Bodies; Medical Therapies; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Records; Scientific Data; Total Body Irradiation; National Cancer Institute (PHS/NIH/NCI); National Archives and Records Administration (NARA); National Institutes of Health (NIH).

**HHS-100594-A** 8 documents; 0.5 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* Computer printout of abstracts of extramural and intramural projects funded in FY 1993, plus answers to staff questions (in correspondence). *Descriptors:* Agency Histories; Records; Department of Health and Human Services (DHHS).

**HHS-100794-A** 52 documents; 0.15 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Collection:* Some NARA and Suitland FRC. *Contents Description:* Computer printout of names of scientists who recieved AEC radioisotopes between 1946-1954, who were also principal investigators on NIH research grants with: coded references to bibliographic citations in the AEC isotope reports and

NIH grant numbers and names of grantee institiutions. Also Three Book excerpts: from Industrial Medicine on the Plutonium Project: Survey and Collected Papers, ed. Robert S. Stone. (New York: McGraw-Hill Book Co., Inc., 1951) Introduction by Stone. Chapter 5, "Hematological Effects of Ionizing Radiations," by L.O. Jacobson, Edna K. Marks, and Egon Lorenz. Chapter 3, "Hematological Studies on Patients Treated by Total-Body Exposure to X-Rays," by B.V.A. Low-Beer and R.S. Stone. Selection of Documents gleaned from NARA and Suitland that are part of NIH/PHS record group, concerning information circa 1944-1974. (see accession contents for more). (Legal Sized) *Descriptors:* Agency Histories; Consent Forms; Experiments; Grants/Grantees; Guidelines/Regulations; Human Subjects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Records; Charles L. Dunham; Dennis Holaday; National Cancer Institute (PHS/NIH/NCI); National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-102694-A** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* Response to request 101894-A. Computer printouts of abstracts of Extramural FY 1993 Competing Continuations both clinical and non - clinical and also ongoing human radiation research clinical and non - clinical. *Descriptors:* Agency Histories; Department of Health and Human Services (DHHS).

**HHS-110494-A** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Office of Extramural Research. *Collection:* Suitland FRC and National Archives. *Contents Description:* Documents concerning the activities of NIH/PHS over the years of 1944-1974. *Descriptors:* Agency Histories; Biological Effects; Contracts/Contractors; Experimental Methods; Experiments; Grants/Grantees; Guidelines/Regulations; Interagency Bodies; Medical Records; Medical Therapies; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Records; Research--Therapeutic; National Institutes of Health (NIH); Public Health Service (PHS); Department of Health and Human Services (DHHS); Department of Health Education and Welfare (DHEW).

**HHS-110694-A** 28 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Office of Extramural Research. *Contents Description:* Collection of documents retrieved from the Suitland and National Archives that are part of the NIH/PHS records group. The collection contains memo's, correspondence, reports, minutes, and procedural manuals.. *Descriptors:* Agency Histories; Biological Effects; Experiments; Grants/Grantees; Guidelines/Regulations; Human Subjects; Meetings; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiation Injury; Records; Research--Therapeutic; Scientific Data; Total Body Irradiation; Department of Health and Human Services (DHHS); Department of Health Education and Welfare (DHEW); National Institute for Arthritis and Metabolic Diseases (PHS/NIH/NIAMD); National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-111894-A** 1 folder; 0.3 cu.ft.15 video tapes ; inventory available. *Source:* Robert C. Eccleston (Department of Health and Human Services). *Contents Description:* Vignettes of Early Radiation Workers, HHS Publication FDA 84-8235 Full Transcipts of Videos. Video tapes are on loan. Please see Accession Contents For Inventory of Tapes. *Descriptors:* Human Subjects; Austin Brues; Department of Health and Human Services (DHHS).

**HHS-121394-A** 9 documents; 0.08 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Collection:* NIH research Library. *Contents Description:* Background journal articles researched by John Harbert at the NIH Research Library relating to the use of radium in the upper respiratory tract (nasopharynx) to treat chronic sinusitis and changes in the bronchial muscosa that were irreversible and lead to chronic asthma. *Descriptors:* Human Subjects; Medical Diagnosis; Medical Equipment; Medical Laboratories; Medical Records; Medical Therapies; Radiation--Ionizing; Research--Therapeutic; National Institutes of Health (NIH).

**HHS-121594-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institute of Occupational Safety and Health (NIH/NIOSH). *Contents Description:* 3 Articles on the ethics of worker notification of findings of risk in epidemiological studies including when and how to verify. From Paul Shulte at NIOSH. Article (1) Effective Risk Communication: The Role and Responsibility of Government and Nongovernment Organizations. (2) Ethical Issues In the Communication of Results by: Paul A. Schulte. (3) American Journal of Public Health Reprint Commentary: Notification of Workers at High Risk: An Emerging Public Health Problem, by: Paul A. Schulte, and Knut Ringen.. *Descriptors:* Ethics; Department of Health and Human Services (DHHS).

**HHS-122294-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Kathy Hudson (Department of Health and Human Services). *Contents Description:* Response to request 120594-C. Includes regulations, information sheets, final reports. Correspondence answers some questions. *Descriptors:* Occupational Guidelines; Records; Department of Health and Human Services (DHHS).

**HHS-122694-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* Documents from Archives and Suitland that are part of the NIH/PHS record groups. Also included are documents retrieved from archives of library of the National Cancer

Institute. Materials contain information concerning NIH/PHS activities over the years 1944-1974, with references to some activities that may involve experimentation with ionizing radiation. *Descriptors:* Radiation--Ionizing; Department of Health and Human Services (DHHS); National Institutes of Health (NIH); Public Health Service (PHS).

**HHS-011795-A** 1 binder; 0.15 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health. *Contents Description:* OPRR 1993 Protecting Human Research Subject Insitutional Review Board Guidebook. Regulations, policies. *Descriptors:* Guidelines/Regulations.

**HHS-012795-A** 1 document; 0.1 cu.ft. *Source:* Department of Health and Human Services, Medical Record Department. *Contents Description:* A bibliography of the oldest protocols to the newest by institution. 1/5/95. *Descriptors:* Records; Department of Health and Human Services (DHHS).

**HHS-020795-A** 5 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Contents Description:* Response to request #020395-C. Protocols 91-CC-0154, 83-CC-0200, and 82-CC-0014. Illustration and structure of database also included. *Descriptors:* Guidelines/Regulations; Department of Health and Human Services (DHHS); National Institutes of Health (NIH).

**HHS-020895-A** 1 document; 0.01 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health (NIH). *Collection:* National Library of Medicine. *Contents Description:* Finding aid for the papers of Alan Gregg at the National Library of Medicine. *Descriptors:* Records; National Institutes of Health (NIH).

**HHS-021695-A** 1 document; 0.03 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Office of Extramural Research. *Contents Description:* List of proposals disapproved by council. Please do not reference this document. Sensitive information. *Descriptors:* No descriptors.

**HHS-022195-A** 1 folder; 0.02 cu.ft.; inventory available. *Source:* Lily Engstrom (Department of Health and Human Services). *Contents Description:* Response to ACHRE Request #012795-E. Listing of grants awarded to Dr. Darby. *Descriptors:* Grants/Grantees; Department of Health and Human Services (DHHS).

**HHS-022195-B** 1 document; 0.01 cu.ft. *Source:* Department of Health and Human Services, Public Health Service. *Collection:* DHHS. *Contents Description:* Computer print-out of grants awarded to all investigators who participated in the Vanderbilt study. Only one investigator, Dr. W.J. Darby, was a recipient of NIH awards. *Descriptors:* Records; Department of Health and Human Services (DHHS).

**HHS-022395-A** 1 document; 0.05 cu.ft.; inventory available. *Source:* Kathy Hudson (Department of Health and Human Services). *Contents Description:* Response to request #012795-C. Transcript of the meeting on statistical considerations on field studies on thyroid diesease in school children in Utah-Arizona., 12/3/65. *Descriptors:* Children; Department of Health and Human Services (DHHS).

**HHS-022795-A** 1 document; 0.05 cu.ft.; inventory available. *Source:* Department of Health and Human Services, Office of Extramural Research. *Contents Description:* Response to ACHRE request no. 012795-D, Public Access to Agency Information Relating to Human Radiation Experimentation. *Descriptors:* Experiments; Human Subjects; Public Access; Radiation--Ionizing; Records; Department of Health and Human Services (DHHS).

**HHS-042495-A** 4 documents; 0.15 cu.ft. *Source:* Department of Health and Human Services, National Institutes of Health. *Collection:* National Library of Health. *Contents Description:* Papers and audiobiography of W.C. Hueper. (Important -Copyright material, see enclosed letter for more details.) *Descriptors:* Medical Diagnosis; Medical Equipment; Medical Laboratories; Medical Therapies; Radiation--Ionizing; W. H. Hueper; Department of Health and Human Services (DHHS); National Institutes of Health (NIH).

**HHS-061295-A** 1 document; 0.01 cu.ft. *Source:* Department of Health and Human Services, NIH. *Contents Description:* Policy and Communications Bulletin of the Clinical Center, dated October 11, 1973, which essentially codifies in writing the requirement for written informed consent for all intramural research projects involving humans subjects. *Descriptors:* Consent; Experiments; Guidelines/Regulations; Human Subjects; Informed Consent; National Institutes of Health (NIH).

**IND-050594-A** 1 envelope; 0.05 cu.ft. *Source:* Gwendon Plair. *Contents Description:* Medical records of various patients involved in Cincinnati experiments. *Descriptors:* Cincinnati Experiments; Experiments; Human Subjects; Medical Records; Records.

**IND-060194-A** 16 documents; 0.05 cu.ft. *Source:* Martha Stephens. *Contents Description:* Papers re: discussions with Senator Michael Gravel of Alaska and his staff in 1972, and later documents related to Saenger case. *Descriptors:* Cincinnati Experiments; Experiments; Human Subjects.

**IND-060894-A** 1 document; 0.2 cu.ft. *Source:* Maury Silverman. *Contents Description:* Bloom, William, ed., Histopathology of Irradiation from External and Internal Sources, New York, McGraw-Hill Book Company, Inc., 1948. *Descriptors:* Medical Diagnosis; Radiation--Ionizing.

*Sources and Documentation*

**IND-061594-A** 15 documents; 0.05 cu.ft.; inventory available. *Source:* Harold Bibeau. *Contents Description:* Materials re: Mr. Bibeau's participation in radiation experiments and related documents. *Descriptors:* Experiments; Human Subjects; Medical Records; Radiation--Ionizing; Records.

**IND-070594-A** 44 documents; 0.1 cu.ft. *Source:* Tony A. DeBrum. *Contents Description:* Statement by the Republic of the Marshall Islands at the fourth meeting of the Presidential Advisory Committee on Human Radiation Experiments, July 5, 1994, and supporting documents. *Descriptors:* Experiments; Human Subjects; Marshall Islands; Radiation--Ionizing.

**IND-072394-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Jackie Kittrell. *Contents Description:* - Document # 749 O. R. Doe reading room regarding clinical TBI experiments at O. R. Tower Shielding reactor ( which was designed to do experiments about the nuclear powered airplane in OR. Circa 1956 - Two Documents #763, #764 regarding AEC sponsored experiments at Brushy Mountain Federal Penitentiary circa 1964. Not clear whether the experiment was done or not from these documents, lots of great ethics & legal liability planning. *Descriptors:* Agency Histories; Total Body Irradiation; Atomic Energy Commission (AEC).

**IND-073094-A** 1 document; 0.1 cu.ft. *Source:* Robert Gary. *Contents Description:* Sworn court document filed in 1979 in Punnett v. Carter annotated in July 94 by the attorney of record. "Plaintiffs' Third Supplemental Answers to Defendants' Third set of Interrogatories.". *Descriptors:* No descriptors.

**IND-080294-A** 1 folder; 0.01 cu.ft. *Source:* Karl Morgan. *Contents Description:* ICRP (International Commission On Radiological Protection) Risk Estimates-An Alternative View, Published As Chap. 11 In R. Russell Jones and R. Southwood, Radiation & Health. A detailed critique of ICRP Activities By Karl Morgan, Who was himself a member of the ICRP. *Descriptors:* Radiation--Ionizing; Karl Morgan; Oak Ridge Associated Universities (ORAU).

**IND-080494-A** 1 folder; 0.01 cu.ft. *Source:* Stewart Udall. *Contents Description:* Memorandum Of Conversation With Dr. Shields Warren At His Office In Shields Warren Radiation Laboratory In Boston, 7/5/79, Teletype To Los Alamos AEC 317, From USA AEO Confirming Verbal Request For Meeting Minutes. *Descriptors:* Interviews; Shields Warren; Atomic Energy Commission (AEC); Los Alamos National Laboratory (DOE/LANL).

**IND-081194-A** 1 document; 0.01 cu.ft. *Source:* Harold Bibeau. *Contents Description:* Notes of a telephone iterview with Harold Bibeau by Steve Klaidman (ACHRE). Subject is prisoners' study. *Descriptors:* Prisoners; Radiation--Ionizing; National Aeronautics and Space Administration (NASA); Oregon State Prison (Selon Oregon).

**IND-081694-A** 1 binder; 0.02 cu.ft. *Source:* Hymer Friedell. *Collection:* Private. *Contents Description:* Binder: An Overview Of Research In Radiation Biology and Protective Measures In the Manhattan Project During the War Years 1942-1946. Includes: University of Chicago & Clinton Laboratories (Oak Ridge, TN) Projects, University of Rochester Project, University of Washington (Applied Fisheries Laboratories), Los Alamos Project, Special Historical Events, Development of Radiation Standards & Protective Measures, Projected Research In Radiation Biology-Immediate Post War Period. *Descriptors:* Agency Histories; Contract Laboratories; Guidelines/Regulations; Hymer Friedell; Department of Energy (DOE).

**IND-082294-A** 4 folders; 0.2 cu.ft.; inventory available. *Source:* David S. Egilman. *Contents Description:* 1. Folder: 9 Documents on TBI materials 2. Folder: 6 Documents on Air Force School of Aviation Medicine. 3. Folder: 1 Document on Human Tissue Materials. 4. Folder: 1 (Privacy Act Material) Patient names. *Descriptors:* Agency Histories; Experiments; Human Subjects; Total Body Irradiation; Eugene Saenger; Air Force (DOD/USAF); Department of Defense (DOD).

**IND-083094-A** 1 folder; 0.1 cu.ft. *Source:* Stewart Udall. *Contents Description:* Documents and argument provided by Stewart Udall related to the Uranium Miners. *Descriptors:* No descriptors.

**IND-083194-A** 1 document; 0.01 cu.ft. *Source:* Charles Alvin Paulsen. *Contents Description:* Curriculum vitae of C.A. Paulsen received during an interview with Clausen conducted by Steve Klaidman. The date of the interview was late August or early September 1994. *Descriptors:* Biological Effects; Human Subjects; Prisoners; Radiation--Ionizing; University of Washington.

**IND-090194-A** 47 documents; 1 cu.ft. *Source:* Hymer Friedell. *Collection:* Papers of Hymer Friedell. *Contents Description:* Reports on Metallurgical & Health Divisions & correspondence, from the Hymer Friedell collection. The correspodence represents wide range of primary source material that deals with the Manhattan Project & then Los Alamos after the Second World War. Bulk of the material is concerned with the effects of radiation exposure. *Descriptors:* Agency Histories; Biological Effects; Experiments; Medical Records; Radiation--Ionizing; Scientific Data; Weapons Research.

**IND-090894-A** 3 documents; 0.01 cu.ft. *Source:* Stewart Udall. *Contents Description:* 1. 9/1/50 "Los Alamos Scientific Laboratory of the University of California: Discussion of Radiological Hazards Associated With A Continental Test Sites for Atomic Bombs" by Federick Reines. Discussion of feasibility of continental test site, highlighting "Atomic Cloud" fallout, effect on humans, & Nevada Test Site. 2. 9/11/53 Letter from Gaelen L. Felt & Alvin C. Graves to the Members of the Committee to Study Nevada Proving Grounds. Mentions that attached minutes are only partial

version & that the final version will contain more data & Hot - Spot locations. 3. 9/4/94 Richmond Times Dispatch"Panel Seeks More Data On MCV Radiation Studies", MCV & ACHRA correspondence for research materials. *Descriptors:* Agency Histories; Biological Effects; Ethics; Experimental Equipment; Experimental Methods; Experiments; Fallout; Human Subjects; Military Activities; Protection/Shielding; Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Scientific Data; Scientific Method; Weapons Effectiveness; Weapons Research; James Cooney; Los Alamos National Laboratory (DOE/LANL).

**IND-091294-A** 6 folders; *Source:* Frances Brown. *Contents Description:* 1. Records & Orders 2. Flight Records/Cloud Tracking Data/Telecom - Crewmembers 3. Film Badges Brooks AFB, TX/ Reynolds Engineering, Nevada 4. Experimental Testing/Teapot/ Redwing 5. Medical - Physician's Letters/Prostate & Other Cancer Studies 6. Historical Study of Testing/Air Armanent Eglin AFB FL, etc. *Descriptors:* Agency Histories; Biological Effects; Experimental Methods; Experiments; Human Subjects; Medical Diagnosis; Medical Therapies; Military Activities; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Releases of Radioactivity; Scientific Data; Weapons Effectiveness; Weapons Research; Department of Defense (DOD).

**IND-091394-A** 4 documents; 0.01 cu.ft. *Source:* Cliff T. Honicker. *Contents Description:* Documents that were given at the Committee Meeting. 1) Thermal & Radiation Injury Contract No. DA 49-007-RD-99, 7/1/51 - 6/30/52. 2) Letter from Medical College of Virginia, Regarding Approval For Human Use of P32, 4/8/48, 3) Memo: Department of Defense Research Program Under the Technical Objective AW-6, 12/15/52. *Descriptors:* Biological Effects; Harm; Radiation--Ionizing; Department of Defense (DOD).

**IND-091394-B** 41 documents; 0.25 cu.ft. *Source:* William L. Freeman. *Contents Description:* Material related to the Uranium Miners that Bill Freeman recieved form Stuart Udall. *Descriptors:* Agency Histories; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Radiation Injury; Testimony; Uranium Mining/Miners/Milling; Department of Energy (DOE); Department of Health Education and Welfare (DHEW); National Cancer Institute (PHS/NIH/NCI); National Institutes of Health (NIH).

**IND-091494-A** 15 documents; 0.15 cu.ft. *Source:* Robert Gary. *Contents Description:* A collection of documents pertaining to the above ground atomic detonations at Operation Crossroads. Included are two publications one from the AEC on weapons testing, the other is a transcript of a Subcommittee hearing. The rest is an assortment of documents from organizations like the GAO, Atomic Veterans, and the US Senate. A full rendering of the collection can be found in the Accession Contents. *Descriptors:* Agency Histories; Bikini Atoll; Biological Effects; Experiments; Fallout; Fallout Countermeasures; Military Activities; Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Weapons Effectiveness; Weapons Research; Shields Warren; General Accounting Office (GAO).

**IND-091594-A** 3 documents; 0.1 cu.ft. *Source:* Eugene Saenger. *Contents Description:* 1. Bound copy titled "Statement of Eugene L. Saenger, M.D., before house Judiciary Committee, Subcommittee on Administrative Law and Governmental Relations, 4/11/94, Cincinnati Ohio." 2. Notes on Regulations affecting Clinical Investigations from Federal Agencies. 3. Division of Radiation Oncology, Cincinnati General Hospital, Timeline. (Provided by Dr. Eugene Saenger to ACHRE interviewing team (Ron Neumann, Gary Stern, Gilbert Whittemore) on Sept. 15, 1994.) *Descriptors:* Agency Histories;Guidelines/Regulations; Interagency Bodies; Radiation--Ionizing; .

**IND-092394-A** 2 documents; 0.05 cu.ft. *Source:* Diane F. Orentlicher. *Contents Description:* 1. Book excerpt: Orentlicher, Diane F., "Addressing Gross Human Rights Abuses: Punishment and Victim Compensation." Louis Henkin and John L. Hargrove, eds., Human Rights: An Agenda for the Next Century. (Washington, D.C.: The American Society of International Law.) 2. Journal Article: Orentlicher, Diane F., "Setting Accounts: The Duty to Prosecute Human Rights Violations of a Prior Regime," The Yale Law Journal. Vol. 100, no. 8, June 1991. *Descriptors:* No descriptors.

**IND-101194-A** 1 document; 0.01 cu.ft. *Source:* Bernard Lo. *Collection:* UCSF. *Contents Description:* Statement of Dr. Bernard Lo, before ACHRE's October meeting in San Francisco. *Descriptors:* Ethics; University of California - San Francisco (UCSF).

**IND-101294-A** 1 folder; 0.06 cu.ft. *Source:* Nancy L. Lynch. *Contents Description:* Documents and statement of Nancy L. Lynch submitted before the ACHRE Oct. 12th meeting in San Francisco. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Medical Diagnosis; Medical Records; Department of Defense (DOD); Department of Veterans Affairs (DVA).

**IND-101294-B** 1 document; 0.01 cu.ft. *Source:* Israel Torres. *Contents Description:* Statement of Israel Torres before ACHRE meeting in San Francisco, re: part of an experiment conducted during an atomic detonation in Nevada, while in the Marine Corp. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Experiments.

**IND-101294-C** 1 document; 0.01 cu.ft. *Source:* Donald C. Arbitblit. *Contents Description:* Statement of Donald C. Arbitblit to ACHRE during the San Francisco meeting, concerning the events at Vanderbilt University. *Descriptors:* Pregnant Women; Vanderbilt University.

*Sources and Documentation*

**IND-101294-D** 1 folder; 0.15 cu.ft. *Source:* Harold Bibeau. *Contents Description:* Documents and Statement of Harold Bebeau presented before the ACHRE San Francisco meeting, regarding his involvement in the testicular radiation experiments conducted at the Washington and Oregon prisons. *Descriptors:* Experiments; Medical Records; Prisoners.

**IND-101294-E** 1 document; 0.01 cu.ft. *Source:* Geoffery Sea. *Contents Description:* Personal statement of Geoffery Sea before ACHRE Oct. 12, 1994. *Descriptors:* Occupational Guidelines; Occupational Health; Radiation Injury.

**IND-101394-A** 3 documents; 0.02 cu.ft. *Source:* Marcus Raskin. *Contents Description:* 1. Journal Article: Raskin, Marcus. Essays of a Citizen: from National Security State to Democracy. chapter 1. "Democracy Versus the National Security State." Armonk, NY: ME. Sharpe, Inc. 1991. 2. Journal Article: Making us Officials Accountable in the Future for Crimes Against Peace, War Crimes and Crimes Against Humanity. 3. Journal Article: Raskin, Marcus. "Organizational Intelligence: Coming in From the Cold.". *Descriptors:* Agency Histories.

**IND-101394-B** 1 document; 0.01 cu.ft. *Source:* Henry D. Royal. *Contents Description:* Transcript of the 16 th Meeting of the Advisory Committee for Biology and Medicine, June 11, 1949. Concerned with occupational exposures to uranium dust. *Descriptors:* Agency Histories; Uranium Mining/Miners/Milling; Advisory Committee on Biology and Medicine (AEC/ACBM).

**IND-101594-A** 2 documents; 0.01 cu.ft.1 diskette *Source:* Duncan C. Thomas. *Collection:* Personal Correspondence. *Contents Description:* Included are two forms used by researchers when requesting approval for human use of radioisotopes for radiation producing devices and research involving byproduct material or X-Rays. A diskette is included that contains the documents under the file name RADFORMS, which is in WordPerfect 5.2 for Windows. *Descriptors:* Agency Histories; Records.

**IND-101894-A** 1 document; 0.02 cu.ft. *Source:* Kathy Platoni. *Contents Description:* Statement of Dr. Kathy Platoni before the ACHRE Washington meeting during November. *Descriptors:* No descriptors.

**IND-101994-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* Lee Davidson. *Contents Description:* Contains report on fission product field release at Dugway, 1959, plus news article ( 10/9/94) on same. *Descriptors:* Agency Histories.

**IND-102094-A** 1 folder; 0.15 cu.ft. *Source:* Gene Branham. *Contents Description:* Documents pertaining to the Fernald Ohio uranium processing plant of the National Lead Co. of Ohio. Submitted for the Cincinnati meeting. *Descriptors:* Occupational Guidelines; Occupational Health; Uranium Mining/Miners/Milling.

**IND-102094-B** 1 document; 0.01 cu.ft. *Source:* Thomas H. Row. *Contents Description:* Statement of Thomas H. Row before the ACHRE meeting in Cincinnati. *Descriptors:* Occupational Guidelines; Occupational Health; Radiation Injury; Oak Ridge National Laboratory (DOE/ORNL).

**IND-102094-C** 7 documents; 0.02 cu.ft. *Source:* Leslie Lynch. *Contents Description:* Documents and Statement of Leslie Lynch submitted before ACHRE at the Cincinnati meeting. *Descriptors:* Medical Diagnosis; Medical Records; Medical Therapies; Air Force (DOD/USAF); Department of Defense (DOD); Department of Veterans Affairs (DVA).

**IND-102094-D** 1 document; 0.01 cu.ft. *Source:* Dorothy Swenty. *Contents Description:* A poem by George A. O'Neill, "In the memory of the men of the 2nd Marine Corps Provisional Atomic Exercise brigade and the April 18, 1953, Saturday morning on the radioactive sands of Yucca Flat atomic test area 2. 2/12/94. *Descriptors:* No descriptors.

**IND-102194-A** 1 folder; 0.25 cu.ft. *Source:* Richard Casey. *Contents Description:* 1. Form: Request and Authorization for Temporary Duty, for Robert Casey, SSGT, re: Orders for participation in ENEWETAK CLEANUP PROJECT - Manning Assistant 77-7. 3/24/78. 2. Letter: from Robert L. Peters Director of Enewetak Operations to Richard Casey, re: information about dosimetry exposures for clean-up personnel. 11/1/79. 3. Letter: from Gary E. Salminen chief, Personnel Utilization with attachments that describe the actual orders for individuals assigned to the field of radiation support. (Map included) 3/1/78. (Documents given at the Cincinnati Panel Hearing, 10/21/94.) *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Military Activities; Radiation--Ionizing; Radiological Warfare; Training; Volunteers; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Department of Defense (DOD).

**IND-102194-B** 3 documents; 0.25 cu.ft. *Source:* Estella Goodwin. *Contents Description:* Medical Records of Estella Goodwin, from Cincinnati General Hospital. (Submitted by Otisteen Goodwin at Cincinnati panel meeting.) *Descriptors:* Physical Measurement; Radiation--Ionizing; Records; Research--Therapeutic; Scientific Data; University Research; University of Cincinnati.

**IND-102194-C** 1 document; 0.01 cu.ft. *Source:* Individual. *Contents Description:* Scientific Data: Occupational studies section environmental epidemeology branch, NCI - List of oil, chemical, and atomic workers morality study, for deceased members of Piketon 689 who worked for Goodyear Atomic. (submitted at Cincinnati Panel Meeting 10/2) *Descriptors:* Occupational Health; Radiation--Ionizing; Records; Scientific Data; Uranium Mining/Miners/Milling.

**IND-102194-E** 12 documents; 0.03 cu.ft. *Source:* Kathy Jacobovitch. *Contents Description:* Collection of Patient records for a James Robert Peden. From 1946-48 he worked in the Puget Sound Shipyards and claims to have been exposed on a daily basis to high levels of radiation. The Patient records are dated during 1947. *Descriptors:* Atomic Tests--Troop Participation; Biological Effects; Human Subjects; Medical Records; Radiation--Ionizing; Navy (DOD/USN).

**IND-102194-F** 8 documents; 0.08 cu.ft. *Source:* Betty Allen, Lillian Pagano, Bob Phillips. *Contents Description:* Documents given by the children of Maude Jacobs at the Cincinnati Panel Hearing 10/12/94, with a statement included. (Bob Phillips, Betty Allen, and Lillian Pagano) *Descriptors:* Cincinnati Experiments; Experiments; Medical Records; Radiation--Ionizing; Research--Therapeutic; Total Body Irradiation; University Research; University of Cincinnati.

**IND-102294-A** 1 folder; 0.05 cu.ft. *Source:* Dana Salisbury. *Contents Description:* Documents submitted by Dana Salisbury at the Cincinnati small panel meeting. *Descriptors:* Occupational Guidelines; Occupational Health; Uranium Mining/Miners/Milling.

**IND-102294-B** 1 folder; 0.03 cu.ft. *Source:* Joe P. Larkin. *Contents Description:* Documents submitted at the Cincinnati small panel meeting, regarding patient # 109 Joe P. Larkin of the Cincinnati experiments. *Descriptors:* Cincinnati Experiments; Experiments; Total Body Irradiation; University of Cincinnati.

**IND-102294-C** 1 folder; 0.02 cu.ft. *Source:* Charles A. Lundberg. *Contents Description:* Statement of Dr. Charles A. Lundberg Concerning his exposure to radiation at the Medical College of the University of Cincinnati, with accompanying documents. *Descriptors:* Cincinnati Experiments; Experiments; Radiation Injury; Total Body Irradiation; University of Cincinnati.

**IND-102294-D** 1 folder; 0.02 cu.ft. *Source:* Doris J. Baker. *Contents Description:* Documents submitted by Mrs. Doris J. Baker, regarding her grandmothers involvement in the Cincinnati experiments. *Descriptors:* Cincinnati Experiments; Experiments; Radiation Injury; Total Body Irradiation; University of Cincinnati.

**IND-102294-E** 1 folder; 0.02 cu.ft. *Source:* Pat Hoover. *Contents Description:* Documents submitted by Pat Hoover at the Cincinnati Small Panel meeting. Claims health problems due to living downwind of the Hanford site. *Descriptors:* Releases of Radioactivity; Hanford Site (Richland Washington).

**IND-102694-A** 1 document; 0.02 cu.ft. *Source:* Robert Gary. *Contents Description:* Final report of Robert Gary: titled " Legislative Efforts to Obtain Fair Compensation for the Nuclear Veterans: A Chronicle Spanning 15 Years," Oct. 15, 1994. The documents in the report pertain to Nevada Test Site Volunteers, be they military or civilian. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Fallout; Fallout Countermeasures; Guidelines/Regulations; Human Subjects; Military Activities; Nevada Test Site (Mercury Nevada); Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiological Warfare; Volunteers; Weapons Effectiveness; Weapons Research; Department of Defense (DOD).

**IND-102794-A** 2 documents; 0.01 cu.ft.; inventory available. *Source:* Cliff T. Honicker. *Contents Description:* 1. Memo: Orins Medical Center Radiation Problem, From: R. E. Hayden, To: Edward McGrady, 8/15/50. 2. Atomic Energy Commission: The Program In Medicine and Biology, 1947 - 1949, Statement by Dr. Shields Warren, Director of Biology and Medicine. *Descriptors:* Agency Histories; Shields Warren; Atomic Energy Commission (AEC); Oak Ridge Institute for Nuclear Studies (ORINS).

**IND-110294-A** 2 documents; 0.01 cu.ft. *Source:* R.E. Lapp. *Contents Description:* Journal Article: Lapp, R.E., "Strontium Limits in Peace and War," undated. Report: US Atomic Energy Commission. Worldwide Effects of Atomic Weapons Project Sunshine. RAND Corporation Santa Monica, California, Aug. 6, 1953. *Descriptors:* Agency Histories; Atomic Tests; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Department of Energy (DOE).

**IND-110994-A** 4 documents; 0.02 cu.ft. *Source:* Charles Alvin Paulsen. *Contents Description:* Four documents from the Washington Prisoner Experiments: 1. Consent Form: from The State of Washington, Dept. of Institutions, Division of Adult Correction Washington State Penitentiary and University of Washington Walla Walla, Washington. Consent to Controlled Irradiation by Design and Waiver of Liability. 2. Research Project: "The Study of Irradiation Effects on the Human Testis: Including Histologic, Chromosomal and Hormonal Aspects," by C Alvin Paulsen, 1963-64. 3. Same as above, but a request for renewal for 1964-65. 4. Progress Report: for AEC contract # AT(45-1)-1781, March 16, 1964. *Descriptors:* Agency Histories; Consent; Consent Forms; Human Subjects; Medical Records; Prisoners; Radiation--Ionizing; Research--Therapeutic; Atomic Energy Commission (AEC).

**IND-110994-B** 8 documents; 0.01 cu.ft. *Source:* Nancy L. Lynch. *Collection:* Document presented at the Oct. ACHRE meeting. *Contents Description:* Documents submitted by Nancy L. Lynch, about her husband Stephen K. Lynch who was a participant of atmospheric tests in Nevada during operation TEAPOT, February to May, 1955. Included is a statement given by Mrs. Lynch before ACHRE, hospital reports, and correspondence with various agencies. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Military

Activities; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Releases of Radioactivity; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; Department of Defense (DOD); Army (DOD/USA); Department of Veterans Affairs (DVA).

**IND-111594-A** 1 document; 0.01 cu.ft. *Source:* Eugene Saenger. *Contents Description:* Bibliography of articles on total body irradiation and partial-body irradiation. Contains 55 articles dating from 1932-1994. *Descriptors:* Total Body Irradiation; University of Cincinnati.

**IND-111694-A** 6 documents; 0.02 cu.ft. *Source:* William Dale Cummins. *Contents Description:* Letter from Cummins to ACHRE along with some information related to his problems of compensation with the VA over his service during atomic testing and recent cancer illness. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation.

**IND-111694-B** 1 folder; 0.01 cu.ft.; inventory available. *Source:* Ray Koonuk. *Contents Description:* Excerpts from Technical Report 57-36, along with correspondence with Senator Frank Murkowski, and numerous other documents relating to Coastal Eskimo Subjects. *Descriptors:* Vulnerable Populations; Department of Defense (DOD); Oak Ridge National Laboratory (DOE/ORNL).

**IND-111794-A** 1 folder; 0.05 cu.ft. *Source:* Kathy Jacobovitch. *Contents Description:* Documents, medical records, and Statement submitted by Mrs. Kathy Jacobovitch to ACHRE before the Cincinnati meeting, regarding her fathers possible exposure to ionizing radiation while working in the Bremerton Naval Shipyard. *Descriptors:* Medical Diagnosis; Medical Records; Medical Therapies; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiation Injury; Navy (DOD/USN).

**IND-111894-A** 1 document; 0.01 cu.ft.1 video tape *Source:* John Gofman. *Contents Description:* Video-taped interview of John Gofman by Jana Wendt of "60 Minutes Australia" on Morality of Plutonium Injections, March 1994. *Descriptors:* Interviews.

**IND-111894-B** 5 documents; 0.1 cu.ft. *Source:* Jonathon Weisgall. *Contents Description:* Several documents concerning the Marshall Islands and their legal claims. (see accession contents for a document by document list) *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Harm; Law & Legal Issues; Marshall Islands; Radiation--Ionizing; General Accounting Office (GAO).

**IND-111994-A** 1 document; 0.01 cu.ft. *Source:* Cooper Brown. *Contents Description:* Article: Leonard W. Schroeter. "Human Radiation Experimentation: Constitutional Tort? International Human Rights Violation?" 11/1/94. *Descriptors:* Consent; Ethics; Human Subjects; Informed Consent; Nuremberg Codes/Trials.

**IND-112194-A** 1 folder; 0.04 cu.ft. *Source:* Fred Larsen. *Collection:* PO Box 1254 Ocean Park, Washington 98640. *Contents Description:* Documents and Statement of Fredrick William Larsen submitted at the Spokane meeting, who claims to have been fed radioactive eggs while in treatment for burns at the University of Oregon Medical Hospital in Portland, Oregon. *Descriptors:* Experiments; Medical Diagnosis; Medical Records.

**IND-112194-B** 1 folder; 0.06 cu.ft. *Source:* Catherine M. Knox. *Contents Description:* Documents and statement submitted by Catherine M. Knox, Administrator of the Oregon Dept. of Corrections Health Services Division, at the Spokane meeting. *Descriptors:* Prisoners.

**IND-112894-A** 1 document; 0.01 cu.ft. *Source:* David S. Egilman. *Contents Description:* Two page memo from the chairman of the University of Cincinnati Faculty Commission on Research, dated April 18, 1969, noting that the NIH had rejected a grant application for a total-body irradiation study "on ethical grants," along with two others. The TBI study had been reviewed by the FCR. *Descriptors:* Cincinnati Experiments; Total Body Irradiation; University of Cincinnati.

**IND-113094-A** 2 documents; 0.2 cu.ft. *Source:* Stephen Dycus. *Contents Description:* Two draft chapter from "National Defense and The Environment," and a smaller booklet entitled Environmental Law Journal "NEPA Secrets," vol. 2 No. 2 1993. *Descriptors:* Atomic Tests; Biological Effects; Fallout; Radiation--Ionizing; Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA).

**IND-120194-A** 2 documents; ; inventory available. *Source:* Eugene P. Cronkite. *Contents Description:* Letter of Instruction to Eugene Cronkite, Re: Marshall Islands, 3/8/54. Also included is Report On the Marshallese and Americans Accidentally Exposed to Radiation from Fallout and a Discussion of Radiation Injury in the Human Being, From Naval Medical Research Institute, 7/56. *Descriptors:* Marshall Islands; Naval Medical Research Institute (DOD/USN/NMRI).

**IND-120294-A** 4 documents; 0.02 cu.ft. *Source:* Michele Stenehjem Gerber. *Contents Description:* Documents on early (1945-48) airborne releases of radioactivity at Hanford. 1. Report 12/11/45: to S.T. Canrtil, M.D. Asst. Supt. Industrial Medicine from H.M. Parker Chief Supervisor H. I. Section, titled: " Xenon and Iodine Concentrations in the Environs on the T and B Plant." 2. Report 12/17/45: from H.I. Parker, titled "Proposed Revision of Tolerance for Iodine 131." 3. Report 1/14/46: mostly illegible. 4. Report 4/18/46: Recovery of Iodine 131, by J.W. Healy. All reports discuss recovery of Iodine 131 in the stacks by scrubbers. *Descriptors:* Federal Laboratories; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Physical Measurement; Radiation--Ionizing;

Releases of Radioactivity; Scientific Data; Hanford Site (Richland Washington).

**IND-120694-A** 5 documents; 0.01 cu.ft.; inventory available. *Source:* Nancy Oleinick. *Collection:* Radiation Research - Official Oargan of the Radiation Research Society. *Contents Description:* Correspondence concerning the paper by M.J. Rowley, etal., "The Effect of Graded Doses of Ionizing Radiation on the Human Testes," that appeared in Radiation Research, Vol. 59, pp. 665-678 (1974). (Focus is on the experimental use of human subjects. See accessions contents for inventory.) *Descriptors:* Consent; Ethical Guidelines; Human Subjects; Informed Consent; Prisoners; Radiation--Ionizing; Research--Nontherapeutic; Volunteers; Vulnerable Populations; Pacific Northwest Laboratories (Battelle/PNL).

**IND-120994-A** 2 documents; 0.05 cu.ft. *Source:* Irving Ladimer. *Collection:* personal files. *Contents Description:* Excerpt from 1967 Library of Congress Legislative Reference Service Report "Medical Experimentation on Human Beings," with a section on VA Hospitals' policies. *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects.

**IND-121294-A** 3 documents; 0.02 cu.ft.; inventory available. *Source:* Lee Davidson. *Contents Description:* This submission includes the following: Letters from Tara O'Toole (DOE) and Harola P. Smith (DOD) to Senator Bennent of Utah, re: Radwarfare tests and resulting hazards at Dugway. News article by Lee Davidson. *Descriptors:* Atomic Tests; Radiation--Ionizing; Radiological Warfare; Records; Weapons Effectiveness; Weapons Research; Army (DOD/USA); Department of Energy (DOE).

**IND-121294-B** 3 documents; 0.03 cu.ft. *Source:* Henry D. Royal. *Contents Description:* Documents sent by Henry Royal to the committee concerning Occupational Health guidelines. *Descriptors:* Occupational Guidelines; Occupational Health; Manhattan Engineer District (War/CE/MED); Los Alamos National Laboratory (DOE/LANL).

**IND-121794-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Barton Bernstien. *Contents Description:* (1)Memo for the file - From Edward. L. Heller. Regarding: Biology and Medicine Division of the Commission concerning the fiscal year 1945 budget. 2/9/53. (2)Memo for the Record. Regarding: Conference with Dr. Bowers, Deputy Chief, Biology & Medicine, AEC, and Mr. Brobeck and Mr. Heller, on 6/22/48 at 2:30 p.m. 6/24/48. (3)Krypton-85 Method of Concealing, 6/4/52. *Descriptors:* Atomic Energy Commission (AEC).

**IND-121994-A** 9 documents; 0.1 cu.ft.; inventory available. *Source:* David S. Egilman. *Contents Description:* Correspondence from Lushbaugh, leukemia relative to radiation from uranium. ORAU report of epidemiology data to chelation - use of and consent for use. Possible cover-up of hazards. *Descriptors:* Consent; Atomic Energy Commission (AEC).

**IND-122394-A** 7 documents; 0.06 cu.ft. *Source:* Beverly Aleck. *Contents Description:* Contains the testimony of Ms. Beverly before the Nov. 21 meeting of ACHRE and three reports concerning the environmental impact of atomic tests on the Aleutian Island of Amchitka Alaska. Also two memo's from 1976 by the DOE denying any lateral flow of water. *Descriptors:* Atomic Tests; Fallout; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Weapons Effectiveness; Weapons Research; Department of Energy (DOE).

**IND-010595-A** 3 documents; 0.02 cu.ft.; inventory available. *Source:* Jonathon Weisgall. *Collection:* Castel Series and Bravo . *Contents Description:* 1 List of Requested Documents that refer to Castel Series and/ or the Bravo Shot. 2. List of Requested Documents Concerning Bravo Event and Lucky Dragon On File At DOE/CIC 3. List of Requested Documents Concerning Castel Series and Bravo Event On File At DOE/CIC. *Descriptors:* Releases of Radioactivity; Weapons Research; Department of Defense (DOD).

**IND-010895-A** 1 document; 0.01 cu.ft. *Source:* Sue Rabbitt Roff. *Contents Description:* 01/04/95 letter from Roff to Faden concerning Roff's study of TEST RESULTS: THE BIOMEDICAL LEGACY OF HIROSHIMA AND NAGASAKI. In the course of research, she found discussion about radiation experimentation on inmates in a New Jersey prison and mental institutions. *Descriptors:* Atomic Tests; Experiments; Mentally Ill (subjects); Prisoners.

**IND-011195-A** 6 documents; 0.07 cu.ft. *Source:* Harold Bibeau. *Contents Description:* Consent forms for Oregon Prisoner experiment along with other related material. *Descriptors:* Consent; Consent Forms; Experiments; Guidelines/Regulations; Informed Consent; Prisoners; Radiation--Ionizing; Research--Therapeutic; Atomic Energy Commission (AEC); Pacific Northwest Laboratories (Battelle/PNL).

**IND-011195-B** 1 document; 0.01 cu.ft. *Source:* Arjun Mahkinjani. *Contents Description:* An AEC Division of Biology and Medicine Summary of Review of Research Proposal for C.G. Heller's proposal, "Effects of Ionizing Radiation on the Testicular Functions in Man," date 3/16/63. *Descriptors:* Biological Effects; Human Subjects; Prisoners; Radiation--Ionizing; Research--Nontherapeutic; Division of Biology and Medicine (AEC/DBM); Pacific Northwest Laboratories (Battelle/PNL).

**IND-011295-A** 1 folder; 0.3 cu.ft.; inventory available. *Source:* Yael Bloom. *Contents Description:* Various articles about North American Natives and Alaska. *Descriptors:* Records

**IND-011495-A** 1 folder; 0.01 cu.ft. *Source:* Jon Harkness. *Collection:* Health and Human Services. *Contents Description:* Accession date is approximate. Documents include 1. Califano to Ryan concerning proposed

regualtions on research involving prisoners, 05/02/78; 2. Ryan to Califano, same topic, 03/21/78; 3. Califano to Ryan, same topic, 01/23/78; 4. Califano to Ryan, same topic, 01/30/78; 5. Ryan to Califano, 11/12/77; 6. Memo from the Assistant Secretary of Health to the HEW Secretary re. Proposed Regulations on Research Involving Prisoners -Action, 07/26/77; 7. Lowe, National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research, to the State Prison of Southern Michigan, 11/3/75. *Descriptors:* Ethical Guidelines; Human Subjects; Informed Consent; Prisoners; Public Health Service (PHS).

**IND-012095-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Joan McCarthy. *Contents Description:* Submitted by public comment participant: New West Article: Operation Wigwam. *Descriptors:* Weapons Research; Department of Defense (DOD).

**IND-012095-B** 1 document; 0.01 cu.ft. *Source:* Theron Gregg. *Contents Description:* Letter submitted by Theron Gregg at the Santa Fe meeting claiming experimentation while in prison. *Descriptors:* Radiation--Ionizing.

**IND-012095-C** 1 document; 0.01 cu.ft. *Source:* Cass Dee Williams. *Contents Description:* Statement of Cass Dee Williams submitted at the Santa Fe meeting, and claims to have been a subject in a radiation experiment conducted at a prison in Utah. *Descriptors:* Prisoners; Radiation--Ionizing.

**IND-012395-A** 14 documents; 0.03 cu.ft. *Source:* Frances Brown. *Contents Description:* Documents submitted by Mrs. Frances Brown pertaining to her husbands involvement with cloud tracking at the NTS during operation Teapot. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Cloud Sampling; Military Activities; Nevada Test Site (Mercury Nevada); Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Air Force (DOD/USAF); Department of Defense (DOD); Department of Energy (DOE); Los Alamos National Laboratory (DOE/LANL).

**IND-012395-B** 6 documents; 0.01 cu.ft. *Source:* Sue Rabbitt Roff. *Contents Description:* (1) Letter 12/5/58 to Robert W. Babione, Captain (MC) USN, Executive Secretary Armed Forces Epidemiological Board OSG-Army from Donald M. Pillsbury M.D., re: Discussing spring meeting of the AFEB and the use of "mental defectives" at the Woodbine State Colony for a study on the effects quantitative effects of x-rays on the Human skin. (2) Letter 5/20/58 to Dr. Francis . Jr., President Armed Forces Epidemiological Board from Donald Pillsbury, M.D. at the University of Pennsylvania. Re: same as previous letter. (3) Memo 5/22/58 for BRIGEN Sheldon Brownston, USAF (MC) Office of the Assistant Secretary of Defense (Health and Medical) from R.W. Babione, Re: Justification for the Armed Forces Epidemiological Board. (4) Minutes for the Radioepidemiology Study Group Argonne National Laboratory, February 2,3, 1959. (5) Letter from Dr. Thomas Francis School of Public Health University of Michigan from C.W. Shilling, M.D., Acting Director Division of Biology and Medicine, re: meeting scheduling for discussions on the environmental effects of atomic radiation. (6) Report (undated) concerning the Radiation Hazards from Internal Burdens of Radioactivity. *Descriptors:* Biological Effects; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Records; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC); Department of Defense (DOD).

**IND-012395-C** 3 documents; 0.03 cu.ft. *Source:* Victor Archer. *Contents Description:* Three documents regard uranium miners: DHEW/PHS "Uranium Miner Study Record," Re: for compensation, AEC report by the Director of Raw Materials: "Radiation Problem in Uranium Mines of the Colorado Plateau," Origin, History and Development of the Uranium Study files by Duncan A. Holaday prepared August 1964 from material in P.W. Jacoe's and Duncan A. Holaday's files by Duncan A. Holaday. *Descriptors:* Occupational Guidelines; Occupational Health; Radiation--Ionizing; Radiation Injury; Uranium Mining/Miners/Milling; Atomic Energy Commission (AEC); Department of Health Education and Welfare (DHEW); Public Health Service (PHS).

**IND-012495-A** 16 documents; 0.15 cu.ft. *Source:* Madiline Padula. *Collection:* P.O. Box 1105 Acton, MA 01720. *Contents Description:* Documents sent in by Madeline Padula who was exposed to radioactive uranium dust while prospecting for it in 1956. She was then treated by Dr. Shields Warren and believes she was subsequently involved in an experiment. Included in her submission are excerpts from a Journal she kept, pictures of her exposure area, and newspaper clippings relevant to her story. *Descriptors:* Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Radiation Injury; Uranium Mining/Miners/Milling.

**IND-012895-A** 1 document; 0.01 cu.ft. *Source:* Jon Harkness. *Collection:* Oak Ridge Institute for Nuclear Studies. *Contents Description:* Memorandum from E.R. Render to C.W. Hill regarding the intentional exposure of prisoners for research purposes. Dated 03/19/64, 6 pp. *Descriptors:* Experiments; Law & Legal Issues; Prisoners; Volunteers; Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS).

**IND-020695-A** 7 documents; 0.1 cu.ft. *Source:* Susan Dayton. *Contents Description:* (1.) Dayton, Susan. "Yellow Dust: A Historical perspective and current examination of Navajo uranium miner claims under the Radiation Exposure Compensation Act (RECA)." 12/10/94. (2.) Archer, Victor E. "Cancer Mortality Among Uranium Mill Workers." Journal of Occupation Medicine. Vol. 15 No. 1 1/73. (3.) Taylor, Linda. "Known and Suspected Radiological Health Hazards Relating to the Mining and Milling of Uranium." Northwest research and Information Center, 3/24/83. (4.)

Coultas, David B. "Respiratory Diseases in Minorities of the United States." American Journal of Respiratory and Critical Care Medicine. Vol. 149., 1993. (5.) Ball, Howard. "Government Failure to Take Due Care in a Risky Technology and The Question of Redress." Public Administration Review, May/June 1992, Vol. 52, No. 3. (6.) "Thoughts on Radiation Exposure Compensation Act." 1/25/95. (7.) The Office of Navajo Uranium Workers and Gary Weglarz. "An Examination of Cultural Bias in the radiation Exposure compensation Act (PL 101-426) and in its Implementation." May, 1994. *Descriptors:* Biological Effects; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Uranium Mining/Miners/Milling.

**IND-021595-A** 1 folder; 0.3 cu.ft. *Source:* Cliff T. Honicker. *Contents Description:* Documents obtained by Cliff Honicker from the Archives of the Medical College of Virginia (MCV), on thermal burn treatments and Dr. E. Evans. *Descriptors:* Contract Laboratories; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Prisoners; Radiation--Ionizing; Scientific Data; Scientific Equipment; Scientific Method; University Research.

**IND-021695-A** 1 folder; 0.03 cu.ft. *Source:* Harold Bibeau. *Contents Description:* Various correspondence and supporting documents sent by Harold Bibeau to ACHRE from July 1994 to February 1995. Accession is dated to most recent letter. *Descriptors:* No descriptors.

**IND-022595-A** 1 document; 0.02 cu.ft. *Source:* Jon Harkness. *Contents Description:* Jon M. Harkness, "Vivisectors and Vivishooters: Medical Experiments on American Prioners Before 1950," A Paper for Presentation at "Regulating Experiments in the United States: The Lessons of History," 2/23/95. *Descriptors:* No descriptors.

**IND-022795-A** 1 document; 0.02 cu.ft. *Source:* Darcy Thrall. *Contents Description:* Hanford Site Occurrence Notification Center Daily Activity Report, 02/23/94 to 4/11/94. *Descriptors:* Occupational Guidelines; Occupational Health; Hanford Site (Richland Washington).

**IND-022795-B** 3 documents; 0.03 cu.ft. *Source:* James Hamilton. *Contents Description:* (1) Two letters 2/18/95, 2/21/95 to Staffer Gary Stern from James Alexander Hamilton, M.D. describing Dr. Hamiltons's relationship with and activities for the CIA involving a study on the measure of Thyroid Function in the Puerperium, which may have involved the use of Radioiodine. (2) April 16, 1964 progress report on measurement of Thyroid function in the Puerperium. (Dr. Hamilton's statement on pp. 3-4 of the 2/21/95 letter that no in vivo Radioiodine thyroid uptake was done is contradicted by a 3/30/65 letter stating that such testing was being done.) *Descriptors:* Biological Effects; Experiments; Human Subjects; Medical Therapies; Pregnant Women; Private Laboratories; Radiation--Ionizing; Research--Nontherapeutic.

**IND-022895-A** 2 documents; 0.05 cu.ft. *Source:* Newell Stannard. *Contents Description:* (1) Letter to Stannard, 2/24/95, asking if he recalls AEC human Experiments ethics policy being discussed at Univ. of Rochester in late 1940's. 4 AEC ethics Documents enclosed. (2) Response from Stannard, 2/28/95, stating "these documents never came to my attention during my long period at the University of Rochester. *Descriptors:* Ethics; Atomic Energy Commission (AEC); University of Rochester.

**IND-030195-A** 1 folder; 1.5 cu.ft. *Source:* Coy D. Overstreet. *Contents Description:* Documents submitted by Coy D. Overstreet who gave a public comment, that is included. *Descriptors:* No descriptors.

**IND-030295-A** 6 documents; 0.07 cu.ft. *Source:* Richard D. Smyser. *Contents Description:* Included is the statement of Richard D. Smyser before the ACHRE, Knoxville meeting. Also newspaper clippings related to his case. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Oak Ridge National Laboratory (DOE/ORNL).

**IND-030795-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Charles Alvin Paulsen. *Contents Description:* Letter from Paulsen to editor of Spokesman-Review, Christopher Peck concerning 06/19/94 article on prisoners' study. *Descriptors:* Disclosure; Experiments; Human Subjects; Prisoners; Research--Nontherapeutic; Subjects; Volunteers; Department of Energy (DOE); University of Washington.

**IND-030995-B** 1 folder; 1.8 cu.ft. *Source:* Tidoro A. Garcia. *Contents Description:* Documents submitted by Tidoro A. Garcia, who spoke at the Santa Fe small panel meeting in January. *Descriptors:* No descriptors.

**IND-031695-A** 1 folder; 0.2 cu.ft. *Source:* Rosalie Petty. *Contents Description:* Documents submitted by Rosalie Petty regarding her effort to retrieve documents from the Veterans Administration on her Husband Ed Petty. *Descriptors:* Medical Diagnosis; Medical Records; Medical Therapies; Radiation Injury; Department of Defense (DOD); Department of Veterans Affairs (DVA); Veterans Administration (VA).

**IND-031795-A** 1 folder; 0.08 cu.ft. *Source:* David S. Egilman. *Collection:* DASA. *Contents Description:* Several documents submitted by Dr. David S. Egilman to the committee regarding expenditures for the U or Cincinnati experiments conducted by Eugene Sanger, during the early 70's. *Descriptors:* Cincinnati Experiments; Contracts/Contractors; Eugene Saenger; Defense Atomic Support Agency (DOD/DASA).

**IND-032095-A** 1 folder; 0.1 cu.ft. *Source:* Brenda Lee. *Contents Description:* Letter describing treatment at University of Tennessee for Cancer. Documents from the Hospitals where she received treatment are included. (Submitted during Knoxville small panel meeting.) *Descriptors:* Medical Diagnosis; Medical Records; Medical Therapies; Radiation--Ionizing; University of Tennessee.

*Sources and Documentation*

**IND-032195-A** 1 document; 1 audio tape 1 video tape *Source:* Janice E. Metzner. *Contents Description:* Documents, videotape, and audiotape compiled and recorded by Janice E. Metzner, re: possible experiment conducted at Santa Rita, California. *Descriptors:* No descriptors.

**IND-032395-A** 3 documents; 0.08 cu.ft. *Source:* Scott Amey. *Contents Description:* Two responses concerning the Groom Lake Facility , 1st by Nellis Public Affairs Sept. 7, 1994 and 2nd by DOJ Nov. 30, 1994. A Foia request by Region IX EPA. Articles proving lack of Knowledge concerning Secret Activities: including Congress, Nellis Spokeswoman, Nellis Environmental management, NU E.P.A. *Descriptors:* Air Force (DOD/USAF); Department of Defense (DOD).

**IND-032495-A** 2 documents; 0.05 cu.ft. *Source:* William Sweet. *Contents Description:* Curriculum vitae William Herbert Sweet, M.D., D.Sc. Bibliography of William Sweet, 521 items are on the list. Sweet researched boron-neutron capture therapy, localization of radioactive isotopes on the brain. and many other areas of neurosurgery. He was based at Massachusetts General Hospital in Boston, Mass, and collaborated with MIT, using its research reactor. *Descriptors:* Records.

**IND-033095-A** 5 documents; 0.15 cu.ft. *Source:* Norman Carl Rabin. *Contents Description:* Claims to be a victim of imprisonment on a satellite orbiting the earth. Presently is earth bound. *Descriptors:* No descriptors.

**IND-033195-A** 2 documents; 0.01 cu.ft. *Source:* H.W. Cummins. *Collection:* Walter Reed Army Institute of Research. *Contents Description:* Two memoranda dated 2/27/59 and 03/29/59, from the Walter Reed Army Institute of Research concerning a course taught at the medical center entitled Medico-Military Application Course of Nuclear Medical Officers.". *Descriptors:* Training; Walter Reed Army Institute of Research (DOD/USA).

**IND-041395-A** 7 documents; 0.1 cu.ft. *Source:* Stewart Udall. *Contents Description:* Collection of documents received from Stewart Udall: Court transcript in the US Court of Appeals for the Ninth Circuit, John Begay v. USA on appeal from the US District Court for the District of Arizona, Appellants' opening brief; Journal Article, Handbook of Experimental Pharmacology New Series, "Uranium Mining Hazards," by D.A. Holaday, O. Eichler, A. Farah, H. Herkin, A.D. Welch, vol XXXVI, New York 1973; Report, "Chronology of Uranium mining Health Protection Activities," Jan. 4, 1971; miscellanies memoranda regarding uranium mining. *Descriptors:* Occupational Guidelines; Occupational Health; Uranium Mining/Miners/Milling; Charles L. Dunham; Atomic Energy Commission (AEC).

**IND-041495-A** 1 folder; 0.15 cu.ft. *Source:* Dennis Nelson. *Contents Description:* Documents submitted to the committee by Dennis Nelson. Most of the documents pertain to St. George Utah, fallout, and downwinder issues. *Descriptors:* Experiments; Fallout; Radiation--Ionizing; Vulnerable Populations; Atomic Energy Commission (AEC).

**IND-041595-A** 1 document; 0.01 cu.ft. *Source:* Michele Stenehjem Gerber. *Contents Description:* Memo/report from the Manager of Health Instruments Division Richland, Washington, 7/26/48. Re: "Effect to Dissolver off-gas Scrubbings of Recorded Cooling Times." *Descriptors:* Green Run; Hanford Site (Richland Washington).

**IND-042495-A** 2 documents; 0.01 cu.ft. *Source:* Eugene P. Cronkite. *Collection:* Personal Letter. *Contents Description:* Letter from Eugene Cronkite, M.D., summarizing his observations on the records of the Joint Panel on Medical Aspects of Atomic Warfare. (Eugene Cronkite at one time was a member of the Joint Panel, but had little recollection of its work when he was interviewed. Documents were then sent to him to aid his recollection.) *Descriptors:* Brookhaven National Laboratory (DOE/BNL); Joint Panel on Medical Aspects of Atomic Warfare (DOD)

**IND-042895-A** 11 documents; 0.1 cu.ft. *Source:* Mary O. Hendrickson. *Contents Description:* Documents submitted by Mary O. Hendrickson-a downwinder-concerning her and her late husbands exposure in Utah and Arizona. *Descriptors:* Atomic Tests; Fallout; Military Activities; Radiation Injury; Department of Energy (DOE).

**IND-050595-A** 5 documents; 0.04 cu.ft. *Source:* Karen Steele. *Contents Description:* Various newspaper clippings from Spokane and Richland Washington, regarding the DOE site at Hanford and the effects on downwind populations. *Descriptors:* Radiation--Ionizing; Releases of Radioactivity; Hanford Site (Richland Washington).

**IND-050995-A** 1 document; 0.15 cu.ft. *Source:* Cooper Brown. *Contents Description:* Three documents given to the committee by activist Cooper Brown regarding the Marshall Islands: Chronology of Marshall Islands 1944-1978; Washington Post article of 5/31/88, "Islanders Left Unaware of A-test Hazards;" and Oversight Hearings on Safety of Rongelap Atoll, 11/16/89. *Descriptors:* Atomic Tests; Bikini Atoll; Biological Effects; Ethics; Experiments; Harm; Marshall Islands; Vulnerable Populations; Congress.

**IND-051195-A** 1 folder; 0.06 cu.ft. *Source:* John Kelly. *Contents Description:* Assortment of published articles and reports compiled by Mr. John Kelly regarding the experiments at the Fernald School for the Mentally Disabled in Massachusetts. *Descriptors:* Biological Effects; Children; Experimental Methods; Experiments; Medical Equipment; Medical Records; Mentally Ill (subjects); Radiation--Ionizing; Scientific Data; Scientific Method; Massachusetts Institute of Technology (MIT).

**IND-051295-A** 1 document; 0.01 cu.ft. *Source:* Robert Conard. *Contents Description:* Questions posed to Dr. Robert Conard by ACHRE staff regarding the Marshal Islands and Brookhaven National Labs involvement. *Descriptors:* Atomic Tests; Bikini Atoll; Consent; Experiments; Human Subjects; Marshall Islands.

**IND-052695-A** 1 document; 0.03 cu.ft. *Source:* Henry D. Royal. *Contents Description:* Letter from Dr. Shirley Fry of ORISE regarding individuals who have firsthand knowledge of working and experience in the ORINS/ORAU with attachments. *Descriptors:* Ethics; Experiments; Human Subjects; Volunteers; Oak Ridge Associated Universities (ORAU); Oak Ridge Institute for Nuclear Studies (ORINS).

**IND-053195-A** 1 folder; *Source:* Marcia Haggard. *Contents Description:* Documents relating to Mrs. Marcia Haggard's exposure to radium at the tender age of 11 weeks old in 1939. *Descriptors:* Experiments; Harm; Medical Diagnosis; Medical Therapies; Radiation--Ionizing; Radiation Injury.

**IND-061495-A** 12 documents; 0.1 cu.ft. *Source:* William R. Bibb, Fred Boyce, Mary Jane Bunch, Betty Freels, Barbara Humphrey, John Lane, Venia Lazenby, Wilton McClure,Dorothy Litton McWright, Janice Stokes, Carolyn Szetela, Eddie Vaughn. *Contents Description:* Testimonies of public comment participants: Betty Freels, Fred Boyce 02/17/95, Mary Jane Bunch 3/4/94, William R. Bibb 3/2/95, Eddie Vaughn, Barbara Humphrey, Janice Stokes 3/2/95, Venia Lazenby 3/2/95, Carolyn Szetela 3/2/95, John Lane, Wilton McClure, and Dorothy Litton McWright. *Descriptors:* No descriptors.

**IND-061495-B** 1 folder; 0.15 cu.ft. *Source:* Susan E. Dawson, Paula Elofson-Gardine, Gary Litton, Gary E. Madsen, Dot Mcleod, Richard Sheldon, Marylin C. Stanley, Paul S. White. *Contents Description:* Supporting documents and some testimonies submitted by the following individuals: Paula Elofson-Gardine, Paul S. White, Dot Mcleod, Marylin C. Stanley, Susan E. Dawson and Gary E. Madsen, Richard Sheldon, and Gary Litton. *Descriptors:* No descriptors.

**IND-061595-A** 1 document; 0.1 cu.ft. *Source:* Susan Dayton. *Contents Description:* Report: "One Leg in the Grave: The Navajo uranium miners' struggle for restitution under the Radiation Exposure Compensation Act (RECA). *Descriptors:* Uranium Mining/Miners/Milling.

**IND-061695-A** 2 video tapes *Source:* Suzanne White Junod. *Contents Description:* Video taped interview with Dr. Ruth Faden while on McNeil News Hour. *Descriptors:* Interviews.

**IND-062795-A** 1 document; 0.01 cu.ft. *Source:* Dan Guttman. *Contents Description:* Notes by Dan Guttman of a teleconference call with Dr. Kulp. Steve Klaidman also participated. Principel topics discussed: Project Sunshine and human body sampling. *Descriptors:* Biological Effects; Fallout; Human Subjects; Interstate Bodies; Interviews; Law & Legal Issues; Radiation--Non-ionizing; University Research; Vulnerable Populations; Willard F. Libby; Atomic Energy Commission (AEC).

**IND-063095-A** 1 document; 0.01 cu.ft. *Source:* Robert A. Conard. *Contents Description:* Notes on telephone interview of Dr. Robert A. Conard by Steve Klaidman (ACHRE). Subject was followup studies on Marshallese. *Descriptors:* Atomic Tests; Bikini Atoll; Biological Effects; Fallout; Human Subjects; Marshall Islands; Medical Diagnosis; Medical Ethics; Medical Therapies; Radiation--Ionizing; Robert Conard; Atomic Energy Commission (AEC); Brookhaven National Laboratory (DOE/BNL).

**IND-070395-A** 1 folder; 0.025 cu.ft. *Source:* Merril Eisenbud. *Contents Description:* Merril Eisenbud's review of biodistribution (June 25, 1995 letter and enclosures) and observational studies (July 3, 1995 letter and enclosures) draft chapters. He also includes several documents with his comments. See accessions contents. *Descriptors:* Atomic Tests; Biological Effects; Classified Research; Consent; Ethical Guidelines; Ethical Standards; Experiments; Fallout; Federal Laboratories; Guidelines/Regulations; Informed Consent; Marshall Islands; Occupational Guidelines; Occupational Health; Plutonium Injections; Radiation--Ionizing; Research--Nontherapeutic; Research Ethics; Uranium Mining/Miners/Milling; Vulnerable Populations; Egon Lorenz; Louis H. Hempelmann; Merrill Eisenbud; Atomic Energy Commission (AEC); Manhattan Engineer District (War/CE/MED); New York Operations Office (AEC/NYOO); Public Health Service (PHS).

**IND-070695-A** 1 document; 0.01 cu.ft. *Source:* John Kruger. *Collection:* Chinese Hospital. *Contents Description:* ACHRE E-mail on a telephone conversation between Lori Hefner, DOE archivist at the University of California, Berkeley and John Kruger. She reports that the 1950s-era records of the Chinese Hospital have been destroyed. *Descriptors:* CAL 1 2 or 3; Plutonium Injections.

**IND-070795-A** 7 documents; 0.03 cu.ft. *Source:* John Kelly. *Contents Description:* CIA documents regarding a project named EARL from 1967 to 73. *Descriptors:* Experiments; Human Subjects; Secrecy; Central Intelligence Agency (CIA).

**IND-070795-B** 1 document; 0.01 cu.ft. *Source:* Steve Klaidman. *Contents Description:* Steve Klaidman's notes of a telephone conversation with Merril Eisenbud, July 7, 1995. Subject is uranium miners. *Descriptors:* Beryllium; Guidelines/Regulations; Interviews; Law & Legal Issues; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Toxicity; Uranium Mining/Miners/Milling; Merrill Eisenbud; New York Operations Office (AEC/NYOO).

*Sources and Documentation*

**IND-071295-A** 1 document; 0.1 cu.ft. *Source:* Barbara Looney. *Contents Description:* Interview transcript with Alan Ducatman by Barbara Looney on Tuesday, November 22, 1988. *Descriptors:* Interviews.

**IND-071395-A** 5 folders; 0.75 cu.ft. *Source:* Gregg Herken. *Contents Description:* This collection consists of two sets of binders full of documents compiled by staffer Gregg Herken during his research: Critical Documents and Calchron. *Descriptors:* Animal Experimentation; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; CAL 1 2 or 3; Experimental Methods; Experiments; Human Subjects; Occupational Guidelines; Occupational Health; Plutonium Injections; Radiation--Ionizing; Radiation Injury; Research--Nontherapeutic; Scientific Data; Scientific Method; University Research; Atomic Energy Commission (AEC); Department of Defense (DOD); Lawrence Berkeley Laboratory (AEC/LBL); Lawrence Livermore National Laboratory (DOE/LLNL); University of California - Berkeley (UCB): Radiation Laboratory; University of California - Los Angeles (UCLA); University of California - San Francisco (UCSF); University of California - San Francisco (UCSF): Hospital.

**IND-071395-B** 6 documents; 0.015 cu.ft.; inventory available. *Source:* Stewart Udall. *Contents Description:* Documents regarding uranium miners sent to ACHRE staff. See accession contents for inventory. *Descriptors:* Occupational Health; Uranium Mining/Miners/Milling; Merrill Eisenbud; Atomic Energy Commission (AEC); New York Operations Office (AEC/NYOO).

**IND-071795-A** 2 documents; 0.01 cu.ft. *Source:* Dennis Nelson. *Contents Description:* Transcript and abstract of Dennis Nelson's statement before the July 17-19, 1995 meeting. *Descriptors:* No descriptors.

**IND-071795-B** 1 document; 0.01 cu.ft. *Source:* David S. Egilman. *Contents Description:* Transcript of public statement of David S. Egilman MD, MPH before the committee during the July 17-19, 1995 meeting. *Descriptors:* No descriptors.

**IND-072095-A** 1 document; 0.01 cu.ft. *Source:* Individual. *Contents Description:* Petition from the following, "As citizens, scholars, health and scientists we urge the Advisory Committee to maximize its effectiveness by adding three additional members who represent the subjects of radiation experiments and their supporters so that they might have full membership on the Committee during its final deliberations. Received by staff during the July 17-19 meeting. *Descriptors:* No descriptors.

**IND-072095-B** 1 document; 0.07 cu.ft.1 audio tape *Source:* Barbara Looney. *Contents Description:* Transcript and audiotaped interview with Harriet Hardy by Barbara Looney on December 29, 1988. *Descriptors:* Interviews.

**IND-072095-C** 2 audio tapes *Source:* Daniel O'Neill. *Contents Description:* Interview with Wayne Hanson and D. O'Neill on 5/4/88. Hanson describes his career in radioecology, particularly in the Alaskan radioecology studies. These began with a baseline environmental study carried out before Project Chariot, which would have dug a harbor in Alaska using nuclear explosives but was never carried out. This led to detailed understanding of the environmental fate in lichen, caribou, and the natives peoples who ate caribou. Does not refer to intentional releases studies. *Descriptors:* Interviews.

**IND-072095-D** 1 document; 0.01 cu.ft. *Source:* Charles Alvin Paulsen. *Contents Description:* Notes on a telephone interview with Alvin Paulsen by Steve Klaidman (ACHRE). Subject was Washington State prisoners' study. *Descriptors:* Biological Effects; Consent; Experiments; Human Subjects; Prisoners; Radiation--Ionizing; Research--Nontherapeutic; Spermatogenesis; University of Washington; Washington State Prison (Walla Walla).

**IND-072095-E** 1 document; 0.01 cu.ft. *Source:* Jim Ruttenber. *Contents Description:* Notes on a telephone interview with Jim Ruttenber, ex-CDC epidemiologist by Steve Klaidman (ACHRE). Subject is Oregon prisoners' study. *Descriptors:* Human Subjects; Prisoners; Informed Consent; Radiation--Ionizing; Oregon State Prison (Selon Oregon).

**IND-072095-F** 1 document; 0.01 cu.ft. *Source:* Don Mastick. *Contents Description:* Notes on a telephone interview with Don Mastick that Steve Klaidman stated occurred 07/20/95. Subject was accident involving plutonium occurring at Los Alamos. *Descriptors:* Classified Research; Contract Laboratories; Experiments; Human Subjects; Physical Measurement; Radiation--Ionizing; Research--Nontherapeutic; Louis H. Hempelmann; Robert Oppenheimer; Los Alamos National Laboratory (DOE/LANL); Manhattan Engineer District (War/CE/MED).

**MASS-071694-A** 1 folder; 0.01 cu.ft. *Source:* Commonwealth of Massachusetts, Department of Mental Retardation Task Force. *Collection:* Task Force. *Contents Description:* Newspaper clippings related to the work of the Massachusetts Task Force the use of Radioactive Materials in Human Subject Research that involved residents of state - operated facilities. *Descriptors:* Experiments; Human Subjects; Mentally Ill (subjects).

**MASS-072194-A** 1 document; 0.1 cu.ft.; inventory available. *Source:* Commonwealth of Massachusetts, Executive Office of Health and Human Services. Department of Mental Retardation. Task Force on Human Subject Research. *Contents Description:* "A report on the use of radioactive materials in human subject research that involved residents of state-operated facilities within the Commonwealth of Massachusetts from 1943 through 1973". *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Vulnerable Populations.

**MASS-072194-B** 1 document; 0.02 cu.ft.; inventory available. *Source:* Commonwealth of Massachusetts, Executive Office of Health and Human Services. Department of Mental Retardation. Working Group on Human Subject Research. *Contents Description:* "The thyroid studies: a follow-up report on the use of radioactive materials in human subject research that involved residents of state-operated facilties within the Commonwealth of Massachusetts from 1943 through 1973". *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Vulnerable Populations.

**MGH-030395-A** 1 folder; 0.06 cu.ft.; inventory available. *Source:* Massachusetts General Hospital. *Contents Description:* Evolution of Peer Review Processes at the MGH. Radioactive Isotope Committee, Committee On Research, Guiding Principles for Human Studies, The Subcommittee on Human Studies, Historical Landmarks (history of informed conformed consent), Nuremberg Code, Declaration of Helsinki, Belmont Report. *Descriptors:* Helsinki Code; Records; Massachusetts General Hospital (MGH).

**MIC-010495-A** 1 folder; 0.1 cu.ft. *Source:* University of Michigan. *Contents Description:* Documents retieved from the University of Michigan by staff member Johnathan Engel. *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Informed Consent; University of Michigan.

**MIT-111794-A** 1 folder; 0.3 cu.ft. *Source:* Massachusetts Institute of Technology, Institute Archives and Special Collections. *Contents Description:* A collection of documents related to the following categories: 1. Advisory Committee on Isotope Distribution Washington D.C. 3/26-27/51. 2. Isotopes-Clinton Labs-not by Evans "Treasure Chest of selected correspondence in 1946 and 1947 re: radioisotope distribution form MIT during WWII and form MED and AEC. 3. Early days of radioactive iodine and other MGM/MIT Collaborations. 4. Biophysical Basis of Radium Bath Therapy, B. Rajewsky. 5. July 4, 1943 shipment of 3 to 7 curies of Na24 to the University of Rochester. 6. Toxicity of radiation in 1939. (Documents selected by Gil Whittemore form the papers of Robley Evans.) *Descriptors:* Experiments; Radiation--Ionizing; Scientific Data; Scientific Method; University Research; Clinton Laboratory (War/CE/MED); University of Rochester.

**MIT-111794-B** 1 folder; 0.3 cu.ft. *Source:* Massachusetts Institute of Technology, Institute Archives and Special Collections. *Contents Description:* Records of MIT Records of MIT Records of MIT Cyclotron and Radioactivity Center: 1. Circulars received from the isotopes Division of the AEC. 2. Records relating to production and distribution of isotopes produced in the MIT Cyclotron. (Selected by Gil Whittemore from the papers of Robely Evans.) *Descriptors:* Methods and Techniques; Occupational Guidelines; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Method; Atomic Energy Commission (AEC); Oak Ridge National Laboratory (DOE/ORNL); Isotopes Branch (AEC).

**MIT-111794-C** 1 folder; 0.05 cu.ft. *Source:* Massachusetts Institute of Technology, Institute Archives and Special Collections. *Contents Description:* Excerpts from Robley Evans papers, selected by Gil Whittemore: 1. "Metallurgical Lab University of Chicago." 2. "Fred". (Concerns WWII Radiological Warfare Research "Fred" involves what may be an intentional release.) *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Classified Research; Experiments; Fallout; Race; Radiological Warfare; Releases of Radioactivity; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; .

**MIT-111794-D** 1 folder; 0.2 cu.ft. *Source:* Massachusetts Institute of Technology, Institute Archives and Special Collections. *Contents Description:* Excerpts (selected by Gil) from the Chronological correspondence file of the Radioactivity Center at MIT, primarily authored by Robley Evans, Dealing with MIT Cyclotron, isotope production, distribution and use and radon breath tests. *Descriptors:* Biological Effects; Experiments; Fallout; Human Subjects; Radiation--Ionizing; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research .

**MIT-111794-E** 1 folder; 0.1 cu.ft. *Source:* Massachusetts Institute of Technology, Institute Archives and Special Collections. *Contents Description:* Documents from the Robley Evans papers - records of MIT Radioactivity Center: 1. "Cyclotron Produced Isotopes 1945-1950" 2. "Protection" 3. "NIA 1950-1951 Worksheets" (documents related to an NIH funded study) 4. "Operation Data" (case histories of 2 workers claiming radiation injury due to work at cyclotron). (Documents selected by Gil Whittemore) *Descriptors:* Biological Effects; Contracts/Contractors; Experimental Methods; Experiments; Radiation--Ionizing; Records; Research--Therapeutic; University Research; Shields Warren; Robley Evans; Paul C. Aebersold; Atomic Energy Commission (AEC).

**MIT-111894-A** 20 documents; 0.1 cu.ft. *Source:* Massachusetts Institute of Technology, Institute Archives and Special Collections. *Contents Description:* Following Documents from the MIT Library: 1. Dec. 1, 1943 Committee on Medical Research of OSRD, Monthly Progress Report #1 "Argonne Desaturation." 2. Aug. 15, 1944 OSRD, Committee on Medical Research , Aviation Medicine "Development of Technique for Measuring Saturation and Desaturation Curves by the Use of Long-Period Radioactive Argon at Atmospheric Pressure." 3. Eight letters form the archives office of the President of MIT regarding the Radioactivity Center at MIT and the Isotope Committee at MIT. 4. Ten journal articles form Technology Review (MIT's alumni Magazine) on the MIT Cyclotron, ranging form 1938-1965. *Descriptors:* Biological Effects; Consent; Experimental Methods; Experiments; Human Subjects; Meetings; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Method; .

*Sources and Documentation*

**MIT-020995-A** 2 documents; 0.01 cu.ft. *Source:* Massachusetts Institute of Technology, Archives. *Collection:* Robley Evans Papers, 82-22; box 10; "plutonium". *Contents Description:* 1. Letter, Gardiner (Director, Technical Support Div. Chicago Office, AEC) to Dr. Robert G. Sachs (Director, Argonne Nat'l Lab) regarding study of Pu injections, consent forms, and "proper disclosure," Dec. 31, 1974. 2. Letter, R.E. Rowland (Director, Radiological and Environmental Research Division Argonne National Labs) to Robley Evans, Feb. ^, 1975, explaining what Gardiner meant by "Proper disclosure.". *Descriptors:* Consent; Consent Forms; Disclosure; Ethics; Argonne National Laboratory (DOE/ANL).

**MIT-030395-A** 4 documents; 0.1 cu.ft.; inventory available. *Source:* Massachusetts Institute of Technology, Archives. *Collection:* MC133 Box 1. *Contents Description:* Oral history interviews on "The history of the MIT Committee, On the Use of Humans as Experimental Subjects", project conducted by Charlotte Fishman. Includes interviews of Hans-Lukas Teuber, MD, On 5/19/76, Warren Point, MD on 3/15/76 Dr. Harriet Hardy, 5/6/76. *Descriptors:* Interviews; Massachusetts Institute of Technology (MIT).

**MIT-030395-B** 2 folders; 0.25 cu.ft.; inventory available. *Source:* Helen Samuels (Massachusetts Institute of Technology). *Contents Description:* Correspondence selected by ACHRE Staff member Gil Whittemore from the following folders: Subcommittee On Internal Dose, AEC Subcommittee On General Applications, Subcommittee Human Applications, Chalk River Permissible Dose, Radiological Safety Regulations, radiation Insurance. *Descriptors:* Human Subjects; Massachusetts Institute of Technology (MIT).

**MIT-030395-C** 2 folders; 0.12 cu.ft. *Source:* Helen Samuels (Massachusetts Institute of Technology). *Contents Description:* Documents related to the U.S. Navy Radiological Defense Laboratory (USNRDL). These were acquired by Robley Evans in his role as consultant to the Navy Most are related to Evans periodic site visits. *Descriptors:* Radiological Warfare; Navy (DOD/USN).

**MIT-042495-A** 1 document; 0.05 cu.ft. *Source:* Massachusetts Institute of Technology, Archives. *Collection:* MC 29: Papers of Carroll Louis Wilson, 1910 - 1983. *Contents Description:* Partial Copy of finding aid to MIT Archives collection MC 29, Papers of Carroll Wilson (1910 - 1983). (Wilson was the first General Manager of the AEC. This Accession contains that part of the finding aid containing items related to Wilson's years at the AEC.) *Descriptors:* Records; Carroll Wilson; Atomic Energy Commission (AEC); Massachusetts Institute of Technology (MIT).

**MIT-050495-A** 15 documents; 0.03 cu.ft. *Source:* Massachusetts Institute of Technology, Archives. *Collection:* Carroll Wilson Papers, Collection MC 29. *Contents Description:* MC 29, Box 17 Folder 785: Correspondence related to AEC, With J.C. Franklin (re: Oak Ridge), Frank Watters, Albert Holland, Henry Fly, W.E. Kelley (includes Kelley's letter of resignation as Manager of AEC New York Operations Office. MC29, box 17, folder 72: poems by AEC staff. MC 29, box 17, folder 1882: personal correspondence with shields Warren, 9 letters, 1952 - 1980. MC 29, Box 17, folder 790: AEC poster on means of controlling chair reactions. *Descriptors:* Carroll Wilson; Shields Warren; Massachusetts Institute of Technology (MIT).

**MIT-053095-A** 1 folder; 0.05 cu.ft. *Source:* Massachusetts Institute of Technology, Archives. *Collection:* MC 29: Papers of Carroll Wilson. *Contents Description:* Documents selected from papers of Carroll Wilson General Manager of the AEC from 1947-1950: (1) Correspondence with David Lilienthal (2) Speeches by Wilson, delivered in 1947 and 1948, on "Problems of Management in the AEC" (3) Correspondence with Vannevar Bush, 1942-1952 (4) Responses to Wilson's resignation in 1950 from his position as General Manager of the AEC (5) Resignation of Wilson as General Manager of AEC: Letter resignation to Pres. Truman, letter from Pres. Truman, letter from Pres. Truman accepting resignation, AEC press release, AEC Memo for Information: Remarks of chairman Gordon Dean, August 9, 1950; Memo to the AEC by Carroll Wilson, Aug. 4, 1950. *Descriptors:* Guidelines/Regulations; Human Subjects; Carroll Wilson; David E. Lilienthal; Vannevar Bush; Atomic Energy Commission (AEC).

**MON-030295-A** 24 documents; 0.15 cu.ft. *Source:* Montefiore Medical Center, Office of Legal Affairs. *Collection:* The University Hospital for the Albert Einstein College of Medicine. *Contents Description:* Twenty four journal articles of experiments preformed at Montefiore, using Sr 85, Sr 90, and Ca 45. These experiments were primarily conducted by Daniel Laszlo and Herter Spencer. *Descriptors:* Experimental Methods; Experiments; Medical Diagnosis; Medical Therapies; University Research.

**MON-031795-A** 50 documents; 0.2 cu.ft. *Source:* Denise Lachance (Montefiore Medical Center). *Contents Description:* Journal articles that discuss experiments in which external radiation or radioisotopes were administered to humans at Montefiore Medical Center during the period from 1944 through 1974. *Descriptors:* No descriptors.

**MON-040395-A** 26 documents; 0.15 cu.ft. *Source:* Montefiore Medical Center, Office of Legal Affairs. *Contents Description:* Twenty-six journal articles that discuss radiation experiments on humans conducted at Montefiore Medical Center during the period of 1944 through 1974. *Descriptors:* Experimental Methods; Experiments; Radiation--Ionizing; Scientific Data; Scientific Method.

**NARA-053194-A** 1 document; 0.05 cu.ft. *Source:* Jeannie Young (National Archives and Records Administration). *Collection:* Atomic Energy Commission records. *Contents Description:* Folder title inventory for the Atomic Energy Commission Secretariat files, 1951-1958. *Descriptors:* Records; Atomic Energy Commission (AEC).

**NARA-060794-A** 2 documents; 0.01 cu.ft. *Source:* National Archives and Records Administration, Civil Reference. *Collection:* NARA RG 227, OSRD, CMR, Minutes of the CMR, 1941-1946, 9/2/42-2/11/43, Entry 162, Box 4. *Contents Description:* The handwritten and final versions of the minutes of the Committee on Medical Research meeting on 29 October 1942; at this meeting, the CMR formulated a general policy on human experimentation. *Descriptors:* Ethical Guidelines; Ethical Policies; Experiments; Guidelines/Regulations; Committee on Medical Research (EOP/OSRD/CMR); Office of Scientific Research and Development (EOP/OSRD).

**NARA-062094-A** 3 documents; 0.05 cu.ft. *Source:* National Archives and Records Administration. *Contents Description:* Materials re: DOD Research and Development Board, Panel on Medical Aspects of Atomic Warfare, 1949-1952. *Descriptors:* Military Activities; Weapons Research; Department of Defense (DOD); Department of Defense (DOD): Research and Development Board.

**NARA-062494-A** 2 folders; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Collection:* NARA Collections 1130 and 1131, and Collection 1132 at the DOE History Division. *Contents Description:* Inventories of NARA and DOE/AEC Division of Biology and Medicine Collections: NARA Collections 1130 and 1131; DOE Collection 1132, incl. "Organization and Management," "Redwing Fallout Maps," "Albuquerque vol. 8 June 1966-," and "MHS-3 (1963)". *Descriptors:* Records; Atomic Energy Commission (AEC); Atomic Energy Commission (AEC): Division of Biology and Medicine; Department of Energy (DOE).

**NARA-062994-A** 1 document; 0.05 cu.ft. *Source:* National Archives and Records Administration, GPO Publications. *Contents Description:* Report to the Congress of the U.S. Review of Manned Aircraft Nuclear Propulsion Program: Feburary (1963) AEC+DOD by the Comptroller General of the United States. (Review and critique of administration of NEPA program following its closure -- copied at NARA Washington D. C. ) *Descriptors:* Agency Histories; Weapons Research; Atomic Energy Commission (AEC); Department of Defense (DOD); Air Force (DOD/USAF).

**NARA-070794-A** 8 documents; 0.2 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* NARA RG# 52. *Contents Description:* Various documents from the files of the Bureau of Medicine, Department of the Navy; "The most important set..includes a 3/22/50 memo from the chairman of the NEPA Medical Advisory Committee to the Director of Medical Services within the Office of the Secretary of Defense forwarding a 9-page memo written by Dr. Robert Stone which strongly urges the DOD conduct human radiation experiments in connection with the NEPA project. (NEPA was the Air Force's nuclear engine powered aircraft project)..". *Descriptors:* Experiments; Human Subjects; Military Activities; Radiation--Ionizing; Weapons Research; Navy (DOD/USN).

**NARA-071194-A** 12 documents; 0.02 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* NARA RG #330. *Contents Description:* "..documents of various Research and Development Board panels, committees, and officials..[including] several memos and letters from 1949-1953 which set forth different panel's and committee's views on the need for human experiments involving radiation, hepatitis, and chemical warfare agents..Some of the other documents concern planned or actual biomedical experiments in connection with nuclear weapons tests." *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Weapons Research; Department of Defense (DOD): Research and Development Board.

**NARA-071894-A** 5 documents; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration, Atlanta Branch. *Collection:* NARA Atlanta RG #526 (68-A1096) Boxes 433 and 343. *Contents Description:* Correspondence and records of NASA-AEC joint projects, 1961-1963 (fragmentary). *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology; Atomic Energy Commission (AEC); Lawrence Livermore National Laboratory (DOE/LLNL); National Aeronautics and Space Administration (NASA); Oak Ridge National Laboratory (DOE/ORNL).

**NARA-072894-A** 4 documents; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Army Office of Surgeon General records, National Archives. *Contents Description:* Army Office of Surgeon General Medical Research & Development Board Program Reports. Excerpts from three quarterly reports from 1949 & one semi-annual report from 1950. They are all from Entry #346A of RG #330 at the downtown National Archives. Among other things, they contain lengthy descriptions of the Medical College of Virginia project. Copies of these were provided to Susan Lederer at ACHRE meetings this week. All reports from 1947 through 1951 are in Entry #346A. *Descriptors:* Agency Histories; Department of Defense (DOD); National Archives and Records Administration (NARA).

**NARA-082294-A** 1 box; 1.5 cu.ft. *Source:* National Archives and Records Administration, Atlanta Regional Archives. *Contents Description:* Department of Energy materials selected from the Atlanta regional archives office; Copy 2

includes inventories of the Atlanta collections. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; Department of Energy (DOE).

**NARA-083094-A** 43 documents; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Contents Description:* Two Navy documents, both are from #346A of records Group #330 at the downtown NARA. The first is an excerpt from 1/1/48 "Quarterly project Summary" of the Office of Naval Research. The Second is the complete Office of Naval Research annual report for 1951 on its work in connection with various atomic warfare technical objectives as established by the Research and Development Board. On 11/2/94 Jim David submitted more material from RG # 330 and Entry # 346A, these documents represent combined project description and project progress forms for selective Naval experiments, circa 1949-54. See the Accession Contents for a more. *Descriptors:* Agency Histories; Experiments; Human Subjects; Weapons Research; Navy (DOD/USN).

**NARA-083094-B** 2 documents; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Contents Description:* Both Documents are from the Army Chemical Corps, Both are from Entry #346A of Record Group #330 at the downtown National Archives. The first is a 10/1/47 quarterly progress report, the second is a description of the planned R&D program for FY 1950. *Descriptors:* Agency Histories; Weapons Research; Army (DOD/USA); Chemical Corps (DOD/USA/CC).

**NARA-091494-A** 8 documents; 0.02 cu.ft. *Source:* National Archives and Records Administration. *Collection:* RG #326 At the Downtown NARA: 1952 - 1958 Executive Secretariat Files. *Contents Description:* These are the relevant documents from the first 50 boxes of above collection (the only boxes the DOE reviewers at NARA have reviewed thus far). All concern fallout studies, except one which concerns isotope distribution. Some of the documents may be available in the History Division collection at Germantown. *Descriptors:* Fallout; Atomic Energy Commission (AEC); National Archives and Records Administration (NARA).

**NARA-091494-B** 24 documents; 0.02 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* RG #330 At the Downtown NARA: Armed Forces Medical Policy Council & It's Predecessors. *Contents Description:* Among other things, documents concern: 1) the history of AFMPC & its Predecessors, 2) biomedical tests for Greenhouse, 3) need for increased biomedical research in nuclear weapons tests, & 4) the joint medical sciences Intelligence Committee under CIA's Scientific Intelligence Committee. *Descriptors:* Armed Forces Medical Policy Council (DOD/OSD/AFMPC); National Archives and Records Administration (NARA).

**NARA-091594-A** 1 document; 0.01 cu.ft. *Source:* National Archives and Records Administration, War Department. *Collection:* RG #77 At Downtown NARA. *Contents Description:* Report for proposals for Research & Development in the field of Atomic Energy, prepared by Scientific Panel of the Interim Committee on Atomic Power, 9/28/45. Transmittal letter dated 9/28/45 included. Excerpt from recently-declassified 9/28/45 scientific panel report to the Interim Committee (the Panel was headed by J. R. Oppenheimer). this excerpt contains the appendices written by Dr. Robert Stone & Dr. Joseph Hamilton on the biomedical research program that should be carried out & why. *Descriptors:* Robert Oppenheimer; Robert Stone; Joseph Hamilton; National Archives and Records Administration (NARA); War Department (War).

**NARA-091594-B** 6 documents; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* AEC Division of Biology and Medicine: RG #326 At the Downtown NARA. *Contents Description:* These are all relevant documents from the totally unclassified or declassified files in the DBM fallout collection in RG #326 (most of the files still have some classified items in them & were not made available to us.) Among other things, there is an excerpt from the 10/1/57 - 9/30/58 Project Sunshine annual report which describes the "medico - legal" problems in getting fetuses for tissue analysis & the efforts to overcome them. There are some declassified files from this collection at the History Division in Germantown. *Descriptors:* Records; Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); National Archives and Records Administration (NARA).

**NARA-092394-A** 19 documents; 0.5 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* RG 235 and 443. *Contents Description:* Selected documents copied from NARA, the relate to PHS / NIH defense planning and research projects. *Descriptors:* Records; National Archives and Records Administration (NARA); National Institutes of Health (NIH); Public Health Service (PHS).

**NARA-100794-A** 4 documents; 0.01 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Joint Committee on Atomic Energy, RG # 128 at downtown NARA. *Contents Description:* Four recently - declassified JCAE documents on the AEC biomedical research program. 1. Letter: from John S. Foster Director of LRL to Senator John Pastore Chairman Joint Committee on Atomic Energy, discusses the projects ongoing at the Lab as of 4/1/64. 2. Memo: from Edward L. Heller dated 2/9/53 to ?, discussing budget matters. 3. Memo 6/24/48: no author, subject Conference with Dr. Bowers, Deputy Chief, Bio & Med Division, AEC, and Dr. Brobeck and Dr. Heller, on June 22, 1948 at 2:30 p.m. 4. Letter 11/17/50: to Carroll L. Tyler from N.E. Bradbury, Los Alamos Scientific Laboratory Technical Program for Calendar Year 1951 and Fiscal Year 1952. . *Descriptors:* Agency Histories; Atomic Tests; Biological Effects; Classified Research; Experimental Methods; Experiments; Fallout; Occupational

Guidelines; Radiation--Ionizing; Scientific Data; Scientific Method; Scientific Standards; University Research; Weapons Effectiveness; Weapons Research; Lawrence Livermore National Laboratory (DOE/LLNL); Los Alamos National Laboratory (DOE/LANL); National Archives and Records Administration (NARA).

**NARA-101294-A** 1 folder; 0.01 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Entry # 199 of RG # 330 at NARA. *Contents Description:* Documents from 1952 and early 1953 leading up to Secretary Wilson's Nuremberg Directive of February 1953. Covering topics of volunteers and prisoners and Nuremberg code and the development of a US Code. *Descriptors:* Agency Histories; Biological Effects; Military Activities; Nuremberg \Codes/Trials; Radiation--Ionizing; Research--Nontherapeutic; Standards; Voluntariness; Volunteers; Weapons Effectiveness; Weapons Research; National Archives and Records Administration (NARA); Armed Forces Medical Policy Council (DOD/OSD/AFMPC).

**NARA-101294-B** 1 folder; 0.07 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Entry # 354 of RG # 330 at NARA file (in box # 8). *Contents Description:* Excerpt from 1948 report of the Subcommittee on Medical Research, Committee on Medical and Hospital Services of the Armed Forces (the Hawley Board). It describes the organizations at that time involved with Biomedical research within the DOD. (Legal sized) *Descriptors:* Agency Histories; Biological Effects; Experiments; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; National Archives and Records Administration (NARA); Department of Defense (DOD); School of Aviation Medicine (DOD/USAF/SAM).

**NARA-101294-C** 1 document; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Entry # 342 in RG # 330 at NARA from box #27. *Contents Description:* This is the complete Verbatim Transcript of the 17th meeting of the RDB's (Research and Development Board) Committee on Medical Sciences. 10/19/52. (Legal Sized) *Descriptors:* Agency Histories; Biological Effects; Experiments; Guidelines/Regulations; Interagency Bodies; Military Activities; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Department of Defense (DOD); National Archives and Records Administration (NARA); Research and Development Board (DOD/RDB).

**NARA-101994-A** 14 documents; 0.3 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Entry #346A, RG #330. *Contents Description:* Documents From the War Department, Meetings of Special Weapons Subcommittee, Progress Reports from decompression studies at Ohio State and Duke, Also progress reports on the effect of irradiation of P32 uptake by bone marrow. *Descriptors:* Agency Histories; National Archives and Records Administration (NARA); War Department (War).

**NARA-102594-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Entry #342 In RG #330. *Contents Description:* Department of Defense Research & Development Board Committee On Human Resources, Transcripts of 16 Meeting, Department of Defense Committee On Chemical Warfare, Transcript of 14 Meeting, Department of Defense Committee On Chemical Warfare, Transcript of 15 Meeting. *Descriptors:* Agency Histories; Department of Defense (DOD).

**NARA-102594-B** 14 documents; 0.4 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Downtown NARA, Entry # 346 A of RG # 330. *Contents Description:* USAF records from Entry # 346A of RG # 330. Includes R & D progress reports for 1949 - 53. *Descriptors:* Agency Histories; Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Experiments; Fallout; Fallout Countermeasures; Human Subjects; Military Activities; Nevada Test Site (Mercury Nevada); Radiation--Ionizing; Radiological Warfare; Records; Releases of Radioactivity; Research--Nontherapeutic; Research--Therapeutic; Suppression of Uptake of Radioisotopes; Total Body Irradiation; Weapons Effectiveness; Weapons Research; Department of Defense (DOD); M. D. Anderson Hospital (Houston Texas); School of Aviation Medicine (DOD/USAF/SAM); War Department (War).

**NARA-111494-A** 4 documents; 0.02 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Germantown FRC . *Contents Description:* Formal Proposals for the experiments "ORAU-ORNL Study of Carbon-11 in Nuclear Medicine" and "Concentration of Radionuclides of Malignant Neoplasms." Also an organizational chart of the evolution of the AEC is included. *Descriptors:* Agency Histories; Biological Effects; Experimental Methods; Experiments; Grants/Grantees; Human Subjects; Radiation--Ionizing; Records; Research--Therapeutic; Suppression of Uptake of Radioisotopes; Oak Ridge Associated Universities (ORAU); Oak Ridge National Laboratory (DOE/ORNL); Energy Research and Development Administration (ERDA); Atomic Energy Commission (AEC).

**NARA-112294-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Entry #346A, RG #330 . *Contents Description:* Progress reports from Chemical Corps, U.S. Army. Entry #346A, RG #330 at Downtown NARA. . *Descriptors:* Military Activities; Radiological Warfare; Army (DOD/USA); Chemical Corps (DOD/USA/CC)

*Sources and Documentation*

**NARA-112594-A** 1 folder; 0.05 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Entry #2, RG #319 . *Contents Description:* Correspondence from Chief of Staff (Army), Entry #2, RG #319. Documents regarding Desert Rock, Upshot, AFSWP. *Descriptors:* Military Activities; Weapons Research; Armed Forces Special Weapons Project (DOD/AFSWP); Army (DOD/USA).

**NARA-112894-A** 1 folder; ; inventory available. *Source:* National Archives and Records Administration. *Collection:* Downtown NARA: Entry #2 of RG # 319, Entry #346A, RG #330. *Contents Description:* Documents from Army Surgeon General Records From Entry #346A of RG #330 and Army Chief of Staff Records From Entry #2 of RG #319. Also Includes DOD Directive and progress reports. *Descriptors:* Military Activities; Vulnerable Populations; Army (DOD/USA); Walter Reed Army Institute of Research (DOD/USA).

**NARA-120294-A** 1 folder; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Army G-3. *Contents Description:* Documents retrieved from NARA, Army G-3/DCSOPS, RG #319. Mentions Upshot - Knothole and AFSWP. *Descriptors:* Atomic Tests--Troop Participation; Military Activities; Armed Forces Special Weapons Project (DOD/AFSWP); Army (DOD/USA).

**NARA-120694-A** 6 documents; 0.06 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Office of Naval Research: Entry # 346A, RG # 330 at downtown NARA. *Contents Description:* ONR progress reports to the RDB from 1950-1954 on studies on the oral effects of ionizing radiation (RDB Technical Objective AW-6). *Descriptors:* Contracts/Contractors; Experimental Methods; Experiments; Radiation--Ionizing; Navy (DOD/USN); Office of Naval Research (DOD/USN/ONR).

**NARA-120794-A** 1 folder; 0.1 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Downtown NARA: Entry #346A, RG#330. *Contents Description:* Documents from Army Surgeon General and Quartermaster Corps Records From Enty #346 of RG #330. Includes excerpts of progress reports. *Descriptors:* Records; Army (DOD/USA).

**NARA-121594-A** 4 documents; 0.2 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army Chemical Corps, Entry # 346A, RG # 330. *Contents Description:* Excerpts from: 1. 1/1/48 and 4/1/48 "Quarterly Technical Progress Report" 2. 7/1/49 "FY 1950 Research and Development Program" Volume II 3. 6/30/50 "Research and Development Progress Report". *Descriptors:* Contracts/Contractors; Experimental Methods; Experiments; Radiation--Ionizing; Records; Research--Nontherapeutic; Research--Therapeutic; Scientific Method; Army (DOD/USA); Chemical Corps (DOD/USA/CC); Department of Defense (DOD); Research and Development Board (DOD/RDB).

**NARA-122294-A** 1 document; 0.1 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Army Chemical Corps: Entry #346, RG #330. *Contents Description:* Excerpt from Chemical Corps Research & Development Progress Report 12/31/51. *Descriptors:* Records; Army (DOD/USA); Chemical Corps (DOD/USA/CC).

**NARA-122294-B** 6 documents; 0.1 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Asst. Secretary of Defense (Health and Medical). *Contents Description:* Excerpts from annual and biannual reports of the Asst. Secretary of Defense (Health and Medical) from the 1953 - 1962 period. *Descriptors:* Guidelines/Regulations; Department of Defense (DOD).

**NARA-122994-A** 30 documents; 0.1 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* College Park NARA: Executive Secretariat Files, RG #326,. *Contents Description:* 1948 - 1953 Correspondence from the Chairman of the ACBM to the General Manager or Chairman of the AEC reporting the results of ACBM meetings, and the replies thereto. *Descriptors:* Vulnerable Populations; Advisory Committee on Biology and Medicine (AEC/ACBM); National Archives and Records Administration (NARA).

**NARA-122994-B** 8 documents; 0.03 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* College Park NARA: Executive Secretariat Files, #326. *Contents Description:* Minutes and related papers of 3/50 and 3/51 meetings of the Advisory Committee On Isotope Distribution. *Descriptors:* Guidelines/Regulations; Records; Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Human Applications.

**NARA-010495-A** 1 folder; 0.1 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Executive Secretariat Files, RG #326. *Contents Description:* 1947 - 1957 Correspondence and Reports: Mentions Research and Development, Troop Participation, Medical Board of Review, Financial Report. *Descriptors:* Atomic Tests--Troop Participation; Atomic Energy Commission (AEC); National Archives and Records Administration (NARA).

**NARA-010495-B** 4 documents; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Contents Description:* P. L. 85 - 208 Providing hazardous duty pay to USAF thermal stress experiment subjects, and House and Sentate Reports on the same. *Descriptors:* Guidelines/Regulations; Congress.

**NARA-010495-C** 1 document; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Contents Description:* 1942 - 1962 History of the Naval Medical Research Institute. *Descriptors:* Agency Histories; Naval Medical Research Institute (DOD/USN/NMRI); Navy (DOD/USN).

**NARA-010495-D** 8 documents; 0.02 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Contents Description:* P. L. 82-557 Authorizing indemnification of DOD contractors against claims for property damage and personal injuries; House, Senate hearings and committee reports are the same. Senate hearings and committee report from 1948 on S. 1560 authorizing such indemnification (the bill did become the law.) . *Descriptors:* Guidelines/Regulations; Congress; Department of Defense (DOD).

**NARA-010895-A** 21 documents; 0.02 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Executive Secretariat Files, RG #326. *Contents Description:* Reports of ACBM meetings from the Chairman of the ACBM to the Chairman of the AEC, and replies thereto. *Descriptors:* Records; Advisory Committee on Biology and Medicine (AEC/ACBM); Atomic Energy Commission (AEC); National Archives and Records Administration (NARA).

**NARA-012395-A** 1 folder; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army Epidemiological Board/Armed Forces: RG # 334 at NARA. *Contents Description:* 1. 1947-48 correspondence from AEB researchers to AEB/Army re: need for protection against claims brought by research subjects of their heirs, and replies there to. 2. 1952 correspondence re: AFER/Army review of waiver form to be used by a John Hopkins researcher with Maryland prisoners. 3. 1952 correspondence re: applicability of Public Law 557-82 to AFEB researchers. 4. 1953 and 1957 correspondence re: payment by AFEB of third party liability policy premiums. 5. 1948 Senate hearing and report on S. 1560. 6. Public Law 557-82, and 1951 House and Senate Hearings and reports on same. *Descriptors:* Guidelines/Regulations; Informed Consent; Law & Legal Issues; Volunteers; Army (DOD/USA); Congress; Navy (DOD/USN); War Department (War).

**NARA-012395-B** 4 documents; 0.08 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army: RG # 319 at NARA. *Contents Description:* 1. 6 May 1953 memo from Chief of R&D to Vice Chief of Staff RE: Ad Hoc Panel on BW and CW. It reads in part "more effective procedures for testing the effectiveness of anti-personnel BW agents are now possible under the Secretary of Defense's policy on the use of Human Volunteers in Experimental research. Publication of an Army directive in furtherance of this policy is awaiting approval by the Secretary of the Army of a recommended plan for conducting such research." 2. 17 April 1952 report of the Ad Hoc Panel on BW and CW, and comments thereon. *Descriptors:* Biological Effects; Military Activities; Radiation--Ionizing; Research--Nontherapeutic; Weapons Effectiveness; Weapons Research; Army (DOD/USA); Department of Defense (DOD).

**NARA-012395-C** 15 documents; 0.05 cu.ft. *Source:* National Archives and Records Administration. *Collection:* RG # 227 at NARA. *Contents Description:* Excerpts from the 1942-46 summary minutes of the OSRD's CMR dealing with human experimentation or insurance/indemnification. *Descriptors:* Law & Legal Issues; Meetings; Office of Scientific Research and Development (EOP/OSRD); Committee on Medical Research (EOP/OSRD/CMR).

**NARA-012395-D** 11 documents; 0.08 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Executive Secretariat: RG # 326 at NARA. *Contents Description:* 1. 1952-54 documents on Gabriel and Sunshine. 2. Excerpts from 1954-55 Commission minutes on Marshall Islanders. *Descriptors:* Atomic Tests; Fallout; Marshall Islands; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Atomic Energy Commission (AEC).

**NARA-012495-A** 4 documents; 0.09 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army G-3 RG # 319 at NARA. *Contents Description:* 1. DOD minutes of a press conference held by General John E. Hull, Vice Chief of Staff, U.S. Army, 4/23/52. Re: Eniwetok test. 2. Collection of Memo's from 1952 concerning the safe distance of ground troops from ground zero. 3. Memo, from Colonel Bach of R&D Division, G4 to General Ward Harris 8/12/52, re: Army Participation in the AEC Biomedical Program. 4. Index of R&D Activities in Connection with Atomic Energy Commission, 1/1/52 - 6/30/52. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Fallout; Fallout Countermeasures; Guidelines/Regulations; Military Activities; Radiation--Ionizing; Weapons Effectiveness; Weapons Research; Research and Development Board (DOD/RDB); Department of Defense (DOD).

**NARA-012495-B** 10 documents; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Executive Secretariat Files, RG # 326 at NARA. *Contents Description:* Division of Biology and Medicine organizational charts for '52, '54, '56, and '57. Agendas for several meetings of the AEC Laboratory Directors' meeting, Nov. 27-29, 1950 and Dec. 11-12, 1949. Plus various related memorandum and minutes on the above meetings. *Descriptors:* Contract Laboratories; Contracts/Contractors; Meetings; Training; Carroll Wilson; David E. Lilienthal; Atomic Energy Commission (AEC); Clinton Laboratory (War/CE/MED); Division of Biology and Medicine (AEC/DBM).

*Sources and Documentation*

**NARA-012595-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Army. *Contents Description:* Excerpt from "FY 1961 Army Research Task Summary" summarizing all in-house and outside/contractor work in the radio-biology field. *Descriptors:* Biological Effects; Army (DOD/USA); Department of Defense (DOD).

**NARA-013195-A** 1 folder; 0.3 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Army Field Forces RG #337. *Contents Description:* 1951-54 memo's, reports, and correspondence from RG # 337 regarding Desert Rock. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Guidelines/Regulations; Military Activities; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Air Force Special Weapons Center (AFSWC/USAF); Army (DOD/USA).

**NARA-020295-A** 1 document; 0.03 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army Office of the Surgeon General, Entry #90, RG #337. *Contents Description:* Excerpt from 1/48 OSG conference minutes in which Col. Cooney, MC, USA, Discusses atomic energy and military medicine and the radioisotope program in the Army. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Fallout; Guidelines/Regulations; Military Activities; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Training; Weapons Effectiveness; Weapons Research; Office of the Surgeon General (PHS/OSG).

**NARA-020895-A** 4 documents; 0.02 cu.ft. *Source:* National Archives and Records Administration, Records Declassification Division. *Contents Description:* Selected declassified transcripts of "Minutes of Advisory Committee for Biology and Medicine." Meetings: 18, 10/20/49; 20, 1/25/50; 37, 5/8-9/53; and 40, 10/9-10/53. *Descriptors:* Meetings; Shields Warren; Stafford Warren; Advisory Committee on Biology and Medicine (AEC/ACBM).

**NARA-021095-A** 5 documents; 0.03 cu.ft. *Source:* National Archives and Records Administration. *Collection:* R G 128 Joint Committee on Atomic Energy. *Contents Description:* RG 128, Executive Session Transcripts of the Joint Committee on Atomic Energy, JCAE Document # 980, pp. 251-270, 12/17/47; # 986, 5/2/48; # 987, 3/5/48; # 991, 5/6/48. Presentation to JCAE by AEC officials on Labor problems at Oak Ridge. *Descriptors:* Guidelines/Regulations; Oak Ridge National Laboratory (DOE/ORNL).

**NARA-021795-A** 2 documents; 0.02 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Entry #199, RG #330, OSD. *Contents Description:* 4/24/53 Navy letter and 5/1/53 Army letter to the Secretary of Defense describing joint service/ AEC and joint service/AEC Contractor projects. There are no projects listed involving biomedical research. *Descriptors:* Radiological Warfare; Atomic Energy Commission (AEC).

**NARA-021795-B** 1 document; 0.01 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* RG 128, Legislative. *Contents Description:* Joint Committee On Atomic Energy - Executive Session - 6/17/54. Japanese Fisherman Incident. (Testimony of John Allison, U. S. Ambassador to Japan, regarding exposure of the Japanese fishing boat "The Lucky Dragon" to fallout from test at the Pacific Proving Ground.) *Descriptors:* Fallout; Atomic Energy Commission (AEC).

**NARA-021795-C** 1 document; 0.02 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* RG 128, General Subject Files. *Contents Description:* 6/24/48 memorandum Edward L. Heller summarizing conference with Heller, Brodeck and Dr. Bowers, Deputy Chief, Biology and Medicine, AEC. (Outlines the medical program, discussing Los Alamos, Oak Ridge, Hanford, Chicago, University of California, uranium , plutonium, radioactive cobalt, University of Denver, Ohio State, radium, radon.) *Descriptors:* Biological Effects; Hanford Site (Richland Washington); Los Alamos National Laboratory (DOE/LANL); Oak Ridge Associated Universities (ORAU).

**NARA-021795-D** 1 document; 0.01 cu.ft. *Source:* Rodney Ross (National Archives and Records Administration). *Collection:* RG 128 Joint Committee on Atomic Energy, General Subject Files - Box 51 - Doc#3086. *Contents Description:* Memorandum Feburary 9, 1953. Edward L. Heller for the file summary of conversation on Feb. 5. 1953 with John Bugher, Head of Biology and Medicine Division at AEC, concering fiscal year 1954 budget. (Discusses cancer research uranium miners and hazards to lungs, Atomic Bomb Casualty Commission, Tolerance levels, University of Rocherster, Los Alamos, Biophysics, Fellowship program.) *Descriptors:* Uranium Mining/Miners/Milling; Atomic Bomb Casualty Commission (ABCC); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); University of California - Los Angeles (UCLA); University of Rochester.

**NARA-022495-A** 8 documents; 0.1 cu.ft.; inventory available. *Source:* National Archives and Records Administration, Harry S. Truman Library. *Collection:* Harry S. Truman Library. *Contents Description:* Collection of memo's from the Harry S. Truman Library. (see accession contents for more) *Descriptors:* No descriptors.

**NARA-022795-A** 11 documents; 0.03 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* Joint Intelligence Objectives Agency/USAF Air Surgeon General. *Contents Description:* Joint Intelligence Objectives Agency File On Fritz Haber, a german aeronautical engineer who came over to work at the

USAF's School of Aviation Medicine Uner "Paperclip". Document from the Air Surgeon General's 1951 "paperclip" file. *Descriptors:* Department of Defense (DOD); National Archives and Records Administration (NARA).

**NARA-022795-B** 10 documents; 0.03 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Joint Intelligence Objectives Agency, RG # 330, downtown NARA. *Contents Description:* Joint Intelligence Objectives Agency File on Dr. Hubertus Strughold, a German physician who came to the USAF's School of the Aviation Medicine under project "PAPERCLIP." The interrogation of Strughold in this file is still classified. *Descriptors:* Records; School of Aviation Medicine (DOD/USAF/SAM); War Department (War).

**NARA-030195-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* RG #341. *Contents Description:* 1951 correspondence on possibility of the Air Surgeon General assuming responsibility for NEPA medical research from the Air Material Command. Attachments are also enclosed. *Descriptors:* Radiological Warfare; National Archives and Records Administration (NARA).

**NARA-030195-A** 2 documents; 0.15 cu.ft. *Source:* National Archives and Records Administration. *Collection:* JCAE records (RG # 128 at NARA). *Contents Description:* (1) Folder listing for the 81 boxes of classified Joint Committee on Atomic Energy Subject Files in RG # 128. (2) Inventory of all JCAE executive session transcripts in RG # 128. *Descriptors:* Records; Joint Committee on Atomic Energy (Congress).

**NARA-030995-A** 6 documents; 0.02 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* USAF, Air Surgeon General, Entry #44, RG #341 at NARA. *Contents Description:* 1949 correspondence of School of Aviation Medicine and Arctic Aeromedical Laboratory on scientists wanted under Paperclip. (1) Memo re: Procurement of German Scientists, To: Chief of Staff, From: Harry G. Armstrong, dated 2/27/49. (2) Reaffirmation of Request For German Specialists for the USAF School of Aviation Medicine, dated 6/24/49. (3) Memo re: Request For Authorization for Professor Strughold to Contact Specialists In Germany, To: Collections Branch, Air Intelligence Requirements Div., From: Harry G. Armstrong, dated 6/24/49. (4) Memo re: Request for German Specialists for the USAF School of Aviation Medicine, dated 6/24/49. (5) Letter re: Employment German National Scientists, To: Department of the Air Force, From: Jack Bollerud, dated 9/23/49. (6) Memo re: Strunghold Debriefing, To: Brigadier General Otis O. Benson, From: William Sheeley, dated 11/29/49. *Descriptors:* Records; National Archives and Records Administration (NARA).

**NARA-030995-B** 14 documents; 0.12 cu.ft.; inventory available. *Source:* National Archives and Records Administration. *Collection:* USAF, Air Surgeon General, Entries #43 & #44, RG #341. *Contents Description:* Key documents include: (1) 2/15/51 letter from NEPA Tecnical Director at Fairchild to Dr. Shields Warren. (2) History of NEPA's Efforts to Get Approval For its 4/49 proposal to conduct HRE's. (3) 1949 NEPA Review of TBI Performed On man and animals. (4) 1/5/50 NEPA proposed medical research, including HRE's. *Descriptors:* Human Subjects; Department of Defense (DOD); National Archives and Records Administration (NARA).

**NARA-031395-A** 1 folder; 0.08 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Downtown NARA. *Contents Description:* Declassified Documents regarding Project "Paperclip" retrieved from the Washington NARA, by staff members Jonathan Moreno and Patrick Fitzgerald. *Descriptors:* National Archives and Records Administration (NARA).

**NARA-032395-A** 13 documents; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Collection:* USAF Air Surgeon General, Entry # 44, RG # 341 at NARA. *Contents Description:* (1) Excerpt from 10/47 Brookhaven conference on legal aspects of using radioactive materials. (2) 8/52 NRDL report on "Radiological Factors Affecting the Operation of Aircraft in Atomic Warfare." (3) 7/49 "The Medical Division of the Army Chemical Corps and its Research Activities." (4) Brief historical reports for the first two quarters of 1954 of the Senior Special Weapons Defense Officer, Air Surgeon General Office. (5) Various memos, etc. from 1951 on Flashblindness experiments. (6) 1949 correspondence on Paperclip Scientists the Arctic Aeromedical Laboratory wants. (7) Late 1949 correspondence on unspecified proposed legislation to authorize some sort of compensation to volunteers in DOD Research and development projects who die or suffer injury. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Flash Blindness; Weapons Effectiveness; Weapons Research; Air Force Special Weapons Center (AFSWC/USAF); Armed Forces Special Weapons Project (DOD/AFSWP); Army (DOD/USA); Brookhaven National Laboratory (DOE/BNL).

**NARA-032395-B** 9 documents; 0.05 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army Field Forces Entry # 55, RG # 337 at NARA. *Contents Description:* (1) Agenda and selected attachments for 3/1/53 Military Liaison Committee meeting. (2) Agenda for 11/3/53 MLC meeting. (3) 6/30/52 guidance report for Army's Operations Research Office at John Hopkins which among other projects, lists Project COBRA involving study of RW effects on Creps, livestock, and humans. (4) 1953 chief, AFF/G-3 correspondence on "Analysis of Atomic Weapons Effects Programs." (5) 1953 correspondence from various commands to chief, AFF, in "Analysis of Atomic Weapons Effects Programs." Also, included are memo's proposing the establishment of a Permanent Air Force Unit for Cloud Sampling, form 3/16/53. Desert Rock V and Upshot-Knothole are discussed in a 2/25/53 directive concerning conduct

during Joint AEC-Military operations. *Descriptors:* Cloud Sampling; Radiological Warfare; Military Activities; Weapons Effectiveness; Weapons Research; Armed Forces Special Weapons Project (DOD/AFSWP); Army (DOD/USA).

**NARA-032495-A** 6 documents; 0.08 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army field forces Entry # 55, RG # 337 at NARA. *Contents Description:* Two memo's to the Office of Army Field forces from Dec. of 1952 and Jan. or 1953, concerning the participation of Human Resources Research (HUMRRO) in Desert Rock V. Also, a memo on a 1/53 meeting on Project Cobra which was a study by the operations Research office at Johns Hopkins on BW, CW, and RW. Along with several other assorted memo's on Army projects employing missiles and BW, CW, and RW. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Military Activities; Psychological Effects; Radiation--Ionizing; Radiological Warfare; Weapons Effectiveness; Weapons Research; Armed Forces Special Weapons Project (DOD/AFSWP); Army (DOD/USA).

**NARA-032495-B** 1 folder; 0.2 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Armed Forces Epidemiological Board Entry # 13A, RG # 334 at NARA. *Contents Description:* From the 1956-1963 period there are (1) excerpts of the summary minutes of both the executive and open sessions of Armed Forced Epidemiological Board, meetings. (2) excerpts from the annual reports and Directors reports of a few commissions. (3) selected research proposals. (4) Selected research progress reports, and (5) Selected correspondence. Many of these documents pertain to the AFEB debate over the use of human volunteers. *Descriptors:* Biological Effects; Meetings; Voluntariness; Volunteers.

**NARA-032795-A** 1 document; 0.09 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army Air Forces (in air force surgeon general records) Entry # 44, RG # 341 at NARA. *Contents Description:* 02/28/46 Aero Medical laboratory "Summary of German Aviation Medical Research," it briefly describes some experiments involving humans, including ones preformed at concentration camps. This document is related to research by the Committee on project Paperclip, some Hubertus Stronghold's work is discussed. *Descriptors:* Department of Defense (DOD).

**NARA-033195-A** 1 folder; 0.2 cu.ft. *Source:* National Archives and Records Administration. *Contents Description:* Records Group 374 Entry 18 boxes 1-4. Quality selective collection of memoranda and reports on RW, gleaned from the halls of the National Archive, by staff members. *Descriptors:* Radiation--Ionizing; Radiological Warfare; Department of Defense (DOD); Dugway Proving Ground (DOD/DPG).

**NARA-041895-A** 1 document; 0.01 cu.ft. *Source:* National Archives and Records Administration. *Collection:* College Park Nara, RG 326 Box 017 Records of the Chairman Office Files of David E, Lillienthal Subject Files, 1946-50 Files-Misc., Safety-Industrial Health Advisory Board. *Contents Description:* Press-Release: USAEC, release for Sunday Sept. 7, 1948. "Atomic Energy Commission Names Safety and Industrial Health Advisory Board.". *Descriptors:* Occupational Guidelines; Occupational Health; Atomic Energy Commission (AEC).

**NARA-041895-B** 25 documents; 0.075 cu.ft. *Source:* National Archives and Records Administration. *Collection:* College Park, Archives II. *Contents Description:* Declassified excerpts of meeting minutes of the Atomic Energy Commission, by ACHRE staff. (Please see accession contents for a listing of the meeting excerpts.) *Descriptors:* Meetings; Atomic Energy Commission (AEC).

**NARA-041895-C** 1 folder; 0.3 cu.ft. *Source:* Majorne Ciarlante (National Archives and Records Administration). *Collection:* College Park NARA Archives II. *Contents Description:* Documents retrieved by ACHRE staff from the Argonne collection at college park RG 326. Biological Research Section Metallurgical Laboratory for 1945 along with various other progress reports from sections of the Met Lab, also memo's and correspondence of the Met lab and toxcitity lab from the mid to late 40's. *Descriptors:* Federal Laboratories; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Scientific Method; Toxicity; Training; University Research; Weapons Research; Robert Stone; Argonne National Laboratory (DOE/ANL); Manhattan Engineer District (War/CE/MED); University of Chicago: Metallurgical Laboratory.

**NARA-042295-A** 6 documents; 0.08 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Air Surgeon General, RG 341 at Downtown NARA. *Contents Description:* Cover page and table of contents for the 7/49, 10/49, 1/50, and 4/50 quarterly reports of the University of Chicago's Toxicity Laboratory. Also, 4/51 R+D plan for the USAF Radiation Laboratory (the Toxicity Laboratory's successor) at the University. *Descriptors:* Records; University of Chicago; University of Chicago: Billings Hospital.

**NARA-042295-B** 7 documents; 0.05 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army RG 319 at downtown NARA. *Contents Description:* Army representative's summaries of some 1948 Military Liaison committee meetings. *Descriptors:* Meetings; Military Activities; Weapons Effectiveness; Weapons Research; Military Liaison Committee to AEC (DOD/OSD/MLC); War Department (War).

**NARA-042295-C** 11 documents; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army Field Forces/R+D Division, Army, RG 337 and 319 at downtown NARA. *Contents Description:* Various 1951

records on Desert Rock and psychological evaluation of Troop Behavior in connection with project Buster. Also, summary minutes of a 7/51 AFF conference at which Brig. Gen. Cooney and others proposed drastically increasing tolerance levels for military personnel (e.g.) up to 100rad for a single exposure). *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Psychological Effects; Army (DOD/USA); Research and Development Board (DOD/RDB).

**NARA-050495-A** 9 folders; 1.5 cu.ft. *Source:* National Archives and Records Administration. *Collection:* National Archives Microfilm M887 -- Reel 2. *Contents Description:* Excerpts from United States v. Karl Brandt, et al. [Case 1; Trials of War Criminals Before the Nuremberg Military Tribunals Under Control Council Law 10 Oct. 1946 - Aug. 1947] National Archives Microfilm M 887-- Reel 2. The excerpts are comprised of the following list of testimony of: Leo Alexnader, Werner Leibrand, Gerhard Rose, Andrew Ivy,Hermann Becker-Freyseng. Also, included are selected exhibits of documents submitted by the following: by the Prosecution, defendant Karl Brandt, and defendant Hermann Becker-Freyseng. *Descriptors:* Ethics; Experiments; Human Subjects; Law & Legal Issues; Nuremberg Codes/Trials.

**NARA-050595-A** 29 documents; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Argonne Collection NARA RG 326 various boxes. *Contents Description:* Selective collection of reports, memoranda, and correspondence from Argonne National Lab's, circa 1946-52. The following is a brief subjective list of the contents of this *Collection:* isotope distribution from 1946, reports on the 1950 Polonium Toxicity Conference, some monthly reports of the Biological Research Section Met Lab, correspondence concerning Margaret Nickson, and other reports and meeting minutes of Argonne conferences among other things. *Descriptors:* Beryllium; Biological Effects; Contracts/Contractors; Experimental Methods; Experiments; Meetings; Radiation--Ionizing; Radiation Injury; Scientific Data; Scientific Method; Toxicity; University Research; Austin Brues; J. J. Nickson; Louis H. Hempelmann; Stafford Warren; Argonne National Laboratory (DOE/ANL); University of Chicago.

**NARA-050995-A** 1 folder; 0.15 cu.ft. *Source:* National Archives and Records Administration. *Collection:* rg 326 Met Lab read files. *Contents Description:* Documents retrieved by staff member at the National Archives Argonne collection rg 326 various boxes. Included are tabs by researcher that describe and mark important documents. This loose misc. documents that pertains primarily to the Metallurgical Lab in Chicago from the mid to late 40's. *Descriptors:* Biological Effects; Experiments; Federal Laboratories; Guidelines/Regulations; Human Subjects; Medical Diagnosis; Medical Therapies; Occupational Guidelines; Occupational Health; Radiological Warfare; Toxicity; Austin Brues; Robert Stone; Argonne National Laboratory (DOE/ANL); University of Chicago: Metallurgical Laboratory.

**NARA-051095-A** 4 documents; 0.01 cu.ft. *Source:* National Archives and Records Administration, Textual Reference Branch. *Contents Description:* Finding aids and bibliographies from the National Archives College Park MD., regarding holding on the Armed Forces Epidemiological Board (AFEB). *Descriptors:* Records; National Archives and Records Administration (NARA).

**NARA-051695-A** 5 documents; 0.05 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Army Chief of Staff, Entry #4, RG #319 at NARA. *Contents Description:* Five documents from 1952 showing the desire to test RW and CW agents on humans was the driving force behind the AFMPC proposal which ultimately became the Wilson memo. The memo for record on the 2/52 meeting was also located and accessioned last year. *Descriptors:* Military Activities; Volunteers; Weapons Effectiveness; Weapons Research; Department of Defense (DOD); Office of the Secretary of Defense (DOD/OSD).

**NARA-052295-A** 1 folder; 0.3 cu.ft. *Source:* National Archives and Records Administration. *Collection:* RG 326, DOE records holding area. *Contents Description:* Selective documents retrieved by ACHRE staff from the NARA RG 326. The reports and memoranda generally date from the early world war two era to the early 50's. They pertain in general to workers accidents, health hazards discussions, radiation tolerance level, and much more. *Descriptors:* Biological Effects; Consent; Experiments; Harm; Medical Diagnosis; Medical Therapies; Occupational Guidelines; Occupational Health; Protection Shielding; Radiation--Ionizing; Radiation Injury; Reactors; Scientific Data; Scientific Method; Robert Stone; Shields Warren; Argonne National Laboratory (DOE/ANL); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Manhattan Engineer District (War/CE/MED); University of Chicago: Metallurgical Laboratory.

**NARA-052295-B** 5 documents; 0.01 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Armed Forces Epidemiological Board RG # 112 at Washington National Records Center . *Contents Description:* Selected documents from 1963-68 of the AFEB's Commission on Radiation and Infection. There is no evidence of any sponsorship of HRE's. This Commission was in existence from early 1963 to 1969, when its responsibilities were transferred to the Commission on Epidemiological Survey. *Descriptors:* Contracts/Contractors; Experiments; Meetings; Scientific Data; Scientific Method; Department of Defense (DOD).

**NARA-052295-C** 8 documents; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Collection:* RG # 52 at Suitland NARA. *Contents Description:* Selected Documents from 1952-58 briefly listing or describing BUMED's

R+D program while giving budget estimates. *Descriptors:* Contracts/Contractors; Experiments; Bureau of Medicine and Surgery (DOD/USN/BUMED).

**NARA-052495-A** 1 document; 0.1 cu.ft. *Source:* National Archives and Records Administration. *Contents Description:* Manhattan District History" Book I - General, Vol. 7 - Medical Program. 12/31/46. *Descriptors:* Agency Histories; Manhattan Engineer District (War/CE/MED).

**NARA-061395-A** 1 folder; 0.25 cu.ft. *Source:* Marjorie Ciarlante (National Archives and Records Administration). *Collection:* Department of Energy Argonne Collection. *Contents Description:* Records reviewed by ACHRE staff from the Argonne collection. Most concern biomedical and health physics work undertaken at the University of Chicago Metallurgical Laboratory and the Argonne National Laboratory during its early years. Subjects include classification of research, radiation hazards and tolerances at Chicago and elsewhere during the Manhattan Project, the plutonium injections, total body irradiation, medical followup of workers, program of the Argonne Cancer Research Hospital. *Descriptors:* 49; Animal Experimentation; Atomic Tests; Biological Effects; CHI 1 2 or 3; Classified Research; Contract Laboratories; Experimental Methods; Experiments; Federal Laboratories; Human Subjects; Medical Records; Medical Therapies; Occupational Health; Plutonium Injections; Product; Radiation--Ionizing; Radiation Injury; Research--Nontherapeutic; Research--Therapeutic; Secrecy; Teletherapy; Total Body Irradiation; Toxicity; Tube Alloy; Austin Brues; Joseph Hamilton; J. J. Nickson; Robert Stone; Stafford Warren; Argonne National Laboratory (DOE/ANL); Argonne National Laboratory (DOE/ANL): Cancer Hospital; Clinton Laboratory (War/CE/MED); Lawrence Berkeley Laboratory (AEC/LBL); University of Chicago: Billings Hospital; University of Cincinnati.

**NARA-061395-B** 2 folders; 0.6 cu.ft. *Source:* National Archives and Records Administration. *Contents Description:* Large collection of fallout documents declassified from RG 326, Division of Biology and Medicine, general files, fallout. Eclectic collection with documents relating to the following, Operation Sunshine, Cloud Sampling, Strontium-90 levels in milk, Bone collection, memo regarding use of a whole body counter in Alaska, Biophysics Conference, transcripts of ACBM meeting #14, 53-54; plus much more. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Experiments; Fallout; Fallout Countermeasures; Scientific Data; Scientific Equipment; Weapons Effectiveness; Weapons Research; Shields Warren; Advisory Committee on Biology and Medicine (AEC/ACBM); Air Force Special Weapons Center (AFSWC/USAF); Atomic Energy Commission (AEC).

**NARA-062995-A** 1 folder; 0.03 cu.ft. *Source:* Marjorie Ciarlante (National Archives and Records Administration). *Collection:* Records Group 126: Records of the Trust Territories. *Contents Description:* Records dating from 1959 to 1969 from the Trust Territories National Defense files concerning the Atomic Energy Commission medical followup of the Marshallese. . *Descriptors:* Atomic Tests; Biological Effects; Children; Fallout; Federal Laboratories; Marshall Islands; Charles L. Dunham; Robert Conard; Brookhaven National Laboratory (DOE/BNL).

**NARA-070395-A** 1 folder; 0.04 cu.ft. *Source:* Marjorie Ciarlante (National Archives and Records Administration). *Collection:* Records Group 326, AEC Executive Secretariat. *Contents Description:* Excerpts from Minutes of the Meetings of the Atomic Energy Commission, from January 1948-November 1951. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Biological Effects; Contract Laboratories; Radiological Warfare; Uranium Mining/Miners/Milling; Carroll Wilson; Charles L. Dunham; Shields Warren; Advisory Committee on Biology and Medicine (AEC/ACBM); Atomic Bomb Casualty Commission (ABCC); Atomic Energy Commission (AEC); Division of Biology and Medicine (AEC/DBM); Oak Ridge National Laboratory (DOE/ORNL).

**NARA-070595-A** 1 folder; 0.25 cu.ft. *Source:* National Archives and Records Administration. *Collection:* Records Group 46, Joint Committee on Atomic Energy. *Contents Description:* Records retrieved by ACHRE staff from the classified Joint Committee on Atomic Energy collection. Subjects include fallout, Project Gabriel, Marshallese, atomic veterans, intentional releases, RaLa, Project Plowshare, secrecy and public relations. *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Bikini Atoll; Biological Effects; Classified Research; Fallout; Federal Laboratories; Intentional Releases; Marshall Islands; Nevada Test Site (Mercury Nevada); Nuclear Rockets; Occupational Health; Pregnant Women; Public Access; Radiation--Ionizing; Radiation Injury; Radiological Warfare; Reactors; Releases of Radioactivity; Secrecy; Space Flight; Toxicity; Volunteers; Weapons Research; Carroll Wilson; Charles L. Dunham; David E. Lilienthal; Glenn T. Seaborg; James Cooney; Joseph Hamilton; Shields Warren; Wright Langham; Atomic Energy Commission (AEC); Department of Defense (DOD); Division of Biology and Medicine (AEC/DBM); Joint Committee on Atomic Energy (Congress); Los Alamos National Laboratory (DOE/LANL); Military Liaison Committee to AEC (DOD/OSD/MLC).

**NAS-070194-A** 1 folder; 0.2 cu.ft. *Source:* National Academy of Sciences, Polar Research Board. *Contents Description:* Announcement regarding the formation of a committee to evaluate the 1950's Air Force human medical experiments in Alaska which used the radioisotope Iodine-131. Also included are numerous memoranda from the Public Health

Service regarding the 1964 Caribou sampling project and whole body counting of native Eskimos. Finally an interview transcript with Wayne Hanson by Daniel O'Neill in Bellingham, Washington on May 4, 1988. *Descriptors:* Animal Experimentation; Biological Effects; Experiments; Fallout; Fallout Countermeasures; Meetings; Public Health Service (PHS).

**NAS-082294-A** 2 documents; 0.05 cu.ft. *Source:* National Academy of Sciences, Office of the Archivist. *Collection:* National Research Council, Division of Medical Sciences, Committee on Radiology. *Contents Description:* 1. Letter, Daniel Barbiero, NAS to Gil Whittemore ACHRE, re: Atabrine Study, 2. NRC, Division of Medical Sciences, Comm. on Radiology, Minutes of Third Meeting, November 7 1949. (Excerpts). *Descriptors:* Agency Histories; Experiments; Human Subjects.

**NAS-093094-A** 3 documents; 0.02 cu.ft. *Source:* National Academy of Sciences, Office of the Archivist. *Collection:* National Academy of Sciences. *Contents Description:* 1. Letter to Dr. Lawrence Tuttle from Charles L. Dunham, thanking him for an edition of the "Meeting of the Interagency Liaison Group for Human Radiobiology Studies." May 22, 1969. 2. Letter from Tuttle to Dunham fulfilling request for above paper, dated May 8, 1969. 3. Paper: "Meeting of the Interagency Liaison Group for Human Radiobiology Studies, Feb. 24, 1969.". *Descriptors:* Agency Histories; Biological Effects; Guidelines/Regulations; Interagency Bodies; Meetings; Radiation--Ionizing; Radiological Warfare; Releases of Radioactivity; Uranium Mining/Miners/Milling; C. C. Lushbaugh; Charles L. Dunham; Oak Ridge Associated Universities (ORAU); National Cancer Institute (PHS/NIH/NCI).

**NAS-012795-A** 1 folder; 0.2 cu.ft. *Source:* National Academy of Sciences. *Contents Description:* General Correspondence 1945 - 1956, ACS Termination of COG Contract, Committee On Growth Projects Considered, COG Analyses of COG Program. *Descriptors:* National Academy of Sciences (NAS).

**NAS-020795-A** 2 folders; 0.4 cu.ft. *Source:* National Academy of Sciences. *Contents Description:* 1. Documents relating to the committee on Growth 1944-56, history, including primary and secondary documents. 2. More documents pertaining to the Committee on Growth, included is a listing of experiments and investigators from the late 40's to early 50's. 3. Memorandum to the executive committee on Growth , concerning reorganization of panels and sections, along with assorted other memorandum. *Descriptors:* Meetings; Records; National Academy of Sciences (NAS).

**NAS-020995-A** 3 documents; 0.2 cu.ft. *Source:* National Academy of Sciences, Office of the Archivist. *Contents Description:* A collection of bibliographic material of holdings at the NAS. The bibliography describe the Drawer List on the Committee on Growth, the correspondence index for the Committees on Military Medicine 1940-45, Committee on Military Medicine 1940-45 minutes Bulletins) and reports, List of folders and Index to drawers, and NAS Archives Division of Medical Sciences 1946-73. *Descriptors:* Records; National Academy of Sciences (NAS).

**NAS-021495-A** 2 folders; 0.3 cu.ft. *Source:* National Academy of Sciences, Office of the Archivist. *Contents Description:* Correspondence, journal articles, and various charts predominately from the Committee on Growth. Also documents relating to the following subjects are included: Section on Epidemiology COG (Committee on Growth) '54-'55, COG - Section on Physics, Panel on Radiology 1945-46, Division of Physical Sciences - COG, COG - Veterans Medical Problems Oct. 1946, Minutes of the Section on Physics, Section on Clinical investigations 1945-52, Committee on Atomic Casualties 1946-47, COG - Scientific Meetings, COG - Sections and Panels 1945-47, Environmental Cancer, and ACS Scholar Grant Program. Plus University of Pennsylvania docs. *Descriptors:* Biological Effects; Experiments; Guidelines/Regulations; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Records; National Academy of Sciences (NAS); National Research Council (NAS/NRC); University of California - Berkeley (UCB).

**NAS-072195-A** 1 folder; 0.1 cu.ft. *Source:* National Academy of Sciences. *Contents Description:* Collection of memo's and forms regarding isotope licenses for Iodine 131 at the Arctic Aeromedical Laboratory USAF, Seattle Washington; from the Atomic Energy Commission's Byproduct Licensing Branch Isotopes Extension Division of Civilian Application. *Descriptors:* Research--Nontherapeutic; Scientific Equipment; Army (DOD/USA); Atomic Energy Commission (AEC).

**NASA-052594-A** 1 document; 0.01 cu.ft. *Source:* National Aeronautics and Space Administration, Life and Microgravity, Sciences and Applications. *Contents Description:* Correspondence from Holloway to Faden detailing NASA's establishment of an Independent Oversight Committee to review the conduct, policies and findings of the human radiation experiment search. Attached are two short briefs: 1. X-Ray Irradiation on Human Spermatogenesis; 2. Summary Findings to Date: (4/15). *Descriptors:* No descriptors.

**NASA-060794-A** 1 folder; 0.3 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* In response to request, documents relevant to NASA's and life sciences history. *Descriptors:* Records; Researchers; Agency Histories; National Advisory Committee on Aeronautics (NACA).

*Sources and Documentation*

**NASA-060994-A** 1 document; 0.1 cu.ft. *Source:* Harry Holloway (National Aeronautics and Space Administration). *Contents Description:* NASA Human Radiation Research, Status Report, June 10, 1994. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records.

**NASA-061094-A** 1 folder; 0.4 cu.ft. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Miscellaneous materials related to NASA involvement in radiation studies, human experimentation, space medicine, and records management. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records.

**NASA-062194-A** 4 folders; 1.8 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Materials re: NASA's archives and records search on NASA-Air Force relationships, on database descriptions, on geneological history of NASA programs and organziation charts, on ethics, and specific documents requested (viz. reports on NASA programs and proceedings of meetings containing information about radiation exposure). *Descriptors:* Radiation--Ionizing; Records; Air Force (DOD/USAF).

**NASA-062494-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Comments on ACHRE staff report on NASA and supporting materials. *Descriptors:* Records.

**NASA-080194-A** 13 documents; 0.5 cu.ft. *Source:* National Aeronautics and Space Administration, OLMSA. *Contents Description:* Documents & Briefing Materials Provided by NASA to its Bioethics Task Force Meeting. *Descriptors:* Agency Histories; Guidelines/Regulations; Human Subjects; Informed Consent; National Aeronautics and Space Administration (NASA).

**NASA-080494-A** 1 folder; 0.05 cu.ft. *Source:* National Aeronautics and Space Administration. *Contents Description:* Human Radiation Experimentation Search Processes & Findings Briefing Book, Radiological Health Risks To Astronauts From Space Activities & Medical Procedures, Longitudinal Study of Astronaut Health: Mortality in the Years 1959-1991, Annual Report On Work Completed On Total Body Calcium Analysis, Final Technical Report Total Body Calcium Analysis Using 40 Ca (n,a)37 Reaction,. *Descriptors:* Agency Histories; Total Body Irradiation; National Aeronautics and Space Administration (NASA).

**NASA-083094-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* 1. A Dr. Robbins memo dated 8/25 that requests reports of Center search activity. 2. A NASA Radiation Review Status- 8/23. 3. Answers to the NASA Radiation Oversight Committee Questions of 6/6. *Descriptors:* Agency Histories; Experiments; Records; National Aeronautics and Space Administration (NASA).

**NASA-090994-A** 1 folder; 0.06 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* Update of Radiation Review Correspondence, Master List, Inventory - Rice Records, Answer to Questions, Material From NASA's Radiation Safety Officer. *Descriptors:* Records; National Aeronautics and Space Administration (NASA).

**NASA-090994-B** 1 document; 0.01 cu.ft. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* Further responses to Don Weightman; letter 8/15/94, re: records and other matters pertains to proposed review project. *Descriptors:* Experiments; Agency Histories; Records; National Aeronautics and Space Administration (NASA).

**NASA-091394-A** 1 folder; 0.01 cu.ft. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Collection:* Personal File Dr. Nachtway. *Contents Description:* Miscellaneous records & correspondence regarding NASA participation in Oak Ridge Total Body Irradiation Studies, Including Correspondece on Preparation for 9/81 Congressional Hearings (Gore) on the subject. *Descriptors:* No descriptors.

**NASA-091394-B** 1 folder; 0.02 cu.ft. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* Lists of ground based and flight research funded by Life Sciences in FY 1993 that used human subjects, in most cases abstracts are included. *Descriptors:* Agency Histories; Experiments; Records; National Aeronautics and Space Administration (NASA).

**NASA-091694-A** 11 documents; 0.15 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* 1. Handbook for Shuttle/Spacelab Human Research Investigations, Human Research Policy & Procedures Committee, 9/84. 2. Letter: Regarding Call to DOE Helpline Indicating Exposure to Ionizing Radiation At Brooks Air Force Base, From Donald E. Robbins, 4/21/94. 3. SF 135's, 9 Documents. *Descriptors:* Radiation--Ionizing; National Aeronautics and Space Administration (NASA).

**NASA-092394-A** 7 documents; 0.4 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Collection:* Johnson Space Center. *Contents Description:* Documentation on monkey radiation experimentation and NASA findings on Human Radiation research. *Descriptors:* Agency Histories; Biological Effects; Experiments; Human Subjects; Nuclear Rockets; Radiation--Ionizing; Scientific Data; Scientific Method; Scientific Standards; Space Flight; Total Body Irradiation; National Aeronautics and Space Administration (NASA); Ames Research Center (NASA); Johnson Space Center (NASA).

**NASA-092894-A** 11 documents; 0.1 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* Response to 9/8/94 ACHRE letter. Letter from NASA Ames Research Center on earlier ethics policies & human experimentation at Ames. *Descriptors:* Agency Histories; Consent; Experiments; Guidelines/Regulations; National Aeronautics and Space Administration (NASA).

**NASA-092894-B** 35 documents; 0.5 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Documents requested on the 1963 NASA Bedrest Study and Space Radiation Program, Rover and Nerva Project. *Descriptors:* Biological Effects; Consent; Consent Forms; Experimental Methods; Experiments; Human Subjects; Occupational Guidelines; Radiation--Ionizing; Scientific Data; Scientific Method; Space Flight; Training; National Aeronautics and Space Administration (NASA).

**NASA-092894-C** 1 document; 0.01 cu.ft. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* List of top funded intramural and extramural institutions for biomedical research for FY93 and FY89-92. *Descriptors:* Agency Histories; Records; University Research; National Aeronautics and Space Administration (NASA).

**NASA-110194-A** 2 documents; 0.15 cu.ft. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* Isotope Licenses from AEC and NRC for use of radiostopes of NASA; Johnson Space Center (Formerly the Monred Spacecraft Center). One for use w/human subject, covers the years 1966-94. The other, for other research, covers 1963-94. *Descriptors:* Agency Histories; Contracts/Contractors; Radiation--Ionizing; Records; National Aeronautics and Space Administration (NASA).

**NASA-110494-A** 4 documents; 0.05 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* These documents are partially representative of the ACHRE 10/21/94 request. 1. Letter: From L.F. Dietlein, M.D. to Dr. Stoklosa, re: request by ACHRE for NASA institution wide human research policy information. 2. Dr. Dietlein, Presentation on NASA Human Research Policy to the NASA Bioethics Task Force, August 1, 1994, 12 pgs. 3. Report: "Human Research Policy and Procedures Committee Handbook for Shuttle/Spacelab Human Research Investigations, Johnson Space Center, September, 1984, 32 pgs. 4. Collection of documents sent to NASA Headquarters by the Chief of Ames Research Center, in response to ACHRE request of 10/21/94, these documents represent the complete response of the Ames. *Descriptors:* Agency Histories; Experiments; Guidelines/Regulations; Human Subjects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Ames Research Center (NASA); National Aeronautics and Space Administration (NASA).

**NASA-120894-A** 8 documents; 0.03 cu.ft. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* Documents on NASA ethics and radiation protection policies, mid 1960's. Discusses consent at Ames Laboratory claiming a need for written forms. In a management instruction directive the procedure for astronaut exposure to ionizing radiation is described. In general procedures for occupational hazards and accidents is described. *Descriptors:* Consent; Consent--Written; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Research--Therapeutic; National Aeronautics and Space Administration (NASA).

**NASA-012595-A** 1 document; 0.01 cu.ft. *Source:* Earl Ferguson (National Aeronautics and Space Administration). *Contents Description:* Summary of Activities of the Life Sciences Committee, 05/12/65, 15 pp. *Descriptors:* No descriptors.

**NASA-012795-A** 2 folders; 0.3 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Documents retrieved from the NASA institutional wide search for documents pertaining to human radiation experiments. Includes the following and more: Aerospace Medicine Planning Panel 1967-69, Radiation Biology Panel 1970, Radiation Biology Panel Meeting May 1970, Life Sciences Aerospace Medical Division, Ames, and NASA Research Advisory Committee on Biotechnology and Human Research. *Descriptors:* Animal Experimentation; Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Method; Voluntariness; Volunteers; National Academy of Sciences (NAS); Goddard Space Flight Center (NASA/GSFC); Air Force (DOD/USAF); National Aeronautics and Space Administration (NASA); Ames Research Center (NASA).

**NASA-020195-A** 38 documents; 0.35 cu.ft. *Source:* National Aeronautics and Space Administration, Headquarters. *Collection:* Federal Records Center and National Archives. *Contents Description:* Documents retireved from a search of NASA records at the FRCs and NARA, this includes records from NASA Headquarters, Ames research center, Dryden flight research center, Goddard Space Flight Center, Kennedy Space Center, Lewis Research Center, Marshall Space Flight center, Stennis Space Center and the Jet Propulsion Laboratory. *Descriptors:* Biological Effects; Ethics; Experimental Equipment; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Informed Consent; Radiation--Ionizing; Scientific Data; Scientific Method; Space Flight; Ames Research

Center (NASA); Goddard Space Flight Center (NASA/GSFC); National Aeronautics and Space Administration (NASA).

**NASA-020795-A** 21 documents; 0.3 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Correspondence, report excerpts, and transcripts of an eclectic mix of documents related to the following and more: NASA-DOD Space Sciences joint committee, NASA Nuclear rocket program, Life Sciences Program, Gemini program, and Isotope selection to name a few. (Index included with accession.) *Descriptors:* Experimental Equipment; Experimental Methods; Experiments; Meetings; Nuclear Rockets; Radiation--Ionizing; Scientific Data; Scientific Method; Space Flight; John Pickering; Ames Research Center (NASA); Atomic Energy Commission (AEC); Department of Defense (DOD); Goddard Space Flight Center (NASA/GSFC); National Aeronautics and Space Administration (NASA).

**NASA-021395-A** 10 documents; 0.2 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Documents pertaining to NASA's nuclear rocket motor programs. *Descriptors:* Dose Reconstruction; Experimental Equipment; Experimental Methods; Experiments; Nuclear Rockets; National Aeronautics and Space Administration (NASA).

**NASA-021395-B** 21 documents; 0.5 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Fourth Submission of NASA wide document search for Human Radiation Experiments. There is an index located with the accession, in general this accession covers the following topics: Space Radiation, reports by the Life Sciences committee, SNAP program Studies circa 1964, several long range plans reports, reports on Space Nuclear Power Program, KIWI-NERVA-ROVER, and DOD-NASA relationship 1959-72. . *Descriptors:* Biological Effects; Experiments; Nuclear Rockets; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Method; Space Flight; National Aeronautics and Space Administration (NASA).

**NASA-022395-A** 1 box; 1 cu.ft.; inventory available. *Source:* E. Ferguson (National Aeronautics and Space Administration). *Contents Description:* Fifth shipment from NASA. Documents include: NASA/AEC correspondence, Interagency Agreements, SST Radiation Study, Atomic Industrial Forum, Inc., NASA Space Nuclear Propulsion Ofc., Nuclear Safety. *Descriptors:* Space Flight; National Aeronautics and Space Administration (NASA).

**NASA-022395-B** 3 documents; 0.06 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Collection:* NASA. *Contents Description:* (1) Analysis of the Kiwi-TNT experiment, Recon-G65N89258, Comet N65-89258 Service of NASA STI, March 24, 1966, 6 pgs. (2) Radioiodine Studies following the transient nuclear test (TNT) of a Kiwi reactor, 1965, RECON-G 67N81030, Comet N67-81030 Service of NASA STI, 1965, 14 pgs. (3) Integral gamma and neutron measurements on the KIWI-TNT, RECON-G 66n29237, Comet N67-81834 Service of NASA STI, July 5, 1965, 24 pgs. *Descriptors:* Experimental Methods; Experiments; Military Activities; Nuclear Rockets; Radiation--Ionizing; Space Flight; National Aeronautics and Space Administration (NASA); University of California - Berkeley (UCB).

**NASA-022495-A** 1 document; 0.05 cu.ft. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Contents Description:* Response to ACHRE request no. 012795-D, Public Access to Agency Information Relating to Human Radiation Experimentation. *Descriptors:* Experiments; Human Subjects; Public Access; Radiation--Ionizing; Records; National Aeronautics and Space Administration (NASA).

**NASA-022895-A** 7 documents; 0.09 cu.ft. *Source:* National Aeronautics and Space Administration, Office of Aerospace Medicine. *Collection:* Manned Spacecraft Center. *Contents Description:* Collection of NASA Management Instructions all from the Manned Spacecraft Center (MSC) except one from the Lyndon B. Johnson Space Center. The MSC's documents discuss the following: Radiological Control - Policies and General Procedures, 12/5/66; Radiological Safety - Personnel Dosimetry, 08/30/66; Establishment of MSC Radiological Control Manual and Radiological Control Committee, 05/12/66; Radiological Control - Exposure of Astronauts to Ionizing Radiation, 07/11/67; MSC Radiation Safety Committee, 06/06/72; MSC Radiation Safety Committee, 07/28/70; and from the LBJ Spacecenter, Medical Isotopes Operations Subcommittee of the JSC Radiation Safety Committee, 11/4/74. *Descriptors:* Occupational Guidelines; Occupational Health; Manned Spacecraft Center (NASA); National Aeronautics and Space Administration (NASA).

**NASA-030695-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* Janis Stoklosa (National Aeronautics and Space Administration). *Contents Description:* Response to Request # 121994-A. Comet N66-86723 Rover Technical Notes. *Descriptors:* National Aeronautics and Space Administration (NASA).

**NASA-030995-A** 3 documents; 0.13 cu.ft.; inventory available. *Source:* Earl Ferguson (National Aeronautics and Space Administration). *Contents Description:* Response to Request #121994-A. Comet X66-20549: Document Limitation, H. I. Cordova and L. W. Weisbecker, Radionuclide Release From Aerospace Nuclear Reactor Fuels, III, Recon-G. Comet X64-14989: Document Limitation, Summary Report, Rift Industrial Saff Member Participation in Project

Rover KIWI Operation. Comet X66-20549: Document Limitation, Rover Flight Safety Program Preliminary Review IV. Safety Analysis Report - Radiological Consideration In Nuclear Flights Safety Final Report. *Descriptors:* Radiological Warfare; National Aeronautics and Space Administration (NASA).

**NASA-030995-B** 2 documents; 0.02 cu.ft. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* Two memo's From the Manned Spacecraft Center "Announcement," by Charles A. Berry, M.D., the first is dated 11/5/68, re: Radiological Health Program; the second 12/30/95, re: MSC, Radiation Safety Committee, description of purpose. *Descriptors:* Occupational Guidelines; Occupational Health; Manned Spacecraft Center (NASA); National Aeronautics and Space Administration (NASA).

**NASA-031095-A** 2 folders; 0.5 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration. *Contents Description:* NASA's documents from their search at Federal Records Center and National Archives. This includes records from NASA Headquarters, Ames Research Center, Dryden Flight Research Center, Lewis Research Center, Marshall Space Flight Center, Stennis Space Center & Jet Propulsion Laboratory. Some enclosures are: Report of Joint Committee On Hazards of Nuclear Space Systems On Potential Hazards of Nuclear Space Systems, Naval Medical Research Institution Technical Report, ILSE Working Group Folder, Press Release of 1/12/61, The Human Factor In Manned Space Flight, Report of the Joint DOD/NASA Planning Group On Crew Performance Prediction and Training, Book entitled Comet: Proceedings of the Experiments Information Meeting On the Apollo Applications Program In Bioscience. *Descriptors:* National Aeronautics and Space Administration (NASA).

**NASA-031495-A** 5 documents; 0.3 cu.ft.; inventory available. *Source:* Earl Ferguson (National Aeronautics and Space Administration). *Contents Description:* Response to request #030295-A. Enclosed: 1. NMD 1150.7, 2. Statement by Dr. Lawrence F. Dietlein, Johnson Space Center, explaining the historical evolution of JSC's radiological protection responsibilities and committees, list of NASA human radiation research conducted between 1966 - 1970, 3. List of human radiation research & medical tests conducted between 1962 - 1966 with supporting documentation. *Descriptors:* Guidelines/Regulations; National Aeronautics and Space Administration (NASA).

**NASA-031495-B** 1 folder; 0.12 cu.ft.; inventory available. *Source:* Janis Stoklosa (National Aeronautics and Space Administration). *Contents Description:* NASA books N68-12649 (Environmental Studies: Radiological Significance of Nuclear Rocket Debris, Progress Report for 7/1/65 - 6/30/66)& N76-74861 (AEC NASA Space Nuclear Propulsion Office Preliminary Report On the NERVA Radiation Environment). *Descriptors:* Weapons Research; National Aeronautics and Space Administration (NASA).

**NASA-031795-A** 2 boxes; 3 cu.ft.; inventory available. *Source:* National Aeronautics and Space Administration, Headquarters. *Contents Description:* In response to the ACHRE request, enclosed are NASA's Human Radiation Experiment Data Summaries with supporting Documentation. There are 145 experiments. (These files will be incorporated into the experiment index) *Descriptors:* Experiments; Records; National Aeronautics and Space Administration (NASA).

**NASA-072095-A** 1 binder; 0.15 cu.ft. *Source:* National Aeronautics and Space Administration. *Contents Description:* NASA uniform file index October 1987, re: a guide to the use of NASA records. *Descriptors:* Records; National Aeronautics and Space Administration (NASA).

**NRC-090194-A** 3 folders; 0.5 cu.ft. *Source:* Nuclear Regulatory Commission, Public Reading Room. *Collection:* Code of Federal Regulations. *Contents Description:* Xeroxes of Code of Federal Regulations (CFR) 9 Part 20 Standards for Protection Against Radiation 1958 - 1994. CFR Part 30 Rules of General Applicability to Domestic Licensing of By Product Material 1949 - 1986. Part 31 General Domestic Licenses For By Product Material 1966 - 1988. *Descriptors:* Agency Histories; Guidelines/Regulations; Nuclear Regulatory Commission (NRC).

**NRC-011895-A** 9 documents; 0.1 cu.ft.; inventory available. *Source:* Paul F. Goldberg (Nuclear Regulatory Commission). *Contents Description:* Records describing: (1) survey of NRC files for human subject research; (2) establishment of formal relations between ACHRE and NRC; (3) description and reports of the Human Studies Review. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Records; Surveys; Isotope Licenses; Atomic Energy Commission (AEC); Nuclear Regulatory Commission (NRC).

**NRC-012695-A** 12 documents; 0.2 cu.ft. *Source:* Paul F. Goldberg (Nuclear Regulatory Commission). *Contents Description:* Primarily contains index's and bibliographies of human study licenses, re: Review of AEC Byproduct Material License Files for Mass General Hospital, U of Penn, U of Oklahoma, Harvard, Health Sciences Research Division, MIT, some VA Hospitals, and a collection of documents from the Advisory Committee on the Medical Uses of Isotopes 2/20/71. *Descriptors:* Experiments; Human Subjects; Records; University Research; Harvard Medical School; Massachusetts Institute of Technology (MIT); Nuclear Regulatory Commission (NRC); Oak Ridge National Laboratory (DOE/ORNL).

**NRC-030195-A** 2 boxes; 2.5 cu.ft. *Source:* Nuclear Regulatory Commission, Division of Industrial and Medical Nuclear Safety. *Contents Description:* Box one contains US Nuclear Regulatory Commission archived licensing files, for Philadelphia General Hospital, Department of Veterans Affairs Philadelphia Medical Center, and Philadelphia

Geriatric Hospital. Box two archived license files for Massachusetts General Hospital. There is a list identifying each license in each box. *Descriptors:* Experiments; Records.

**NRC-032095-A** 15 documents; 0.3 cu.ft.; inventory available. *Source:* Elaine A. Zeighami (Nuclear Regulatory Commission). *Contents Description:* NRC License files of the following Hospitals and Universities: Fitzsimons Army Hospital, Harper Hospital, Harper Grace Hospital, Harper Hospital, Miami Valley Hospital, University of Oregon Medical School, and the University of Virginia. *Descriptors:* Records; Nuclear Regulatory Commission (NRC).

**NRC-033095-B** 1 document; 0.01 cu.ft. *Source:* Nuclear Regulatory Commission, Office of the General Counsel. *Contents Description:* NRC answers to questions posed by ACHRE staff members regarding radioisotope distribution criteria. *Descriptors:* Guidelines/Regulations; Radiation--Ionizing; Nuclear Regulatory Commission (NRC).

**NRC-041295-A** 4 documents; 0.3 cu.ft. *Source:* Nuclear Regulatory Commission, Operations Branch, Division of Industrial and Medical Nuclear Safety, Office of Nuclear Material Safety and Safeguards. *Contents Description:* A document form ORNL is the final report for ORNL's analysis of "Licenses Uses of Radiological Materials in Humans at Harvard Medical School." The second document is an updated compilation of summaries of non-routine human uses for licenses in NRC's retirement Job 1722, the compilation is in license number order and includes two indexes -- one, numerical by license number and the other alphabetical, by licensee name. Also included are two packets of licenses to Harper-Grace Hospital in Detroit. *Descriptors:* Experiments; Guidelines/Regulations; Radiation--Ionizing; Harper Hospital; Nuclear Regulatory Commission (NRC).

**NRC-050395-A** 3 documents; 0.04 cu.ft. *Source:* Nuclear Regulatory Commission, Industrial and Medical Nuclear Safety. *Contents Description:* A three-page list of licensees which used the isotopes ACHRE staff is interested in. A copy of the file for license 19-1826-3, issued to the Army Chemical Center on May 24, 1960. Which involved the use of phosphorus 32 to determine the rate of penetration of nerve gas through skin in man. A nine-page list of licenses for Aberdeen proving ground and Edgewood Arsenal, sites at which radiological warfare experiments were conducted. *Descriptors:* Biological Effects; Experiments; Scientific Data; Volunteers; Army (DOD/USA); Nuclear Regulatory Commission (NRC); Office of the Surgeon General (PHS/OSG).

**NRC-060595-A** 1 folder; 0.3 cu.ft. *Source:* Paul Goldberg (Nuclear Regulatory Commission). *Collection:* Atomic Energy Commission Division of Biology and Medicine and Division of Licensing and Regulation. *Contents Description:* Committee staff retrieved records related to AEC istotope distribution and medical uses of radioisotopes. Records date from 1955 to 1974 . *Descriptors:* Children; Disclosure; Ethical Guidelines; Ethical Standards; Experimental Methods; Experiments; Grants/Grantees; Guidelines/Regulations; Human Subjects; Informed Consent; Medical Ethics; Medical Laboratories; Medical Therapies; Pregnant Women; Radiation--Ionizing; Research--Nontherapeutic; Research--Therapeutic; Research Ethics; Total Body Irradiation; University Research; Volunteers; Paul C. Aebersold; Advisory Committee on Biology and Medicine (AEC/ACBM); Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Human Applications; Division of Biology and Medicine (AEC/DBM); Oak Ridge National Laboratory (DOE/ORNL).

**NRC-061495-A** 7 boxes; 7 cu.ft. *Source:* Elaine Zeighami (Nuclear Regulatory Commission). *Collection:* ORNL. *Contents Description:* All boxes contain documents from the Oak Ridge NRC licenses files. Three boxes contain University of Oklahoma files, one each from the Medical College of Virginia, Tulane, and Peter Bent Brigham Hospital. *Descriptors:* Biological Effects; Experimental Equipment; Experimental Methods; Experiments; Human Subjects; Medical Equipment; Medical Laboratories; Medical Records; Medical Therapies; Occupational Guidelines; Occupational Health; Radiation--Ionizing; Teletherapy; Atomic Energy Commission (AEC); Nuclear Regulatory Commission (NRC); Tulane University.

**NRC-072195-B** 2 folders; 0.3 cu.ft. *Source:* Nuclear Regulatory Commission, Division of Industrial and Medical Nuclear Safety, NMSS. *Contents Description:* Summary reports and finding aids regarding searches performed by the Nuclear Regulatory Commission for isotope license information for the following institutions: University of Oklahoma, MIT, Tulane University-Charity Hospital, Peter Bent Brigham Hospital, Brigham and Women's Hospital, and Job 1722 (numerous institutions). *Descriptors:* Records; Department of Energy (DOE); Nuclear Regulatory Commission (NRC).

**NSF-010395-A** 1 document; 0.03 cu.ft.; inventory available. *Source:* Stuart Plattner (National Science Foundation). *Contents Description:* Response to request #113094-B. Letter answers questions regarding current procedures. Enclosed is regulations regarding Protection Of Human Subjects & IRB Membership. *Descriptors:* Guidelines/Regulations.

**ORE-110794-A** 19 documents; 0.05 cu.ft. *Source:* State of Oregon, Department of Energy. *Collection:* Hanford Environmental Dose Reconstruction Project. *Contents Description:* 17 fact sheets and 2 summary reports of by the Technical Steering Panel of the Hanford Environmental Dose Reconstruction project, various dates 1989-94. *Descriptors:* Agency Histories; Experiments; Green Run; Guidelines/Regulations; Law & Legal Issues;

Protection/Shielding; Radiation--Ionizing; Releases of Radioactivity; Research--Nontherapeutic; Scientific Data; Suppression of Uptake of Radioisotopes; Hanford Site (Richland Washington); Battelle Memorial Institute (Battelle); Centers for Disease Control and Prevention (PHS/CDC).

**SMITH-120994-A** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Smithsonian Institution, Space Division. *Contents Description:* Excerpts from Atomic Air Force Histories. Excerpts from Volume 4 on Radwarfare nuclear test organization. Excerpt from Volume 5 on NEPA.. *Descriptors:* Agency Histories; Radiological Warfare; Air Force (DOD/USAF); Department of Defense (DOD).

**SMITH-120994-B** 1 binder; 0.1 cu.ft.; inventory available. *Source:* Smithsonian Institution, Space History. *Contents Description:* Binder titled: Oral History On Space, Science, and Technology: Project Mercury Ballistic Capsule. A catalog of the collection of the Department of Space History National Air and Space Museum. *Descriptors:* Agency Histories.

**TEX-082494-A** 1 document; 0.03 cu.ft.; inventory available. *Source:* Texas A&M University. *Collection:* "Inventory of the Paul C. Aebersold Papers 1924-1970". *Contents Description:* An inventory of the papers of Paul C. Aebersold. Short Biographical sketch is given & then a listing of his papers. *Descriptors:* No descriptors.

**TEX-101294-A** 1 folder; 0.1 cu.ft.; inventory available. *Source:* Texas A&M University. *Collection:* Paul Aebersold Collection. *Contents Description:* Paul Aebersold Collection at Texas A & M, papers on the Manhattan Project, isotopes distribution, biographical information. *Descriptors:* Agency Histories.

**UCB-040395-A** 1 folder; 0.2 cu.ft.; inventory available. *Source:* University of California - Berkeley, Bancroft Library. *Collection:* CU-1.8 Box 12, CU-1.4 box 14. *Contents Description:* Collection of documents request in October from the Bancroft Library University of California Berkeley, by the ACHRE. Includes, correspondence, reports, and contracts from the 40's and early 50's. Considerable amount of contracts and budget information regarding project 48. Indexes of documents requested are included. *Descriptors:* Biological Effects; Contracts/Contractors; Secrecy; Earl Miller; Stafford Warren; Atomic Energy Commission (AEC); Manhattan Engineer District (War/CE/MED); University of California - Berkeley (UCB).

**UCH-061794-A** 1 document; 0.05 cu.ft. *Source:* University of Chicago, Archives. *Contents Description:* Inventory of the records of the Office of the Vice President for Special Projects at the Unversity of Chicago; has handwritten annotations by Gregg Herken. *Descriptors:* Experiments; Human Subjects; Records; University Research.

**UCH-040495-A** 1 folder; 0.03 cu.ft. *Source:* University of Chicago, Regenstein Library Special Collections. *Collection:* Office of the Vice President for Special Projects. *Contents Description:* Records retrieved by Committee staff from the Office of Vice President for Special Projects relating to the University of Chicago Metallurgical Laboratory and the Argonne National Laboratory.. *Descriptors:* Insurance; Consent; Consent Forms; Disclosure; Fallout; Human Subjects; Informed Consent; Research--Nontherapeutic; Volunteers; Robert Stone; Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Human Applications; Argonne National Laboratory (DOE/ANL); Argonne National Laboratory (DOE/ANL): Cancer Hospital; Atomic Energy Commission (AEC); Clinton Laboratory (War/CE/MED); Manhattan Engineer District (War/CE/MED); University of Chicago: Metallurgical Laboratory.

**UCH-062795-A** 1 document; 0.01 cu.ft. *Source:* University of Chicago, Regenstein Library, Dept. of Special Collections. *Collection:* Morris Fishbein Papers,. *Contents Description:* A.C. Ivy to R.S. Berghoff et al. regarding a State of Illinois panel established to advise the Division of Correction on the use of prisoners as volunteers in medical experiments. Letter dated 06/24/47. *Descriptors:* Ethical Policies; Ethical Standards; Experiments; Human Subjects; Nuremberg Codes/Trials; Prisoners; Volunteers.

**UCIN-102094-A** 1 document; 0.01 cu.ft. *Source:* Eugene Saenger (University of Cincinnati). *Contents Description:* Memo from Dr. Eugene L. Saenger discussing various aspects of the University of Cincinnati experiments: (1) was the treatment meant therapeutically; (2) How can the quality of life and length of life of a cancer patient be determined; (3) informed consent; and (4) notes on regulation affecting clinical investigations from Federal Agencies. *Descriptors:* Agency Histories; Records; University of Cincinnati.

**UCIN-103194-A** 5 boxes; 7 cu.ft. *Source:* Patricia Samson (University of Cincinnati). *Collection:* Medical Center Public Relations and Communications. *Contents Description:* Documents from the University of Cincinnati, representing everything UC could find relating to the Cincinnati TBI experiments, except for patient records. *Descriptors:* Agency Histories; Biological Effects; Consent; Consent Forms; Contracts/Contractors; Ethics; Experimental Methods; Experiments; Grants/Grantees; Human Subjects; Medical Laboratories; Occupational Guidelines; Occupational Health; Protection/Shielding; Radiation--Ionizing; Research--Therapeutic; Scientific Data; Scientific Equipment; Scientific Method; Total Body Irradiation; University Research; Eugene Saenger; Defense Atomic Support Agency (DOD/DASA); Department of Defense (DOD); University of Cincinnati.

**UCLA-063094-A** 1 document; 0.01 cu.ft. *Source:* University of California - Los Angeles, Research Library, Department of Special Collections. *Contents Description:* Stafford Warren Papers; Collection # 987, Series Description Includes: University of Rochester Papers, Manhattan Engineering District Papers, Operation Crossroads, Addiationl Material

Relating To Nuclear Energy & Bombs, Special Assistant To the President For Metal Retardation, Various Assignments & Consultant Projects, Research Materials, Miscellaneous Research Materials, Writings By Stafford Warren, Miscellaneous Materials, Oversize Materials. (Gregg Herken has the Staff Working Copy) *Descriptors:* Stafford Warren; University of California - Berkeley (UCB): Radiation Laboratory.

**UCLA-082994-A** 5 documents; 0.01 cu.ft. *Source:* University of California - Los Angeles. *Contents Description:* Growth and Development studies (XXIII-B) Progress Report, Nagasaski Series, 1948, Growth and Development Studies (XXIII-A) Interim Report, Nagasaki Series, by Dr. M. Suzuki, Developement of prototype instrumentation for the measurement of roentgen rays, alpha particles and beta activity in tissue in vivo, Suggestions for draft September 2, 1948. Study of the physical growth and development of the Japanese children who were exposed to the irradation from the atom bomb. *Descriptors:* Agency Histories; Experiments; Human Subjects; Stafford Warren; Atomic Energy Commission (AEC); Stanford University; University of California San Francisco: Hospital.

**UCLA-090194-A** 1 folder; 0.03 cu.ft. *Source:* University of California - Los Angeles, School of Medicine: Archives. *Collection:* Series 300 the Stafford Warren Papers, from UCLA Archives. *Contents Description:* A collection of papers pertaining to Stafford Warren, gleaned from the UCLA Medical Library. Some are memo's others are actual discussions of experiments using radiation, documents range from 1947 - 1958. *Descriptors:* Agency Histories; Biological Effects; Experiments; Scientific Data; .

**UCLA-090794-A** 1 folder; 0.04 cu.ft. *Source:* University of California - Los Angeles, School of Medicine: Archives. *Collection:* Stafford Warren Collection. *Contents Description:* VA Materials (regarding Central Advisory Committee On Radioisotopes & Wadswroth/West LA & Birmingham/Van Nauys Radioisotope Research) Documents re: Plan to establish Space Science Center at UCLA (to work with NASA); documents on UCLA's Atomic Energy Project in conjunction with AEC. *Descriptors:* Agency Histories; Stafford Warren; Atomic Energy Commission (AEC) .

**UCLA-100794-A** 1 folder; 0.05 cu.ft. *Source:* University of California - Los Angeles, Office of Contract and Grant Administration. *Contents Description:* Primary documents: from the Stafford Warren Medical School files, including correspondence, re: 1954 Pacific Tests, VA Centers Birmingham and Wadsworth, overall VA radioisotope planning/abstracts/reports/-conference notes. Secondary works: Arthur, Ransom, M.D. By the Old Pacific's Rolling Water: Birth of the UCLA School of Medicine. (Los Angeles: UCLA Press, 1992). *Descriptors:* Agency Histories; Contracts/Contractors; Grants/Grantees; Guidelines/Regulations; Human Subjects; University Research; Stafford Warren; University of California - Los Angeles (UCLA).

**UCLA-101794-A** 1 document; 0.8 cu.ft. *Source:* Patricia Brennan (University of California - Los Angeles). *Collection:* UCLA. *Contents Description:* Three volume Oral History of Stafford Warren. Titled "An Exceptional Man for Exceptional Challenges," Interviewed by Adelaide Tusler, Vol. I - III, University of California. *Descriptors:* Interviews; Stafford Warren; University of California - Los Angeles (UCLA).

**UCLA-102594-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Patricia Brennan (University of California - Los Angeles). *Contents Description:* 1960 Purchase order for linear accelerator. *Descriptors:* Agency Histories; University of California - Los Angeles (UCLA).

**UCLA-111094-A** 1 box; 1 cu.ft.; inventory available. *Source:* University of California - Los Angeles. *Contents Description:* 17 Folders, Titles are: 1) Records of the UC Human Use Committee 1948, 2) Records of the Cancer Research Committee and Cancer Research Sectional and Coordinating Committees 1947 - 1955, 3) Records of Contract 10, Project 2, 4) Patient Records of CAL-A, CAL-Z, land the Astatine-8", 5) Records of Donner Lab, Divisions of Medical Physics, Part II: Donner Metabolic Unit Cowell Hospital, 6) Records of the Hutchison Committee on the Relations Between Medico-Physics and Medicine, 7) Histories of the Donner Laboratory, Crocker Laboratory, and Division of Medical Physics, 8) Records of John Lawrence's 1949 Radioiron Experiments at San Quentin, 9) Papers of UCSF Dean Smyth, 10) Papers of Hardin Jones, 11) Papers of Corniluis Tobias, Biomedical Research in Classified or Unclassified UCRL Reports, 12) Records of Roberts Stone's Teletherapy at UCSF, 1942 - 1950, 13) Responses to the Presidential Advisory Committee Request For University of California Documents, 14) Captive Populations, 15) Hoover Institution Archives Hardin B. Jones Papers Preliminary Inventory, 16) Hoover Institution Archives John H. Lawrence Papers Inventory, 17) Hoover Institution Archives Dixy Lee Ray Papers A Register of Her Papers. (*Privacy Act Info*) *Descriptors:* Agency Histories; Robert Stone; University of California - Berkeley (UCB); University of California - Los Angeles (UCLA); University of California - San Diego (UCSD); University of California - San Francisco (UCSF); University of California - Berkeley (UCB): Radiation Laboratory.

**UCLA-121594-A** 2 documents; 0.04 cu.ft. *Source:* University of California - Los Angeles, Oral History Project. *Collection:* Stafford Warren Oral History. *Contents Description:* Stafford Warren oral history Index (both written transcript and audiotape index). *Descriptors:* Records; Stafford Warren; University of California - Los Angeles (UCLA).

**UCLA-122194-A** 8 documents; 0.1 cu.ft. *Source:* Perry Hall (University of California - Los Angeles). *Collection:* UCLA University Archives. *Contents Description:* Materials from Stafford Warren administrative files: abstracts of progress reports of field radioisotope units (1952 - 51), SLW correspondence with L.G. Rowntree. minutes of Nov. 29 - 30, 1950 radioisotope Section Conference (2 copies) minutes of March 17 - 18, 1949 meeting of representatives of radioisotope units. *Descriptors:* Medical Therapies; Radiation--Ionizing; Records; Research--Therapeutic; Lawrence Berkeley Laboratory (AEC/LBL); Veterans Administration (VA).

**UCLA-050895-A** 1 document; 0.15 cu.ft. *Source:* University of California - Los Angeles. *Contents Description:* Transcript of interview with Willard F. Libby by Mary Terrall of the Oral History Program UCLA, August 10 and 17, September 8 and 11, 1978. *Descriptors:* Interviews.

**UCSF-022495-A** 3 documents; 0.2 cu.ft. *Source:* University of California - San Francisco, Public Affairs. *Collection:* UCSF. *Contents Description:* Interim report of the UCSF Ad Hoc Fact-Finding Committee on World War II-Era Human Radiation Experiments. In January 1994, UCDF Chancellor Joseph B. Martin appointed a committee of faculty, administrators and a public member to investigate media reports alleging that UCSF patients had received experimental radiation treatments in the 1940s as part of classified research programs conducted by the federal government. *Descriptors:* CAL 1 2 or 3; Ethics; Experimental Methods; Experiments; Medical Diagnosis; Medical Ethics; Medical Records; Medical Therapies; Radiation--Ionizing; Research Ethics; University Research; University of California - San Francisco (UCSF).

**USDA-031695-A** 1 document; 0.05 cu.ft. *Source:* Department of Agriculture, Agricultural Research Services. *Collection:* National Program Staff. *Contents Description:* USDA directive 605.1, 9/19/86 regarding the "Protection of Human Subjects," by the National Program Staff USDA. *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects.

**UT-112094-A** 1 document; 0.02 cu.ft.; inventory available. *Source:* James B. Lloyd (University of Tennessee). *Contents Description:* Radiation Research *Collection:* Composite Guide. *Descriptors:* No descriptors.

**UT-030395-A** 1 folder; 0.15 cu.ft. *Source:* University of Tennessee, Hoskins Library. *Collection:* Special Collections. *Contents Description:* Documents retrieved by ACHRE staff from the radiation Biology collection at the University of Tennessee. The documents pertain to the Beryllium case, Kline case, and X-Rays and pregnant women. *Descriptors:* Beryllium; Biological Effects; Experimental Methods; Experiments; Harm; Human Subjects; Medical Diagnosis; Medical Therapies; Pregnant Women; Radiation--Ionizing; Research-- Nontherapeutic; University Research; National Research Council (NAS/NRC); University of Tennessee.

**UTAH-111394-A** 1 document; 0.01 cu.ft. *Source:* University of Utah, Archives. *Collection:* University of Utah Archives. *Contents Description:* Accession date approximate. ACHRE is uncertain who provided the document, but the original source is the University of Utah. Contents: Woodbury, Radiological Safety Officer, to Olpin, President of the University of Utah, concerning a report to the University Isotope Committee, 07/09/59. Report titled "Resume of Activities While Acting as Health Physicist and Radiological Safety Officer to the University of Utah Isotope Committee.". *Descriptors:* No descriptors.

**UTEX-122294-A** 1 document; 0.01 cu.ft. *Source:* University of Texas-MD Anderson Cancer Center, Division of Radiotherapy. *Contents Description:* Letter stating MD Anderson had an "emerging" consent policy, included is a consent form from as an example, dated 1/4/54. *Descriptors:* Consent; Consent--Written; Consent Forms; M. D. Anderson Hospital (Houston Texas).

**UWM-020695-A** 3 documents; 0.15 cu.ft. *Source:* J. Frank Cook (University of Wisconsin-Madison). *Collection:* E. B. Fred's files UW-Madison Archives. *Contents Description:* Correspondence and an anthology of lectures given at The University of Wisconsin "A Symposium on The Use of Isotopes in Biology and Medicine." dated September 10,11,12 and 13, 1947. *Descriptors:* Experimental Methods; Experiments; Medical Therapies; Meetings.

**VA-051694-A** 5 documents; 0.05 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Fact sheets re: VA radiation experiments, brochure re: history of VA. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Veterans Administration (VA).

**VA-052594-A** 2 folders; 0.5 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Written histories of atomic medicine/radioisotope program; document retention policies, hospital surveys, General Counsel opinions & briefs re: presumptions, sample DOD/VA agreement re: patient treatment. *Descriptors:* Experiments; Guidelines/Regulations; Human Subjects; Law & Legal Issues; Records; Surveys; Department of Defense (DOD); Veterans Administration (VA).

**VA-053194-A** 1 document; 0.1 cu.ft. *Source:* Department of Veterans Affairs, Office of the Chief of Staff. *Contents Description:* Materials re: establishment and operation of VA Radiation Information Coordinating Committee, 1994. *Descriptors:* Guidelines/Regulations; Public Access; Records.

**VA-060194-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of Research and Development. *Contents Description:* Description of records search in research division. *Descriptors:* Records.

*Sources and Documentation*

**VA-060394-A** 3 documents; 0.1 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Response to ACHRE staff draft report and supporting documentation. *Descriptors:* Records.

**VA-060694-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Comments on ACHRE staff draft report by Susan Mather. *Descriptors:* Records.

**VA-060894-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* VHA Directive 10-94-045 of June 7, 1994, Follow-up Actions to Radiation Hotline Calls and Similar Inquiries. *Descriptors:* Public Access.

**VA-060894-B** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of the Chief of Staff. *Contents Description:* Letter in response to draft ACHRE staff report on VA records search. *Descriptors:* Records.

**VA-061594-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Veterans Health Administration (VHA). *Contents Description:* Definition of administrative issues; information re: policy manuals. *Descriptors:* Guidelines/Regulations.

**VA-061694-A** 3 folders; 1 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Responses of VAMC to 2 surveys sent by the Central Office; some responses also have narrative [1 document illegible; replaced by VA-062894-B ]. *Descriptors:* Surveys.

**VA-062094-A** 12 documents; 0.05 cu.ft. *Source:* Department of Veterans Affairs. *Collection:* US Congress, House of Representatives, Committee on Veterans' Affairs. *Contents Description:* Witness list, Members' statements, witness statements from 2/8/94 House Veterans' Affairs Committee hearing on radiation in human subjects. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Testimony; Congress.

**VA-062194-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* FAX transmitting memorandum re: Omaha nuclear reactor. *Descriptors:* Reactors.

**VA-062194-B** 1 folder; 0.02 cu.ft. *Source:* Ron Taylor (Department of Veterans Affairs). *Collection:* Federal Records Center. *Contents Description:* Indices to VA files held at Suitland Federal Records Center. *Descriptors:* Agency Histories; Department of Veterans Affairs (DVA).

**VA-062894-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* VA summary of results of survey re: radiotherapy research and research in affiliated institutions. *Descriptors:* Medical Therapies; Surveys.

**VA-062894-B** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Annotated list of VAMCs with comments about responses to 2 CO surveys (replaces illegible copy from VA-061694-A ). *Descriptors:* Surveys.

**VA-063094-A** 6 documents; 0.05 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Testimony at 2/8/94 House Veterans' Affairs Committee hearing on VA radiation research. *Descriptors:* Experiments; Radiation--Ionizing; Testimony; Congress.

**VA-070194-A** 13 documents; 0.05 cu.ft.; inventory available. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Response to 6/16/94 document request; attaches information re: internal Central Office search, information re: Omaha reactor; copy of 1990 VA research consent form. *Descriptors:* Experiments; Human Subjects; Informed Consent; Reactors; Records; Veterans Administration (VA).

**VA-070594-A** 2 documents; 0.05 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* In response to ACHRE request, two reports on depleted uranium: (1) AFRRI Technical Report 93-1, "Assessment of the Risks from Imbedded Fragments of Depleted Uranium"; (2) AFRRI Technical Report 93-2, "Protocol for Monitoring Gulf War Veterans with Imbedded Fragments of Depleted Uranium". *Descriptors:* Methods and Techniques; Military Activities; Radiation--Ionizing; Department of Defense (DOD); Department of Defense (DOD): Armed Forces Radiobiology Research Institute (AFRRI).

**VA-071194-A** 1 document; 0.01 cu.ft.; inventory available. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Collection:* NARA - Suitland. *Contents Description:* "Here is the summary of the 11 items reviewed so far from the NRC in Suitland. Relevant documents are being copied and will be made available as soon as possible." Titles of records areas reviewed include Confidential Records and Reports; Atomic Casualties; Radioisotopes - Conferences; Radioisotopes - Technical Bulletin 10-50; Radioisotopes; Research Project; Radiologic Defense Training; Atomic Energy Commission; Med. and Surg. RCS 10-120 Radioisotopes. *Descriptors:* Experiments; Records; Atomic Energy Commission (AEC); Naval Radiological Defense Laboratory (DOD/USN/NRDL).

**VA-071494-A** 16 documents; 0.02 cu.ft.; inventory available. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Collection:* NARA Suitland. *Contents Description:* Papers of

the Veterans Administration or related to its programs, c. 1947-1958. *Descriptors:* Experiments; Human Subjects; Radiation--Ionizing; Veterans Administration (VA).

**VA-071894-A** 1 folder; 0.1 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Excerpts from the annual report to Congress of the VA's Department of Medicine and Surgery, Medical Research in the Veterans Administration, 1959-1973. *Descriptors:* Agency Histories; Experiments; Federal Laboratories; Veterans Administration (VA); Veterans Administration (VA): Department of Medicine and Surgery.

**VA-072194-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of General Counsel. *Contents Description:* VA confidentiality statute. *Descriptors:* Law & Legal Issues.

**VA-072194-C** 11 documents; 0.05 cu.ft. *Source:* Department of Veterans Affairs, Office of the Chief of Staff. *Contents Description:* Sample protocols, minutes of Radioisotope committee meetings from field site. *Descriptors:* Agency Histories; Experiments; Meetings; Department of Veterans Affairs (DVA).

**VA-072894-A** 31 documents; 0.05 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Recent Memos from Central Office Division, all memos state that various divisions did not locate any human experimentation documents. *Descriptors:* Agency Histories; Department of Veterans Affairs (DVA).

**VA-072994-A** 1 document; 0.01 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Report of Contact With Dr. Herbert Allen, 7/20/94. *Descriptors:* George Lyon; Atomic Energy Commission (AEC).

**VA-080394-A** 1 folder; 0.02 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Additional Materials From Selected FRC Files On Early Radioisotope Research. Includes: Memos, Correspondence, Financial Documents & Publications. *Descriptors:* No descriptors.

**VA-080394-B** 1 folder; 0.02 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* Additional Material from II Selected FRC Files (Early Radioisotope Units). Includes Memo's, Correspondence. Mentions Committee On Atomic Casualties. *Descriptors:* No descriptors.

**VA-080494-A** 1 document; 0.01 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Computerized List of VA Records At Suitland Federal Records Center. *Descriptors:* No descriptors.

**VA-080994-A** 1 folder; 0.02 cu.ft. *Source:* Sandy Peyton (Department of Veterans Affairs). *Contents Description:* Response to ACHRE's 7/22/94 letter, Summary Of Interview, Review Of Radioisotope Research Program, Protocol Review and Subject Interviews. *Descriptors:* Agency Histories; Interviews; Department of Veterans Affairs (DVA); Veterans Administration (VA).

**VA-080994-B** 1 box; 1 cu.ft.; inventory available. *Source:* Dennis Smith (Department of Veterans Affairs). *Contents Description:* Historical Publications On VA's Medical Research, Medical Advances, Biomedical Research, Focus: VA Research and Development, "Modern Medical Miracles: Researchers Deserve Credit", Report Of Department Of Veterans Affairs Advisory Committee For Health Research Policy, Research News, Medical Research In Veterans Administration, Peer Review Trends, Summary of Selected HSR&D Field Program Activities, Response To Ethics Policies & Procedures, Projects Receiving Funding In Fiscal Year, Annual Report. *Descriptors:* Agency Histories; Ethical Policies; Department of Veterans Affairs (DVA).

**VA-080994-C** 1 binder; 0.02 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Collection:* NIA. *Contents Description:* Policy Manual M-3: Includes Part I - General, Part II- Medical Research Program,Part III- Health services Research and Development Program, IV- Rehabilitation Research and Development Program. *Descriptors:* Agency Histories; Department of Veterans Affairs (DVA).

**VA-080994-D** 1 document; 0.01 cu.ft. *Source:* Medical Administration Service: Celia Winter (Department of Veterans Affairs). *Contents Description:* List of Potentially Relevant Accessions At Suitland, FRC. *Descriptors:* No descriptors.

**VA-080994-E** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* 1974 Protocols From San Francisco VAMC. *Descriptors:* Guidelines/Regulations; Consent.

**VA-081194-A** 61 documents; 0.1 cu.ft. *Source:* Department of Veterans Affairs. *Contents Description:* Documents From Files of Nuclear Medicine Service, Possibly Germane To the Issue of Human Radiation Experiments. VA Annual Reports 1945-1955; and Policy Manuals M-3 Part I, II, III, IV. *Descriptors:* Agency Histories; Experiments; Guidelines/Regulations; Radiation--Ionizing; Total Body Irradiation; Department of Veterans Affairs (DVA).

**VA-081594-A** 4 documents; 0.01 cu.ft. *Source:* Palo Alto VAMC: Dr. Marguerite Hays (Department of Veterans Affairs). *Contents Description:* 1948 Info Re: Radioisotope Research; List of 1947 - 1957 VA Research Publications. *Descriptors:* George Lyon; Department of Veterans Affairs (DVA).

*Sources and Documentation*

**VA-082194-A** 1 document; 0.01 cu.ft. *Source:* Palo Alto VAMC: Dr. Marguerite Hays (Department of Veterans Affairs). *Contents Description:* Minutes of 9/15/48 Meeting Of Central Advisory Committee On Radioisotopes; Summary of Recommendations Developed At that Meeting. *Descriptors:* Radiation--Ionizing; Hymer Friedell; Veterans Administration (VA): Atomic Medicine Division.

**VA-082394-A** 0.02 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Response To 8/15/94 Letter. VA ethic documents, research publications, early correspondence regarding units. Missing Newsletters, Forum, Annual Report of the Radioisotope Unit Program, Minutes of the Advisory Committee on Radioisotopes, 9/15/48. *Descriptors:* Radiation--Ionizing; Department of Veterans Affairs (DVA); Department of Defense (DOD).

**VA-083094-A** 1 folder; 0.05 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Collection:* FRC. *Contents Description:* Administrator's files from Suitland FRC: early press releases, budget documents, correspondence. *Descriptors:* Agency Histories; Department of Veterans Affairs (DVA).

**VA-083194-A** 3 documents; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of Environmental Medicine and Public Health. *Contents Description:* 1946 Radioisotope Committee Meeting Minutes-Allen Park VAMC. *Descriptors:* Radiation--Ionizing; Department of Veterans Affairs (DVA).

**VA-090294-A** 80 documents; 0.05 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Collection:* FRC Suitland. *Contents Description:* Press releases about establishing radioisotope program/medical research and treatment, budget info. Enclosed documents were located under #015-70C5414 (8 boxes) and 015-69A3376 (84 Boxes) At FRC Suitland. *Descriptors:* No descriptors.

**VA-090894-A** 1 folder; 0.04 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Correspondence regarding training programs on medical aspects of atomic warfare, civil service classifications. This concludes the review of the first four accessions reviewed by VA Human Radiation Records Review Project. Folder Listings included. Most documents are regarding training courses & job positions. *Descriptors:* Guidelines/-Regulations; Training; Department of Veterans Affairs (DVA).

**VA-091394-A** 1 document; 0.1 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Status report on review of VA records at Federal Records Center; Response to 8/31/94 Weightman Letter. Abstracts for Ionizing Radiation & Non Ionizing Research Proposals. *Descriptors:* Agency Histories; Biological Effects; Human Subjects; Radiation--Ionizing; Radiation--Non-ionizing; Veterans Administration (VA).

**VA-091394-B** 1 box; 1 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Contents Description:* Records form 11 VA Medical Centers, that reviewed their records for evidence of human radiation experiments: Ann Arbor, Boston, Denver, Long Beach. West LA. Nashville, New Orleans, Salt Lake City, Milwaukee, Bronx, and Houston. *Descriptors:* Radiation--Ionizing; Records; Research--Therapeutic; Department of Veterans Affairs (DVA).

**VA-091594-A** 1 document; 0.01 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Memo (by fax) from Acting Undersecretary for Health to selected field sites regarding transmittal of documents to central office. *Descriptors:* Guidelines/Regulations; Department of Veterans Affairs (DVA).

**VA-092194-A** 4 folders; 1 cu.ft.; inventory available. *Source:* Richard Pell (Department of Veterans Affairs). *Collection:* San Francisco VAMC; NARA - Suitland. *Contents Description:* Documents from the San Francisco VAMC and Suitland Research Center. *Descriptors:* Agency Histories; Contracts/Contractors; Experiments; Grants/Grantees; Guidelines/Regulations; Human Subjects; Radiation--Ionizing; Research--Therapeutic; Researchers; Scientific Data; Scientific Method; Total Body Irradiation; Department of Veterans Affairs (DVA).

**VA-092694-A** 1 binder; *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Contents Description:* Part one of the listing of VA human radiation experiments, with locations, primary investigator, and title. For the years of 1956-1968. Accession # VA 100494-B gives the same listings but for 1969-1973. *Descriptors:* Agency Histories; Experiments; Records; Veterans Administration (VA).

**VA-092794-A** 5 boxes; 7.5 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Collection:* Hines VAMC. *Contents Description:* Hines VA Medical Center documents. *Descriptors:* Agency Histories; Human Subjects; Radiation--Ionizing; Experiments; Department of Veterans Affairs (DVA).

**VA-092894-A** 1 document; 0.01 cu.ft.1 diskette ; inventory available. *Source:* Department of Veterans Affairs, Chief, Information Section, RDCC. *Contents Description:* Disk with "zipped" version of the NTIS format submission for FY 93 VA funded human studies. Included is sample of data, with various fields marked. *Descriptors:* Department of Veterans Affairs (DVA).

**VA-092994-A** 1 document; 0.015 cu.ft. *Source:* Department of Veterans Affairs, Deputy Assistant General Counsel. *Contents Description:* Minutes from the Veterans' Advisory Committee on Environmental Hazards, summary of April 1994 Meeting of the Advisory Committee, re: gives some abstracts and bibliographies of studies related to radiation and human exposure for 1992-93. *Descriptors:* Atomic Tests; Experimental Methods; Experiments; Medical Therapies; Research--Therapeutic; Scientific Data; Department of Veterans Affairs (DVA).

**VA-100494-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Research Service. *Contents Description:* List of VAMCs receiving the most funding for intramural human subjects research. *Descriptors:* Agency Histories; Human Subjects; Radiation--Ionizing; Research--Therapeutic; Department of Veterans Affairs (DVA).

**VA-100494-B** 1 binder; 0.3 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Contents Description:* Human radiation experimentation report to congress by the VA for the years of 1969-1970. This is simply an index of experiments, their location, and the principal investigator. The information was drawn from the annual Veterans Administration submissions to the chairman of the Committee on Veterans' Affairs of the House of Representatives. *Descriptors:* Agency Histories; Experiments; Records; Veterans Administration (VA).

**VA-101394-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Contents Description:* Memo from VA chief of staff to inspector General requesting assistance in locating relevant documents. *Descriptors:* Agency Histories; Records; Department of Veterans Affairs (DVA).

**VA-101994-A** 1 folder; 0.25 cu.ft.; inventory available. *Source:* Richard Pell (Department of Veterans Affairs). *Collection:* Suitland FRC. *Contents Description:* Correspondence and reports (1940's and 1950's). Folder Summaries. *Descriptors:* Agency Histories; Department of Veterans Affairs (DVA).

**VA-101994-B** 3 documents; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Contents Description:* Information updating the DVA attempts at locating TBI experiments, lists institutions and present status of search. *Descriptors:* Agency Histories; Records; Department of Veterans Affairs (DVA).

**VA-102094-A** 1 folder; 0.01 cu.ft.; inventory available. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Info regarding search conducted by key field sites. *Descriptors:* Agency Histories; Department of Veterans Affairs (DVA).

**VA-102594-A** 1 document; 1 cu.ft.; inventory available. *Source:* Richard Pell (Department of Veterans Affairs). *Collection:* WNRC. *Contents Description:* Study records, correspondence, folder summaries. *Descriptors:* Agency Histories; Department of Veterans Affairs (DVA).

**VA-102794-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Contents Description:* GC comments on ACHRE staff memorandum (to ACHRE) on radiation exposure compensation programs. *Descriptors:* Agency Histories; Records; Department of Veterans Affairs (DVA).

**VA-103194-A** 2 folders; 1 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Collection:* WNRC. *Contents Description:* The DVA has sent the ACHRE an index of what they have reviewed called human radiation records review folder summaries. The index gives a short annotation of the contents of each box searched at Suitland and the box and folder number. The DVA has also sent documents that are identified as potentially useful to ACHRE, these are listed in the accession contents. *Descriptors:* Agency Histories; Records; Experiments; Grants/Grantees; Radiation--Ionizing; Research--Therapeutic; Department of Veterans Affairs (DVA).

**VA-110394-A** 1 document; 0.02 cu.ft. *Source:* Rich Pell (Department of Veterans Affairs). *Contents Description:* VA's response to ACHRE staff request for a list of Universities that may have conducted human radiation experiments with DVA involvement. *Descriptors:* Records; Department of Veterans Affairs (DVA).

**VA-112394-A** 2 documents; 0.06 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Contents Description:* Two reports on research programs: -Department of Medicine and Surgery, Veterans Administration. "Program Guide Research Service, Administrative Assistant to Associate Chief Of Staff For Research." Washington, D.C. 5/1/67. G-4, M-3, Part I -Research Service, Department of Medicine and Surgery, Veterans Administration, Washington, D.C. "Medical Research Program 1966, Synopsis." . *Descriptors:* Agency Histories; Records; Research--Therapeutic; Department of Veterans Affairs (DVA); Veterans Administration (VA).

**VA-121694-A** 3 documents; 0.01 cu.ft.; inventory available. *Source:* Rich Pell (Department of Veterans Affairs). *Contents Description:* Response to request #120594-B and 120994-A. May 1967 version of VA Form 10-1086. Also copy of DM&S Circular 10-64-136. Circular 10-63-176, "FDA Regulations - Prior Consent of Patients for Use of Investigational Drugs". *Descriptors:* Guidelines/Regulations; Department of Veterans Affairs (DVA).

**VA-010395-A** 1 folder; 0.6 cu.ft. *Source:* Department of Veterans Affairs, Deputy Chief of Staff. *Contents Description:* Consent forms from various VA hospitals for the use of human research subjects. *Descriptors:* Consent; Consent--Written; Consent Forms; Experimental Methods; Experiments; Guidelines/Regulations; Department of Veterans Affairs (DVA).

**VA-010395-B** 17 documents; 0.1 cu.ft. *Source:* Tor Yalow (Department of Veterans Affairs). *Collection:* Bronx VAMC. *Contents Description:* Publications by Yalow, bibliography, abstracts of progress reports for Bronx radioisotope unit, and 1948 Advisory Committee recommendations. *Descriptors:* Medical Diagnosis; Medical Equipment; Medical Laboratories; Medical Therapies; Radiation--Ionizing; Department of Veterans Affairs (DVA); V. A. Hospital (Bronx New York).

**VA-011395-A** 1 document; 0.01 cu.ft. *Source:* Rich Pell (Department of Veterans Affairs). *Contents Description:* Letter: Chief Medical Director's Letter No. 63-5, to Area Medical Directors, Area Medical Offices, Directors of VA

Hospitals, and VA Outpatient Clinics, and Managers of Regional Offices with Outpatient Clinics; From H. Martin Engle, M.D. Acting Chief Medical Director. Re: FDA Regulations for Investigation of Pharmaceuticals. dated 03/13/63. *Descriptors:* Guidelines/Regulations; Human Subjects; Department of Veterans Affairs (DVA); Veterans Administration (VA).

**VA-020695-A** 20 documents; 0.06 cu.ft.; inventory available. *Source:* Department of Veterans Affairs, Inspector General's Office. *Contents Description:* Documents from George Lyon's personnel file and from papers handed down to Lyon's family. (See accession contents for a document by document index) *Descriptors:* Atomic Tests; Atomic Tests--Troop Participation; Experimental Methods; Experiments; Guidelines/Regulations; Radiation-- Ionizing; Weapons Effectiveness; Weapons Research; Navy (DOD/USN); Veterans Administration (VA).

**VA-021695-A** 1 document; 0.01 cu.ft. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Response to ACHRE request no. 012795-D, Public Access to Agency Information Relating to Human Radiation Experimentation. *Descriptors:* Experiments; Human Subjects; Public Access; Radiation--Ionizing; Records; Department of Veterans Affairs (DVA).

**VA-021795-A** 1 folder; 0.025 cu.ft.; inventory available. *Source:* Richard Pell (Department of Veterans Affairs). *Contents Description:* Response to information request of 10/25/94 concerning human experimentation conducted at institutions affiliated with the VA. *Descriptors:* Consent; Experiments; Human Subjects; Research--Nontherapeutic; Research--Therapeutic; University Research; Case Western Reserve University; Department of Veterans Affairs (DVA); Harvard Medical School; University of California - San Francisco (UCSF); University of Cincinnati; University of Michigan; University of Rochester; University of Washington; Vanderbilt University.

**VA-031395-A** 1 document; 0.01 cu.ft. *Source:* Richard Pell, Jr. (Department of Veterans Affairs). *Contents Description:* Written response to ACHRE request no. 030295-C. *Descriptors:* No descriptors.

**VA-033095-A** 1 document; 0.01 cu.ft. *Source:* Department of Veterans Affairs, Office of the Secretary. *Contents Description:* Written response to request VA # 031395-E. *Descriptors:* Biological Effects; Experiments; Radiation--Ionizing; Department of Veterans Affairs (DVA).

**VCU-072594-A** 1 folder; 0.1 cu.ft. *Source:* Virginia Commonwealth University, News Bureau. *Contents Description:* Testimony of Dr. Eugene P. Trani President of Virginia Commonwealth University, before ACHRE July 25, 1994. Also other related documents are included in the packet. *Descriptors:* Experimental Methods; Experiments; Human Subjects; Media Relations.

**VCU-072894-A** 1 document; 0.01 cu.ft. *Source:* Virginia Commonwealth University, University News Services. *Contents Description:* Index of the papers of Dr. B.W. Haynes. *Descriptors:* Records.

**VCU-112194-A** 21 documents; 0.08 cu.ft. *Source:* Elance Jones (Virginia Commonwealth University). *Contents Description:* Documents concerning the MCV radiation burns experiments on prisoners during the 40's and 50's. Organizational list of the papers of Dr. B. W. Haynes is included, along with correspondence between the researchers and the Virginia Dept. of Welfare and Institutions and the State Penitentiary. *Descriptors:* Consent; Experimental Methods; Experiments; Guidelines/Regulations; Human Subjects; Prisoners; Radiation--Ionizing; Radiation Injury; Research--Therapeutic; University Research.

**VCU-012595-A** 1 folder; 0.2 cu.ft. *Source:* Virginia Commonwealth University, Archives Department. *Collection:* Tompson-McCaw Library. *Contents Description:* Group of documents retrieved from MCV special collections, pertaining to burn experiments with local prisoners. *Descriptors:* Human Subjects; Prisoners; Radiation--Ionizing; Atomic Energy Commission (AEC).

**VU-120794-A** 1 document; 0.1 cu.ft.; inventory available. *Source:* Jeff Carr (Vanderbilt University). *Contents Description:* Appendix to Memorandum Of Law In Support of Defendants' Motion to Decertify. Emma Craft, et al. Plaintiffs v. Vanderbilt University, et al. Defendants. No. 3-94-0090. *Descriptors:* Human Subjects; Law & Legal Issues; Vanderbilt University.

**WASH-081294-A** 2 documents; 0.01 cu.ft. *Source:* State of Washington, Office of Radiation Protection. *Contents Description:* Memorandum from Ed Bricker to "Al Conklin" regarding Prisoner Experiments, dated 06/10/94, 1 pg. (A second copy of the document has several of the prisoners' names deleted. It is unclear when and from whom ACHRE received this document.) *Descriptors:* No descriptors.

**WASH-112294-A** 12 documents; 0.02 cu.ft. *Source:* State of Washington, Archives and Records Management Division. *Collection:* Washington State Governor Daniel J. Evans file: Social and Health Services Dept., Corrections, X-Ray Irradiation, 1976, Box 2s-2-1122. *Contents Description:* Memo's, reports, and records regarding the experiments at the Penitentiary by C. Alvin Paulsen of the University of Washington Medical School. circa late 60's. *Descriptors:* Consent; Experiments; Human Subjects; Informed Consent; Law & Legal Issues; Methods and Techniques; Prisoners; Radiation--Ionizing; Records; Research --Therapeutic; Spermatogenesis; Wright Patterson Medical Center.

**WASH-120194-A** 3 documents; 0.02 cu.ft. *Source:* State of Washington, Department of Social and Health Services. *Contents Description:* Review of a report on Green Run called "Dissolving of Twenty Day Metal at Hanford," by

Allen Conklin of the Office of Radiation Protection, May 8, 1989. Conklin reviews material released in 1989 by the DOE on the releases at Hanford. *Descriptors:* Experiments; Fallout; Green Run; Intentional Releases; Privacy Act; Radiation--Ionizing; Releases of Radioactivity.

**WVU-021795-A** 1 document; 0.02 cu.ft. *Source:* West Virginia University, Institute of Occupational and Environmental Health. *Contents Description:* Journal Article: Henry L. Haines and J. Donald Harris. "Aerotitis Media in Submariners." Ch. 31 of Annals of Otolarymology and Laryngology 55: 347-71 (1946). Re: Nasopharyngeal radium. *Descriptors:* Biological Effects; Human Subjects; Medical Diagnosis; Medical Therapies; Military Activities; Radiation--Ionizing; Research--Nontherapeutic; Scientific Data; Scientific Equipment; Scientific Method.

## SUBJECT INDEX

The first section is a listing of the subject headings used, followed by the Subject Index.

49
Advisory Committee on Biology and Medicine (AEC/ACBM)
Advisory Committee On Human Radiation Experiments
Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Allocation and Distribution
Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Human Applications
Aebersold, Paul C.
Agency for International Development
Agency Histories
Air Force Special Weapons Center (AFSWC/USAF)
Air Force (DOD/USAF)
American Institute of Phyics (AIP)
Ames Research Center (NASA)
Andrews, Gould
Animal Experimentation
Argonne National Laboratory (DOE/ANL)
Argonne National Laboratory (DOE/ANL): Cancer Hospital
Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology
Armed Forces Medical Policy Council (DOD/OSD/AFMPC)
Armed Forces Radiobiology Research Institute (DOD/DNA/AFRRI)
Armed Forces Special Weapons Project (DOD/AFSWP)
Army (DOD/USA)
Atomic Bomb Casualty Commission (ABCC)
Atomic Energy Commission (AEC)
Atomic Tests
Atomic Tests--Troop Participation
Bale, William
Battelle Memorial Institute (Battelle)
Baylor University
Beryllium
Bierman, H. (Harry) R.
Bikini Atoll
Biological Effects
Boston University
Brookhaven National Laboratory (DOE/BNL)
Brooks Air Force Base (DOD/USAF)
Brues, Austin
Burch, George
Bureau of Medicine and Surgery (DOD/USN/BUMED)
Bush, Vannevar
CAL 1 2 or 3
Case Western Reserve University
Centers for Disease Control and Prevention (PHS/CDC)
Central Intelligence Agency
Chemical Corps (DOD/USA/CC)
CHI 1 2 or 3
Children
Cincinnati Experiments
Citations
Classified Research
Clinton Laboratory (War/CE/MED)
Cloud Sampling
Committee on Medical Research (EOP/OSRD/CMR)
Commonwealth of Massachusetts
Conard, Robert
Congress
Congressional Research Service (LC/CRS)
Consent
Consent--Written
Consent Forms
Consumer Product Safety Commission
Contract Laboratories
Contracts/Contractors
Cooney, James
Corporation
Crocher Laboratory
Defense Atomic Support Agency (DOD/DASA)
Defense Nuclear Agency (DOD/DNA)
Department of Agriculture
Department of Defense
Department of Defense (DOD): Armed Forces Radiobiology Research Institute (AFRRI)
Department of Defense (DOD): Armed Forces Special Weapons Project (ARSWP)
Department of Defense (DOD): Defense Atomic Support Agency (DASA)
Department of Defense (DOD): Defense Nuclear Agency
Department of Defense (DOD): Office of the Secretary of Defense
Department of Defense (DOD): Research and Development Board
Department of Education
Department of Energy
Department of Health and Human Services
Department of Health Education and Welfare (DHEW)
Department of Justice
Department of the Interior
Department of Transportation
Department of Veterans Affairs

Disclosure
Division of Biology and Medicine (AEC/DBM)
Division of Biomedical and Environmental Research (AEC)
Division of Military Application (AEC/DMA)
Dose Reconstruction
Dugway Proving Ground (DOD/DPG)
Dunham, Charles L.
Durbin, Patricia
Dyer, R. E.
Eisenbud, Merrill
Energy Research and Development Administration (ERDA)
Enewetak
Environmental Protection Agency
Equipment
Ethical Guidelines
Ethical Policies
Ethical Standards
Ethics
Evans, Robley
Experimental Equipment
Experimental Methods
Experiments
Failla, G.
Fallout
Fallout Countermeasures
Federal Laboratories
Federal Security Agency (FSA)
Fermi Laboratory
Fidler, Harold
Flash Blindness
Friedell, Hymer
Gallagher, N.
General Accounting Office (GAO)
General Electric Co.: Biology Laboratory
George Washington University
Goddard Space Flight Center (NASA/GSFC)
Grants/Grantees
Green Run
Gregg, Alan
Groves, Leslie
Guidelines/Regulations
Hamilton, Joseph
Hanford Site (Richland Washington)
Harm
Harper Hospital
Harvard Medical School
Harvard University
Helsinki Code
Hempelmann, Louis H.
Holaday, Dennis
Hollaender, Alexander
Huddleson, Edward
Hueper, W. H.
Human Subjects
Idaho National Engineering Laboratory (DOE/INEL)
Individual
Informed Consent
Insurance
Intentional Releases
Interagency Bodies
Interstate Bodies
Interviews
Isotope Licenses
Isotopes Branch (AEC)
Johnson Space Center (NASA)
Joint Committee on Atomic Energy (Congress)
Joint Panel on Medical Aspects of Atomic Warfare (DOD)
Joint Research and Development Board (JRDB)
Ladimer, Irving
Langham, Wright
Law & Legal Issues
Lawrence Berkeley Laboratory (AEC/LBL)
Lawrence Livermore National Laboratory (DOE/LLNL)
Legislation
Libby, Willard F.
Lilienthal, David E.
Long Range Detection
Lorenz, Egon
Los Alamos National Laboratory (DOE/LANL)
Lushbaugh, C. C.
Lyon, George
Manhattan Engineer District (War/CE/MED)
Manned Spacecraft Center (NASA)
Marshall Islands
Massachusetts General Hospital
Massachusetts General Hospital (MGH)
Massachusetts Institute of Technology
Massachusetts Institute of Technology (MIT)
Media Relations
Medical Diagnosis
Medical Equipment
Medical Ethics
Medical Laboratories
Medical Records
Medical Therapies
Meetings
Mentally Ill (subjects)
Methods and Techniques
Military Activities
Military Liaison Committee to AEC (DOD/OSD/MLC)
Miller, Earl
Monitoring
Monsanto Chemical Company
Montefiore Medical Center
Morgan, Karl
M. D. Anderson Hospital (Houston Texas)
National Academy of Sciences
National Advisory Committee on Aeronautics (NACA)
National Aeronautics and Space Administration
National Archives and Records Administration

*Sources and Documentation*

National Archives and Records Administration (NARA)
National Cancer Institute (PHS/NIH/NCI)
National Council on Radiation Protection and Measurements (NCRPM)
National Institute for Arthritis and Metabolic Diseases (PHS/NIH/NIAMD)
National Institutes of Health (NIH)
National Research Council (NAS/NRC)
National Science Foundation
Naval Medical Research Institute (DOD/USN/NMRI)
Naval Radiological Defense Laboratory (DOD/USN/NRDL)
Navy (DOD/USN)
Nevada Test Site (Mercury Nevada)
New England Deaconess Hospital
New York Operations Office (AEC/NYOO)
New York University
Nichols, K. D.
Nickson, J. J.
Northwest Research Foundation
Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA)
Nuclear Regulatory Commission
Nuclear Research
Nuclear Rockets
Nuremberg Codes/Trials
Oak Ridge Associated Universities (ORAU)
Oak Ridge Institute for Nuclear Studies (ORINS)
Oak Ridge National Laboratory (DOE/ORNL)
Occupational Guidelines
Occupational Health
Office of Naval Research (DOD/USN/ONR)
Office of Scientific Research and Development (EOP/OSRD)
Office of the Secretary of Defense (DOD/OSD)
Office of the Surgeon General (PHS/OSG)
Oppenheimer, Robert
Ore Alloy
Oregon State Prison (Selon Oregon)
Pacific Northwest Laboratories (Battelle/PNL)
Parker, Herbert
Physical Measurement
Pickering, John
Plutonium Injections
Pregnant Women
Prisoners
Privacy Act
Private Laboratories
Product
Protection/Shielding
Psychological Effects
Public Access
Public Health Service (PHS)
Public Health Service (PHS): Centers for Disease Control (CDC)
Public Health Service (PHS): Food and Drug Administration (FDA)
Race
Radiation--Ionizing
Radiation--Non-ionizing
Radiation Injury
Radiation Study Section
Radiological Warfare
Reactors
Records
Recruitment
Releases of Radioactivity
Research--Nontherapeutic
Research--Therapeutic
Research and Development Board (DOD/RDB)
Research Ethics
Researchers
Rowland, Robert
Saenger, Eugene
Savannah River
School of Aviation Medicine (DOD/USAF/SAM)
Scientific Data
Scientific Equipment
Scientific Method
Scientific Standards
Scott, Kenneth
Seaborg, Glenn T.
Secrecy
Secretary of Defense--See Office of the
Sloan-Kettering Institute
Smithsonian Institution
Space Flight
Spermatogenesis
Standards
Stanford University
Stannard, J. Newell
State of California
State of Oregon
State of Washington
Stone, Robert
Subject Consent
Subjects
Submarine Medical Research Laboratories (SMRL)
Suppliers/Vendors
Suppression of Uptake of Radioisotopes
Surveys
Telemetry
Teletherapy
Testimony
Texas A&M University
Thorium
Total Body Irradiation
Toxicity
Training
Truth-telling
Tube Alloy

Tulane University
University of California - Berkeley
University of California - Berkeley (UCB): Radiation Laboratory
University of California - Los Angeles
University of California - San Diego (UCSD)
University of California - San Francisco
University of California - San Francisco (UCSF): Hospital
University of Chicago
University of Chicago: Billings Hospital
University of Chicago: Metallurgical Laboratory
University of Cincinnati
University of Michigan
University of Rochester
University of Rochester: Strong Memorial Hospital
University of Tennessee
University of Texas-MD Anderson Cancer Center
University of Utah
University of Washington
University of Wisconsin-Madison
University Research
Uranium Mining/Miners/Milling
Vanderbilt University
Veterans Administration (VA)
Veterans Administration (VA): Atomic Medicine Division
Veterans Administration (VA): Department of Medicine and Surgery
Virginia Commonwealth University
Voluntariness
Volunteers
Vulnerable Populations
V. A. Hospital (Bronx New York)
Walter Reed Army Institute of Research (DOD/USA)
Walter Reed Army Medical Center (DOD/USA/WRAMC)
War Department (War)
Warren, Shields
Warren, Stafford
Washington State Prison (Walla Walla)
Weapons Effectiveness
Weapons Research
West Virginia University
Wilson, Carroll
Wright Patterson Medical Center

## Index of Record Accessions by Subject Headings

**49**
DOE-070795-C
NARA-061395-A

**Advisory Committee for Biology and Medicine (AEC/ACBM)**
CORP-012095-A
DOD-063094-A
DOD-112994-A
DOE-062294-A
DOE-072694-A
DOE-081294-A
DOE-011095-B
DOE-012795-C
DOE-021795-B
DOE-022195-E
DOE-061395-A
DOE-061395-D
DOE-070595-A
IND-101394-B
NARA-122994-A
NARA-010895-A
NARA-020895-A
NARA-061395-B
NARA-070395-A
NRC-060595-A

**Advisory Committee On Human Radiation Experiments**
ACHRE-102094-A
ACHRE-110494-A
ACHRE-111794-A
ACHRE-112294-A
ACHRE-120194-A
ACHRE-021095-A
ACHRE-021095-B
ACHRE-022795-A
ACHRE-030195-A
ACHRE-030395-A
ACHRE-030995-A
ACHRE-030995-B
ACHRE-030995-C
ACHRE-031395-A
ACHRE-033095-A
ACHRE-040495-A
ACHRE-041495-A
ACHRE-041495-B
ACHRE-042195-A
ACHRE-042495-A
ACHRE-042495-B
ACHRE-042795-A
ACHRE-050295-A
ACHRE-050395-A
ACHRE-050495-A
ACHRE-050595-A
ACHRE-050595-B
ACHRE-050895-A
ACHRE-050895-B
ACHRE-051195-A
ACHRE-051795-A
ACHRE-051795-B
ACHRE-060995-A

**Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Allocation and Distribution**
DOE-081594-A
DOE-070595-A

**Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Human Applications**
DOE-081594-A
NARA-122994-B
NRC-060595-A
UCH-040495-A

**Aebersold, Paul C.**
DOE-081594-A
DOE-120994-A
DOE-011895-B
DOE-022195-C
DOE-032195-B
DOE-061395-E
MIT-111794-E

*Sources and Documentation*

NRC-060595-A
UWM-020695-A

**Agency for International Development**
AID-122394-A

**Agency Histories**
BAY-101794-A
BU-062394-A
CIA-081894-A
CIA-081994-A
CIA-091594-A
CIA-110194-A
CON-042694-A
CON-090694-A
CON-091594-A
CON-102194-A
CORP-070194-A
CORP-072194-A
CORP-080494-A
CORP-080494-B
CORP-080894-A
CORP-082294-A
CORP-083194-A
CORP-092694-A
CORP-100394-A
CORP-100594-A
CORP-101194-A
CORP-110994-A
CORP-111794-A
CORP-111894-A
DOD-050294-A
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**American Institute of Phyics (AIP)**
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**Ames Research Center (NASA)**
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**Andrews, Gould**
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**Animal Experimentation**
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**Argonne National Laboratory (DOE/ANL): Cancer Hospital**
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**Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology**
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**Armed Forces Medical Policy Council (DOD/OSD/AFMPC)**
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**Armed Forces Radiobiology Research Institute (DOD/DNA/AFRRI)**
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**Armed Forces Special Weapons Project (DOD/AFSWP)**
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**Battelle Memorial Institute (Battelle)**
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**Baylor University**
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**Bierman, H. (Harry) R.**
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**Burch, George**
HHS-060994-A

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NARA-052295-C

**Bush, Vannevar**
CORP-112394-A
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ORE-110794-A

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**Clinton Laboratory (War/CE/MED)**
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**Committee on Medical Research (EOP/OSRD/CMR)**
NARA-060794-A
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**Commonwealth of Massachusetts**
MASS-071694-A
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**Conard, Robert**
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**Division of Biomedical and Environmental Research (AEC)**
DOE-093094-B

**Division of Military Application (AEC/DMA)**
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**Dunham, Charles L.**
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**Durbin, Patricia**
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**Dyer, R. E.**
MIT-111794-C

**Eisenbud, Merrill**
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**Evans, Robley**
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**Harvard Medical School**
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WVU-021795-A

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UWM-020695-A

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IND-051195-A

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VA-070594-A
MIT-111794-B
WASH-112294-A

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DOD-021795-A
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**Miller, Earl**
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**Morgan, Karl**
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**Radiation--Non-ionizing**
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**Radiation Study Section**
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**Radiological Warfare**
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**Recruitment**
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**Releases of Radioactivity**
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**Research--Nontherapeutic**
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DOD-110894-A
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**Research--Therapeutic**

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**Research Ethics**
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NASA-060794-A

**Rowland, Robert**
CON-090694-A
DOE-022195-B

**Saenger, Eugene**
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**Savannah River**
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**School of Aviation Medicine (DOD/USAF/SAM)**
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**Scientific Equipment**
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**Scientific Method**
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**Scientific Standards**
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**Scott, Kenneth**
DOD-063094-A
DOE-122294-A

**Seaborg, Glenn T.**
ACHRE-120194-A
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UCB-040395-A

**Sloan-Kettering Institute**
DOD-060794-A
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DOD-063095-A

**Smithsonian Institution**
SMITH-120994-A
SMITH-120994-B

**Space Flight**
DOD-012695-D
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NARA-070595-A

**Spermatogenesis**
DOE-120194-D
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IND-072095-D
WASH-112294-A

**Standards**
NARA-101294-A

**Stanford University**
DOE-060794-B
DOE-042495-A
UCLA-082994-A

**Stannard, J. Newell**
DOE-061794-A
DOE-070794-A
DOE-040395-D

**State of California**
CA-012695-A

**State of Oregon**
ORE-110794-A

**State of Washington**
WASH-081294-A
WASH-112294-A
WASH-120194-A

**Stone, Robert**
CIA-020795-A
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UCLA-111094-A
UCH-040495-A

**Subject Consent**
DOD-062194-C

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**Subjects**
IND-030795-A

**Submarine Medical Research Laboratories (SMRL)**
CON-091594-A

**Suppliers/Vendors**
DOE-032495-A

**Suppression of Uptake of Radioisotopes**
DOD-121294-A
DOD-121994-C
DOE-051295-A
NARA-102594-B
NARA-111494-A
ORE-110794-A

**Surveys**
HHS-060994-A
VA-052594-A
VA-061694-A
VA-062894-A
VA-062894-B
NRC-011895-A

**Telemetry**
DOE-120894-C

**Teletherapy**
DOE-081594-A
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DOE-021695-A
DOE-032195-B
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NARA-061395-A
NRC-061495-A

**Testimony**
DOE-042894-F
VA-062094-A
VA-063094-A
IND-091394-B

**Texas A&M University**
TEX-082494-A
TEX-101294-A

**Thorium**
CORP-110994-A
DOE-092694-A
DOE-021495-A

**Total Body Irradiation**
ACHRE-021095-A
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UCIN-103194-A

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NARA-070595-A

**Training**
DOD-102594-A
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VA-090894-A
IND-102194-A
IND-033195-A
NASA-092894-B

NARA-012495-B
NARA-020295-A
NARA-041895-C

**Truth-telling**
CIA-051195-A
CIA-060195-A

**Tube Alloy**
DOE-120994-A
DOE-032495-A
NARA-061395-A

**Tulane University**
DOD-080694-A
DOE-060794-B
DOE-072194-A
DOE-082294-B
NRC-061495-A

**University of California - Berkeley**
DOD-122794-A
DOD-021095-A
DOE-110894-B
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DOE-120994-B
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DOE-060295-B
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NASA-022395-B
UCB-040395-A
UCLA-111094-A

**University of California - Berkeley (UCB): Radiation Laboratory**
DOE-072094-B
DOE-072694-B
DOE-072694-C
DOE-082294-A
DOE-012795-B
DOE-021095-B
DOE-032495-A
DOE-040595-A
DOE-060295-C
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IND-071395-A
UCLA-063094-A
UCLA-111094-A

**University of California - Los Angeles**
DOD-120694-A
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UCLA-090194-A
UCLA-090794-A
UCLA-100794-A
UCLA-101794-A
UCLA-102594-A
UCLA-111094-A
UCLA-121594-A
UCLA-122194-A
UCLA-050895-A

**University of California - San Diego (UCSD)**
DOE-122794-B
UCLA-111094-A

**University of California - San Francisco**
DOE-110894-A
DOE-112194-B
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VA-021795-A
IND-101194-A
IND-071395-A
UCLA-111094-A
UCSF-022495-A

**University of California - San Francisco (UCSF): Hospital**
DOE-072694-B
DOE-072694-C
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UCLA-082994-A

**University of Chicago**
DOD-020695-C
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**University of Chicago: Billings Hospital**
NARA-042295-A
NARA-061395-A

**University of Chicago: Metallurgical Laboratory**
DOD-092894-A
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**University of Cincinnati**
ACHRE-021095-B
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**University of Michigan**
DOE-022195-E
VA-021795-A
MIC-010495-A

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DOD-032795-A
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**University of Rochester: Strong Memorial Hospital**
DOD-122794-A
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**University of Tennessee**
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**University of Texas-MD Anderson Cancer Center**
UTEX-122294-A

**University of Utah**
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**University of Washington**
CORP-042195-A
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**University of Wisconsin-Madison**
UWM-020695-A

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VCU-112194-A

**Uranium Mining/Miners/Milling**
ACHRE-042495-B
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**Vanderbilt University**
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CORP-120294-A
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VA-021795-A
IND-101294-C
VU-120794-A

**Veterans Administration (VA)**
CON-070194-A
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VA-051694-A
VA-052594-A
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VA-071494-A
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IND-031695-A
UCLA-122194-A

**Veterans Administration (VA): Atomic Medicine Division**
VA-082194-A

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VA-071894-A

**Virginia Commonwealth University**
VCU-072594-A
VCU-072894-A
VCU-112194-A
VCU-012595-A

**Voluntariness**
CIA-032395-A
DOD-060994-A
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**Volunteers**
CIA-020695-A
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**Vulnerable Populations**
ACHRE-112294-A
MASS-072194-A
MASS-072194-B
CORP-062994-A
CORP-092694-A
CORP-112294-A
CORP-013095-B
CORP-042195-A

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DOE-040695-E
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NARA-122994-A

**V. A. Hospital (Bronx New York)**
VA-010395-B

**Walter Reed Army Institute of Research (DOD/USA)**
DOD-120194-A
IND-033195-A
NARA-112894-A

**Walter Reed Army Medical Center (DOD/USA/WRAMC)**
DOD-122394-B
DOD-061595-A

**War Department (War)**
CIA-020795-A
DOD-080694-A
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**Warren, Shields**
BU-121594-A
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NARA-070595-A

**Warren, Stafford**
CORP-121694-B
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DOE-022195-E
DOE-022295-C
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DOE-070595-A
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UCLA-100794-A
UCLA-101794-A
UCLA-121594-A

**Washington State Prison (Walla Walla)**
DOE-120194-D
IND-072095-D

**Weapons Effectiveness**
CIA-110194-A
CIA-022795-A
CORP-083194-A
CORP-110894-B
CORP-111694-A
CORP-112294-B
CORP-112394-A
CORP-122094-A
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**Wright Patterson Medical Center**
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DOD-030895-C
WASH-112294-A

# APPENDIX C

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# APPENDIX D

## BRIEF DESCRIPTIONS OF HUMAN RADIATION EXPERIMENTS IDENTIFIED BY ACHRE, AND INDEXES

This appendix presents brief descriptions of the almost 4,000 human radiation experiments identified by the Advisory Committee. The first section explains the elements of a sample record, and the second section--the bulk of the appendix--presents the descriptions themselves. This is followed by four indexes that will help interested readers locate specific records in the main listing:


- Principal Investigator Index (begins at page D193);
- Date Index (begins at page D229);
- Location Index (begins at page D254); and
- Sponsor Index (begins at page D284).

## SAMPLE EXPERIMENT RECORD

The experiment record illustrated here is the brief form used for list reporting; for information on the full data form and series records, see Part IV, Section D of supplemental volume 2.

**PINERN--1950-TH** Pinson, Ernest, Los Alamos National Laboratory (DOE/LANL). *Dates*: 1950. *Title*: The Body Absorption, Distribution, and Excretion of Tritium in Man and Animals (*Citation*: LANL LA-1218 preliminary report, also see "Meeting of Medical and Laboratory Directors of the U.S. AEC" LASL, September 28-29, 1950 (ACHRE DOE-070194-A 0005)). *ACHRE Ref.*: CON-030795-A (Markey B-7), SFS11.001 (123); see also DOE-070194-A-0007.

PINERN--1950-TH ACHRE experiment number. The first particle is (usually) composed of the first three letters of the last name and the first three letters of the first name of the principal invenstigator. 1950 is the date of the experiment. TH represents the first two letters of the title of the experiment. This is frequently enough to identify the experiment uniquely; if not, a sequential number (-1,-2,...) is added at the end.

Pinson, Ernest — The principal investigator.

Los Alamos National Laboratory — Either (a) the principal investigator's institution or, (b) if known, the the location of the experiment, if different from the principal investigator's institution. .

*Dates* — The dates are those for the experiment. These are sometimes multiple (e.g., 1950-1953) and are so used in the ACHRE experiment number. When documentation was analyzed and a range of dates was verified, those were used; frequently, however, agencies reported on an annual basis without documentation; in those cases a record was created for each year, since similarity in investigator, location and title did not justify identity of experiment in the absence of appropriate documentation.

*Title* — This is the title as used in the citation or as reported to ACHRE by the agency.

*Citation* — The citation is a published report of the experiment. This was frequently an agency publication (as here, with an ACHRE Document Collection citation and other references) or journal article (in which case, a copy is part of the ACHRE Publications Collection).

*ACHRE Ref.* — Other, usually unpublished, documentation used by ACHRE to create the record. In this case, the references are to experiments identified by Congressman Markey and to a document supplied by the Department of Energy.

## BRIEF DESCRIPTIONS OF HUMAN RADIATION EXPERIMENTS

**ABBJ--1973-NE** Abbatte, J., VA Hospital (Hines Illinois). Dates: 1973. *Title*: Neutron Irradiation of Walker-256 Tumor and Human Lymphocytes (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABDH--1972-EF** Abdeldayem, H., VA Hospital (Buffalo New York). *Dates:* 1972. *Title*: Effects of Radiation on the Renographic Pattern by Isotopic Techniques (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABEP--1949-CY** Abelson, P.H., Carnegie Institution. *Dates:* 1949. *Title*: Cyclotron-induced Radiation Cataracts (*Citation:* Science 110, December 16, 1949).

**ABTA--1958-DE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1958. *Title*: Determination of Total Blood Iodine Using Radioactivity as Indicator (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1959-AU** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1959. *Title*: Autoradiographic Technique (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1959-DE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1959. *Title*: Determination of Total Blood Iodine Using Radioactivity as Indicator (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1959-MU** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1959. *Title*: Mucoprotein Content of Tissues in Wound Healing (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1959-ST** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1959. *Title*: Study of Sulfur 35-Containing Compounds in Connective Tissue (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1959-WO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1959. *Title*: Wound Healing With C14 Tagged Ascorbic Acid (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1960-AM** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1960. *Title*: Amino Aciduria on Dietary Intakes of Ascorbic Acid (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1960-AU** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1960. *Title*: Auto radiographic Studies of L Ascorbic 1 C 14 Acid to Localize Radio activity in Scar and Distrant Tissue and Intracellular Distribution (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1960-CA** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1960. *Title*: Catabolism of C 14 Tagged Ascorbic Acid Analogs (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1960-CH-01** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1960. *Title*: Chemical Ascorbic Acid Content of Fractionated wound Tissue and Carrageenin Granuloma at Varying Intervals Following Operation and Granuloma Production (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1960-CH-02** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1960. *Title*: Chemical Distribution of Ascorbic Acid in Human Skin Scars and Distant Tissue (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1960-RE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1960. *Title*: Relation of Ascorbic Acid to Glutathione and S H Radicals (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1960-RO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1960. *Title*: Role of Ascorbic Acid in Bone Healing (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1960-WO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1960. *Title*: Wound Healing with Tagged C 14 Ascorbic Acid (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1961-AM** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1961. *Title*: Amino Aciduria and Varying Dietary Intakes of Ascorbic Acid (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1961-CA** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1961. *Title*: Catabolism of Carbon 14 Tagged Ascorbic Acid Analogs (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1961-DE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1961. *Title*: Determination of Degradation of Radioactive Ascorbic Acid (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1961-RE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1961. *Title*: Relation Ascorbic Acid to Glutathione and S H Radicals (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1961-RO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1961. *Title*: Role of Ascorbic Acid in Bone Healing (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1961-TI** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1961. *Title*: Timing of Transfer Flaps in Re constructive Surgery (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1962-DE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1962. *Title*: Determination of Degradation of Radioactive Ascorbic Acid (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1962-RO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1962. *Title*: Role of Ascorbic Acid in Bone Healing (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1964-AS** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1964. *Title*: Ascorbic Acid Studies on Homogenates of Various Tissues and Blood (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1964-RE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1964. *Title*: Relation of Ascorbic Acid to Glutathione and S H Radicals (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1964-RO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1964. *Title*: Role of Ascorbic Acid in Bone Healing (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1965-AS** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1965. *Title*: Ascorbic Acid Studies or Mongenate of Various Tissues and Blood (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1965-RE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1965. *Title*: Relation of Ascorbic Acid to Glutathione and S H Radicals (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1965-RO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1965. *Title*: Role of Ascorbic Acid in Bone Healing (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1966-AS** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1966. *Title*: Ascorbic Acid Studies or Homogenates of Various Tissues and Blood (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1966-RE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1966. *Title*: Relation Ascorbic Acid to Glutathione and SH Radicals (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1966-RO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1966. *Title*: Role of Ascorbic Acid in Bone Healing (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1967-RE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1967. *Title*: Relation to Ascorbic Acid to Glutathione and S-H Radicals (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**ABTA--1968-RE** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1968. *Title*: Relation of Ascorbic Acid to Glutathione and SH Radicals (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ABTA--1968-RO** Abt, A., VA Hospital (Martinsburg West Virginia). *Dates:* 1968. *Title*: Role of Ascorbic Acid in Bone Healing (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**AEHJ--1972-VA** Aehalkett, J., VA Hospital (Boston Massachusetts). *Dates:* 1972. *Title*: VA Cooperative Study in Renovascular Hypertension (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**AINWIL--1967-TR** Ainslie, William H., Metuchen Obstetrical and Gynecologic Group. *Dates:* 1967. *Title*: Treatment of Idiopathic Anovulatory Cycles by X-ray Stimulation. (*Citation:* Journal of the Medical Society of New Jersey, Vol. 64, No. 8, August, 1967).

**ALEJ--1967-RA** Alea, J., VA Hospital (Buffalo New York). *Dates:* 1967. *Title*: Radioisotope Scanning of Liver, Biliary System and Pancreatic Disease (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**ALEN--1956-ST** Alexander, N., VA Hospital (West Haven Connecticut). *Dates:* 1956. *Title*: Studies of the possibilities of a unique cancer cell antigen (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ALEN--1956-TH** Alexander, N., VA Hospital (West Haven Connecticut). *Dates:* 1956. *Title*: The biosynthesis of cholesterol from acetate by human aortic tissue (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ALFC--1967-IR** Alfrey, C., VA Hospital (Houston Texas). *Dates:* 1967. *Title*: Iron Metabolism of Human Bone Marrow in Vitro (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**ALVI--1971-CH** Alvarez, I., VA Hospital (Buffalo New York). *Dates:* 1971. *Title*: Changes in Pulmonary Perfusion and Ventilation After Radiation Therapy (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**ALVI--1972-CH** Alvarez, I., VA Hospital (Buffalo New York). *Dates:* 1972. *Title*: Changes in Pulmonary Perfusion and Ventilation After Radiation Therapy (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**UNKNOWN--1957-DE-02** Unknown, VA Hospital (Hines Illinois). *Dates:* 1957. *Title*: Development of a photographic film technique for displaying an image of the outline of the thyroid gland produced by I 131 (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-03** Unknown, VA Hospital (Chicago Illinois). *Dates:* 1957. *Title*: Determination of C 140 by liquid scintillation (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-04** Unknown, VA Hospital (Chicago Illinois). *Dates:* 1957. *Title*: Determination of cerebrosides (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-05** Unknown, VA Hospital (Chicago Illinois). *Dates:* 1957. *Title*: Development of liquid scintillation counting techniques (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**UNKNOWN--1957-DE-07** Unknown, VA Hospital (Hines Illinois). *Dates:* 1957. *Title*: Development of new type radiation detection system utilizing scintillation phosphor and light detector such as a photo conductor (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-08** Unknown, VA Hospital (Hines Illinois). *Dates:* 1957. *Title*: Development of transistor type amplifier for scintillation or semi conductor pulse detection (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-09** Unknown, VA Hospital (Hines Illinois). *Dates:* 1957. *Title*: Development of transistorized EKG device utilizing a new type of scanning procedure (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-10** Unknown, VA Hospital (Hines Illinois). *Dates:* 1957. *Title*: Development of well type scintillation counter which has a built in pulse height discriminator and plateau selector control (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-11** Unknown, VA Hospital (Ann Arbor Michigan). *Dates:* 1957. *Title*: Development of the method to label serum globulin with high specific activity radio iodine. (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-12** Unknown, VA Hospital (Oklahoma City Oklahoma). *Dates:* 1957. *Title*: Development of a large size scintillation detector for measuring the liver and other body parts (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-DE-13** Unknown, VA Hospital (Oklahoma City Oklahoma). *Dates:* 1957. *Title*: Development of methods for the radioactive destruction of the pituitary gland (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**UNKNOWN--1957-DI-04** Unknown, VA Hospital (Syracuse New York). *Dates:* 1957. *Title*: Direct comparison blood volume by P 32 and Cr 51 tagged RBC methods (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**UNKNOWN--1957-EF-01** Unknown, VA Hospital (Long Beach California). *Dates:* 1957. *Title*: Effect of thyroxine and triiodothyronine on thyroid secretion rate in various thyroid states (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**UNKNOWN--1957-PA-01** Unknown, VA Hospital (Hines Illinois). *Dates:* 1957. *Title*: Participation in the study to evaluate the effect of estrogens on coronary thrombosis (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-PA-02** Unknown, VA Hospital (Louisville Kansas). *Dates:* 1957. *Title*: Paper electrophoresis analysis of soluble proteins fraction of white blood cells. (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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**UNKNOWN--1957-PO** Unknown, VA Hospital (Los Angeles California). *Dates:* 1957. *Title*: Portable x ray unit using radioactive thulium (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

**UNKNOWN--1957-PR-01** Unknown, VA Hospital (Chicago Illinois). *Dates:* 1957. *Title*: Preparative isolation of cerebrosises (No citation). *ACHRE Ref.:* VA-100494-B, VA Human Radiation Research Notebook.

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ABDH--1972-EF

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ABEP--1949-CY

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ABTA--1960-CH-02
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ABTA--1961-AM
ABTA--1961-CA
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ABTA--1961-RE
ABTA--1961-RO
ABTA--1961-TI
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ABTA--1964-AS
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AXLS--1971-TH

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BAIJ--1973-RA
BAIJ--1975-1976-IN

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BAIF--1987-1989-EF

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BAKN--1967-GL
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BAKN--1968-GL
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BARW--1953-DI

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BARH--1956-1958-TO

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BARJ--1960-DA
BARJ--1960-DE

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BART--1953-EV

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BARE--1967-ER
BARE--1968-A

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BARH--1961-PO
BARH--1962-PO
BARH--1963-EF
BARH--1964-EF
BARH--1965-EF
BARH--1965-TE
BARH--1966-EF
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BASSAM--1948-TH

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BASS--1973-RA

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BASREE--1969-EF

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BAYD--1971-PA
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BEAT--1965-DI
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BERS--1960-ST-01
BERS--1960-ST-02
BERS--1961-CO
BERS--1961-ST-01
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BERS--1962-CO
BERS--1962-ST-01
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BERS--1963-ME
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BIGS--1976-SP

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BISR--1959-RA

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BISG--1959-ST

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BLAW--1962-IN
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BLAW--1965-BI
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BLAW--1966-BI
BLAW--1966-IN
BLAW--1967-24
BLAW--1967-EL
BLAW--1967-LO
BLAW--1967-ST
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BLAW--1968-24
BLAW--1968-EL
BLAW--1968-LO
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BLAW--1969-EF
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BLAW--1971-24
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GRER--1962-BI
GRER--1962-ME
GRER--1967-BI
GRER--1967-PR
GRER--1968-BI
GRER--1968-PR
GRER--1969-BI-01
GRER--1969-BI-02
GRER--1969-PR
GRER--1969-ST
GRER--1970-BI-01
GRER--1970-BI-02
GRER--1970-PR
GRER--1970-ST

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GREL--1970-IS

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HAHH--1972-NE

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HAHK--1969-NE
HAHK--1970-NE

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HAIJ--1965-FA
HAIJ--1966-FA

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HALE--1968-ME

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HALJ--1962-SU
HALJ--1967-A
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HALJ--1968-A
HALJ--1968-EF
HALJ--1968-TH
HALJ--1969-A
HALJ--1969-EF
HALJ--1971-A
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HALC--1959-ST
HALC--1960-EF
HALC--1960-ST
HALC--1961-SA
HALC--1961-ST
HALC--1962-ST
HALC--1967-PL

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HAYH--1971-ME

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HAYMAR--1968-PR
HAYMAR--1968-ST
HAYMAR--1968-TH
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HAYMAR--1969-ST
HAYMAR--1969-TH-01
HAYMAR--1969-TH-02
HAYMAR--1970-PR
HAYMAR--1970-ST
HAYMAR--1970-TH-01
HAYMAR--1970-TH-02
HAYMAR--1971-EF
HAYMAR--1971-IN
HAYMAR--1971-PR
HAYMAR--1971-TH
HAYMAR--1972-EF
HAYMAR--1972-IN
HAYMAR--1972-RE
HAYMAR--1972-ST-01
HAYMAR--1972-ST-02
HAYMAR--1972-TH
HAYMAR--1973-PR
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HEIH--1960-CA-02
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HEIH--1961-CO
HEIH--1961-IM
HEIH--1961-MU
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HEIH--1962-IM
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HENW--1968-SE

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HENG--1967-DN
HENG--1967-ES
HENG--1967-HU
HENG--1967-SO
HENG--1967-ST
HENG--1967-TH
HENG--1968-DE
HENG--1968-DN
HENG--1968-ES
HENG--1968-HU
HENG--1968-SO
HENG--1968-ST
HENG--1968-TH
HENG--1969-DN
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HENE--1968-TH
HENE--1969-EF
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HING--1959-EX
HING--1959-PU
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HLAC--1963-SO
HLAC--1963-TH
HLAC--1964-BI
HLAC--1964-SO
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HOFB--1969-RA
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HOFB--1971-RA

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HOOJ--1971-TH
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HOOJ--1972-TH
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HORJ--1970-QU-01
HORJ--1970-QU-02
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HSUJ--1967-TH

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HUD--1957-NU

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HUFR--1959-IS

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IMAJ--1964-AN
IMAJ--1964-EF
IMAJ--1964-GL
IMAJ--1964-ME
IMAJ--1964-PH
IMAJ--1964-ST-01
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IRVC--1967-PU
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JOHA--1967-LA
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JOHA--1968-RE
JOHA--1969-LA
JOHA--1970-CA
JOHA--1970-GA-01
JOHA--1970-GA-02
JOHA--1970-LA
JOHA--1970-MO
JOHA--1971-CA
JOHA--1971-GA-01
JOHA--1971-GA-02
JOHA--1971-LA
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JOHP--1958-CO
JOHP--1958-DE
JOHP--1958-EF
JOHP--1958-IN-01
JOHP--1958-IN-02
JOHP--1958-ME
JOHP--1958-RE
JOHP--1958-ST
JOHP--1958-TH
JOHP--1958-TO
JOHP--1959-DE
JOHP--1959-EF-01
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JUDPHI--1972-1973-PH

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JUNC--1968-PH
JUNC--1969-ID
JUNC--1969-IN
JUNC--1969-LI
JUNC--1969-NA
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JUNC--1970-ID
JUNC--1970-LI
JUNC--1970-NA
JUNC--1970-SU
JUNC--1971-ID
JUNC--1971-LI
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JUNC--1972-ID
JUNC--1972-LI
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JUNC--1973-LI
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KAMH--1959-MI
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KAMH--1967-FE
KAMH--1967-FO
KAMH--1967-ME
KAMH--1967-MI
KAMH--1967-TP
KAMH--1968-FE
KAMH--1968-FO
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KANO--1962-SC
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KANO--1963-FL
KANO--1963-SC
KANO--1963-UL
KANO--1964-FL
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KAPE--1967-DE
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KEYW--1960-NE
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KIRW--1962-SA
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KIRW--1964-SA
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KIRI--1963-RA
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**Knorpp, C.**
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**Knowlton, Norman**
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KORD--1959-EV
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KORD--1960-EL
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KORD--1960-OR-02
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KORD--1961-EL
KORD--1961-FE
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**Lapine, T. J.**
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**Larkin, Edward**
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**Lay, E. Richard**
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LEACAR--1969-1973-EN
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LEAW--1960-TH-03
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LEEN--1960-ST
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**Lefken, E.**
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**Leins, P.**
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**Lerner, S.**
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**Leroy, George**
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**LeVan, J.**
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**Leverett, S. D.**
LEVES--1968-TH

**Levine, M.**
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LEVM--1967-EF
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QUAM--1966-T
QUAM--1967-RE-01
QUAM--1967-RE-02
QUAM--1967-T3
QUAM--1968-RE-01

QUAM--1968-RE-02
QUAM--1968-T2

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RABJ--1958-AN
RABJ--1958-BI
RABJ--1958-CA-01
RABJ--1958-CA-02
RABJ--1958-ST-01
RABJ--1958-ST-02
RABJ--1958-ST-03
RABJ--1959-BI-01
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RABJ--1960-IS
RABJ--1960-LI
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RABJ--1962-IS
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RABJ--1962-LO
RABJ--1963-IS
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RABJ--1965-A
RABJ--1965-EF
RABJ--1965-LO
RABJ--1966-A
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RABJ--1966-EF
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RABJ--1967-CA
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RABJ--1967-EF-02
RABJ--1967-EL
RABJ--1967-FA
RABJ--1967-ID
RABJ--1967-IO
RABJ--1967-ST
RABJ--1967-TH
RABJ--1968-AU
RABJ--1968-FA
RABJ--1968-ID
RABJ--1968-ST
RABJ--1969-FA
RABJ--1969-ID
RABJ--1969-RE
RABJ--1969-ST
RABJ--1971-ST
RABJ--1971-TH
RABJ--1972-CO
RABJ--1972-DE
RABJ--1972-TH
RABJ--1973-TH

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RACE--1972-HA

**Radin, N.**
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RADN--1958-ST
RADN--1959-DE

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RADC--1963-RA

**Raisz, L.**
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RAIL--1958-TH

**Rall, J. E.**
RALJ--1953-DO
RALJ--1966-EL

**Rambaut, Paul C.**
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RAME--1968-UP

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RAWRUL--1948-EF

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REDJ--1968-ST
REDJ--1969-ST

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REDL--1968-CL

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REIR--1960-P

**Reif, Arnold E.**
REIARN--1964-1974-TU

**Reilly, William A.**
REIWIL--1950-CA
REIWIL--Unknown-TH

**Reilly, W.**
REIW --1960-ME
REIW--1959-CO
REIW--1959-TU
REIW--1959-TY
REIW--1960-TU
REIW--1960-TY
REIW--1961-AP
REIW--1961-ME
REIW--1961-TY
REIW--1962-AP
REIW--1962-ME
REIW--1962-TY
REIW--1963-AP
REIW--1963-ME
REIW--1963-TY
REIW--1964-AP
REIW--1964-ME
REIW--1964-TY
REIW--1965-AP
REIW--1965-ME
REIW--1965-TY
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REUP--1973-99

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RICC--1967-CH
RICC--1967-EF
RICC--1967-HE
RICC--1967-ST
RICC--1967-UL
RICC--1968-CH
RICC--1968-EF
RICC--1968-HE
RICC--1968-UL
RICC--1969-EF-01
RICC--1969-EF-02
RICC--1969-HE
RICC--1970-EF
RICC--1970-HE
RICC--1971-EF
RICC--1971-HE
RICC--1972-EF

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RICHC--1962-CO
RICHC--1962-RA
RICHC--1965-GR
RICHC--1966-MO
RICHC--Unknown-LO

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RICROB--1970-CH

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**Risser, J.**
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**Rivera, J.**
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RIVJ--1970-MU
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ROGH--1957-OP
ROGH--1958-OP

**Rollman, Hilda**
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ROLHIL--1951-SE

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**Roper, ??**
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ROSR--1964-A
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ROSH--1965-BI
ROSH--1966-BI

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**Ross, S.**
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ROSS--1966-HI

**Roswit, Bernard**
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ROSB--1957-HO
ROSB--1957-MO
ROSB--1957-RA
ROSB--1957-RO
ROSB--1957-TR
ROSB--1958-CR
ROSB--1958-HO
ROSB--1958-MO
ROSB--1958-RA
ROSB--1958-RO
ROSB--1958-TR
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ROSB--1959-RA
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ROSB--1960-RA
ROSB--1961-MO
ROSB--1964-RA-01
ROSB--1964-RA-02
ROSB--1964-SO
ROSB--1965-RA-01
ROSB--1965-RA-02
ROSB--1965-SO
ROSB--1966-SO

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ROTS--1960-AN

**Rothfeld, B.**
ROTB--1967-BR
ROTB--1967-CO
ROTB--1967-ST
ROTB--1968-A
ROTB--1968-BR
ROTB--1968-EV
ROTB--1968-ST
ROTB--1969-EV
ROTB--1971-DO
ROTB--1972-DO

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ROTM--1958-AN
ROTM--1958-CI
ROTM--1958-EF
ROTM--1958-TR
ROTM--1963-FA
ROTM--1964-FA
ROTM--1965-FA
ROTM--1966-FA
ROTM--1967-FA
ROTM--1968-FA
ROTM--1969-FA
ROTM--1970-FA
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ROTM--1972-FA
ROTM--1972-ME

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ROUG--1967-UR

**Rowland, Robert**
ROWROB--1959-TH
ROWROB--1974-PL

**Royster, R. Lewis**
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**Rozear, M.**
ROZM--1968-DE

**Rudolph, G.**
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RUDG--1957-EF
RUDG--1957-SE
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RUDG--1958-TR

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RUEW--1958-TH
RUEW--1958-TI

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**Rupe, C.**
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**Salmon, W.**
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SALW--1967-HO
SALW--1967-UR-01
SALW--1967-UR-02
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SALW--1968-HO
SALW--1968-UR-01
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**Samachson, Joseph**
SAMJOS--Unknown-UR

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SAME--1973-ME

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**Sanders, L.**
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**Sasahara, A.**
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SASA--1968-DI
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**Sauerbrunn, B.**
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SAUB--1967-PI
SAUB--1968-PI
SAUB--1969-PI
SAUB--1970-PI
SAUB--1970-SK
SAUB--1971-CO
SAUB--1971-PI
SAUB--1971-SK
SAUB--1972-CO
SAUB--1972-PI
SAUB--1972-SK
SAUB--1973-CO

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SCHW--1959-FA
SCHW--1959-SI

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**Schneider, Victor S.**
SCHVIC--1973-1974-TH

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SCHP--1969-GL
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SCHM--1971-LI

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SCHS--1967-ME
SCHS--1968-ME
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SCHS--1970-ME
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SCHALA--1968-SU

**Schuching, S.**
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SCHS--1959-AN
SCHS--1959-C1
SCHS--1959-GO
SCHS--1959-TR-01
SCHS--1959-TR-02
SCHS--1960-AU
SCHS--1960-SY-01
SCHS--1960-SY-02
SCHS--1960-TR
SCHS--1964-IN
SCHS--1967-GL
SCHS--1967-IN
SCHS--1967-SY
SCHS--1969-RO
SCHS--1969-SY
SCHS--1971-RO

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SCHA--1967-TH
SCHA--1968-TH

**Scott, H. William**
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**Scott, J.**
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SCOK--1961-PL

**Scott, K. G.**
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**Scott, W.**
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SEAG--1960-EF
SEAG--1961-EF
SEAG--1963-PH
SEAG--1964-PH
SEAG--1964-RA
SEAG--1965-PH
SEAG--1965-RA
SEAG--1966-PH
SEAG--1966-RA
SEAG--1967-GL
SEAG--1967-IN
SEAG--1967-ME
SEAG--1967-NE
SEAG--1967-PH
SEAG--1968-ME
SEAG--1969-IN
SEAG--1969-ME
SEAG--1970-IN
SEAG--1970-ME

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**Segreto, Vincent**
SEGVIN--1971-PA

**Seidlin, S.M.**
SEIS--1954-BL

**Selby, J.**
SELJ--1967-EV
SELJ--1967-VA-01
SELJ--1967-VA-02
SELJ--1968-EV
SELJ--1968-VA-01
SELJ--1968-VA-02
SELJ--1969-ME
SELJ--1969-SE
SELJ--1969-VA-01
SELJ--1969-VA-02
SELJ--1969-VA-03
SELJ--1971-ME
SELJ--1971-SE
SELJ--1971-VA-01
SELJ--1971-VA-02
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**Selzer, Robert H.**
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SELROB--1984-1985-A

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SEVG--1959-DE-01
SEVG--1959-DE-02
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SHAA--1959-FU

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SHAB--1966-IO

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SHER--1969-ST
SHER--1970-ST
SHER--1971-ST

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SHEM--1959-CH

**Shield, Charles**
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**Shipley, R.**
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SHIR--1957-TH-01
SHIR--1957-TH-02
SHIR--1958-TH

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SIEL--1969-TP
SIEL--1970-MI
SIEL--1970-TP

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SIEJ--1967-SC

**Sigdestad, Curtis**
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SIGCUR--1972-TH

**Silberstein, E.**
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SILE--1973-TH

**Silverman, S.**
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SILVS--1953-RA

**Singer, F.**
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**Skinner, S.**
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SKOA--1958-TH

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SLID--1967-FO
SLID--1967-TH-01
SLID--1967-TH-02
SLID--1967-TH-03
SLID--1967-TH-04
SLID--1968-FO
SLID--1968-TH-01
SLID--1968-TH-02
SLID--1969-FO
SLID--1970-FO
SLID--1971-FO
SLID--1972-FO
SLID--1972-RE

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SMAM--1967-CL
SMAM--1968-CL
SMAM--1968-CO
SMAM--1969-CL
SMAM--1969-CO
SMAM--1970-CL
SMAM--1971-CO
SMAM--1972-CO

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**Smith, C.**
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SMIC--1969-EA
SMIC--1970-EA

**Smith, Everett**
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**Smith, F.**
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**Smith, Malcolm C.**
SMIMAL--1973-1975-NU

**Smith, Robert E.**
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SMIROB--1944-ME-01
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SMIR--1968-ES

**Smith, W.**
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SMIW--1960-DE
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**Snyder, W.S.**
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**Sode, J. E.**
SODJ--1962-TO
SODJ--1972-WH

**Soldo, A.**
SOLA--1965-EF
SOLA--1966-EF
SOLA--1971-BI
SOLA--1971-EF
SOLA--1971-NU
SOLA--1971-UT

**Sorrentino, Joseph**
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**Sostre, Samuel**
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**Spar, Irving L.**
SPAIRV--1972-TH

**Sparagana, M.**
SPAM--1967-TE

**Spears, Colin Paul**
SPECOL--1972-1973-UN

**Spencer, Herta**
SPEHER--Unknown-ME

Spencer, R. P.
SPER--1956-RE
SPER--1957-PO
SPER--1957-SE
SPER--1957-TH
SPER--1958-CI
SPER--1958-TH

**Spolter, L.**
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SPOL--1968-ST

**Spraragen, S.**
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**Staff, Clinical**
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**Starnes, W.**
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**Staub, A.**
STAA--1958-TH

**Staub, R.**
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STAR--1970-SE
STAR--1971-CA
STAR--1971-EV
STAR--1972-75
STAR--1972-EV

**Stauffer, M.**
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STAM--1967-PA
STAM--1968-EV
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**Stazl, T.**
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STAT--1960-EF-02

**Stefani, S.**
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STES--1966-PH

**Stein, J.**
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STEJ--1958-AT
STEJ--1958-BO
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**Stein, T. P.**
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**Steinbach, J.**
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**Sterling, Kenneth**
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**Sterling, K.**
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**Stern, B.**
STEB--1960-BI

**Stevens, Kingsley**
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**Stevenson, J.S.**
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**Stidworthy, G.**
STIG--1965-ST
STIG--1966-ST

**Stiff, D.**
STID--1960-CO
STID--1961-PB

**Stone, Robert**
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STOROB--1958-PA

**Storey, Clifford**
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**Straight, R.**
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**Straub, K.**
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**Stremple, J.**
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**Strickland, G.T.**
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**Strickland, R.**
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**Stuart, Charles A.**
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**Swinth, K.L.**
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SZCM--1958-ST

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**Talbert, J.**
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TALJ--1968-QU
TALJ--1968-RA

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**Taylor, K.**
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**Thomas, J.W.**
THOJ--Unknown-EV

**Tobias, Cornelius**
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**Tornyos, K.**
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TORK--1971

**Toro-Goyco, E.**
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TORE--1967-BE
TORE--1967-ID-01
TORE--1967-ID-02
TORE--1967-IS
TORE--1967-ST
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TORE--1968-IS
TORE--1968-ST
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TORE--1970-ID
TORE--1970-IS
TORE--1970-ST

**Towbin, E.**
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**Towne, J.**
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TOWJ--1960-ST
TOWJ--1961-AQ
TOWJ--1961-DE
TOWJ--1961-ST
TOWJ--1962-AQ
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TOWJ--1963-ME
TOWJ--1963-ST
TOWJ--1964-ME
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TOWJ--1965-ME
TOWJ--1965-ST
TOWJ--1966-ME
TOWJ--1966-ME-02
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TOWJ--1967-AM
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**Trier, J.**
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**Trier, P.**
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**Trow, R.**
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**Trubowitz, S.**
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**Tubis, M.**
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TUBM--1968-I
TUBM--1968-RA
TUBM--1968-TO
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TUBM--1969-TO
TUBM--1970
TUBM--1971-EV
TUBM--1971-IN
TUBM--1971-RA
TUBM--1971-TC-01
TUBM--1971-TC-02
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TUBM--1972
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TUBM--1973-TC
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TURJ--1963-CU
TURJ--1963-IM
TURJ--1963-RA-01
TURJ--1963-RA-02
TURJ--1963-RE
TURJ--1963-RO
TURJ--1963-TY
TURJ--1964-EV
TURJ--1964-IM
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TURJ--1964-RO
TURJ--1964-TY
TURJ--1965-EV
TURJ--1965-RO
TURJ--1965-TY
TURJ--1966-EV
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**Tyor, Malcolm**
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**Unger, S.**
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**Vaniman, C.**
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**Varga, L.**
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**Vaughn, B. E.**
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**Veomett, Robert C.**
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**Vincent, M.**
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**Virgin, C.**
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VIRC--1968-AN

**Vix, V.**
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**Vogel, John M.**
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**Vogt, Fred B.**
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**Vonschuching, S.**
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VONS--1961-SY-01
VONS--1961-SY-02
VONS--1961-TR
VONS--1962-SY-01
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VONS--1966-IN
VONS--1968-GL
VONS--1968-SU

**Vose, George P.**
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**Wagner, M.**
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WAGM--1972-CL

**Wagtendonk, W.**
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**Wainwright, William**
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**Wald, Niel**
WALNIE--Unknown-IN

**Waldholtz, H.**
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**Waldmann, W.**
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WALW--1968-PO
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**Wales, A.**
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**Walser, M.**
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**Walsh, J.**
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WALJ--1968-ME
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**Walsh, L.**
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WALL--1972-IN

**Walske, B.**
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WALB--1967-LA
WALB--1968-ME
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**Walter, H.**
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WALH--1959-ME
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WALH--1959-SY-02
WALH--1959-SY-03
WALH--1960-SY
WALH--1961-SY-01
WALH--1961-SY-02
WALH--1962-SY

**Ward, H.**
WARH--1967-TH
WARH--1967-US
WARH--1968-TH
WARH--1968-US

**Waron, M.**
WARM--1969-VE
WARM--1970-VE

**Warren, R.**
WARR--1963-SI
WARR--1967-DI

**Watson, Ronald**
WATRON--1972-1973-BO

**Watts, R.**
WATR--1967-EX
WATR--1968-EX
WATR--1970-EX
WATR--1971-RE
WATR--1972-US
WATR--1973-EX
WATR--1973-RA

**Watts, S.**
WATS--1969-EX

**Watts, William E.**
WATWIL--1950-ST

**Wear, J.**
WEAJ--1967-CO
WEAJ--1967-EL

WEAJ--1968-CO
WEAJ--1968-EL

**Weaver, John**
WEAJOH--1960-EX

**Weiner, R.**
WEIR--1967-BO

**Weinhold, P.**
WEIP--1967-EN
WEIP--1968-IN

**Weir, C. J.**
WEIC--1972-DI
WEIC--1972-RA

**Weisbrot, I.**
WEII--1966-HI

**Weisenthal, C.**
WEIC--1960-IN

**Weiss, Phillip**
WEIPHI--1973-EV

**Welsh, J.**
WELJ--1968-AS
WELJ--1969-AS

**Wenger, J.**
WENJ--1969-HY
WENJ--1970-HY

**Werbin, Harold**
WERHAR--1957-EV

**Wergedal, J.**
WERJ--1967-PR
WERJ--1968-PR
WERJ--1969-PR
WERJ--1970-PR
WERJ--1971-PR
WERJ--1972-PR

**Werner, Sidney C.**
WERSID--1951-TH

**Wesley, J.R.**
WESJ--1974-TH

**West, C.**
WESC--1959-ME
WESC--1959-SY
WESC--1959-US
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WESC--1960-TH-01
WESC--1960-TH-02
WESC--1960-TH-03
WESC--1961-AN
WESC--1961-DI
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WESC--1962-DI
WESC--1962-TH
WESC--1963-AN
WESC--1963-DI
WESC--1964-DI
WESC--1964-TH
WESC--1965-DI
WESC--1966-DI

**Westing, S.**
WESS--1957-CH
WESS--1958-CH

**Wetterau, L.**
WETL--1965-RA
WETL--1966-RA

**Wheeler, H.**
WHEH--1962-IS
WHEH--1963-IS
WHEH--1963-RA
WHEH--1964-IS
WHEH--1964-RA
WHEH--1965-IS
WHEH--1965-RA
WHEH--1966-IS
WHEH--1966-RA
WHEH--1967-RA
WHEH--1968-RA
WHEH--1969-LA
WHEH--1971-LA
WHEH--1972-LA

**Whitcomb, W.**
WHIW--1958-CL
WHIW--1958-ST
WHIW--1959-ER
WHIW--1959-IR

**Whittington, R.**
WHIR--1968-CO-01
WHIR--1968-CO-02

**Wilkins, Lawson**
WILLAW--1952-DE

**Williams, A.**
WILA--1960-NU
WILA--1967-AS
WILA--1967-IN
WILA--1968-AS
WILA--1968-IN
WILA--1969-AS
WILA--1969-IN-01
WILA--1969-IN-02
WILA--1970-AS
WILA--1970-IN
WILA--1971-AS
WILA--1971-IN
WILA--1972-AS
WILA--1972-IN
WILA--1973-AS
WILA--1973-IN

**Williams, G.**
WILG--1967-EF
WILG--1967-IN
WILG--1967-LO
WILG--1968-IN
WILG--1968-ST
WILG--1969-IN
WILG--1969-ST
WILG--1970-IN
WILG--1970-ST
WILG--1972-ST

**Williard, R.**
WILR--1972-AN

**Wilson, J.**
WILJ--1960-OP
WILJ--1961-OP

**Wilson, W.**
WILW--1967-GA
WILW--1968-GA

**Winkelman, E.**
WINE--1960-CR
WINE--1961-CH

**Winston, M.**
WINM--1969-US
WINM--1970-DE
WINM--1971-CA
WINM--1971-DE-01
WINM--1971-DE-02
WINM--1971-US
WINM--1972-CA
WINM--1972-DE-01
WINM--1972-DE-02
WINM--1972-US
WINM--1973-CA
WINM--1973-DE-01

WINM--1973-DE-02
WINM--1973-US

**Winter, C.**
WINC--1958-A

**Wirth, J.E.**
WIRJ--1946-RE

**Wisenbaugh, P.**
WISP--1969-CO

**Wissing, E.**
WISE--1960-ME

**Witt, Robert**
WITROB--1972-1973-DE
WITROB--1972-1973-DU
WITROB--1972-1973-I1
WITROB--1975-1976-PH

**Wohl, G.**
WOHG--1958-TH
WOHG--1959-CI
WOHG--1959-CO
WOHG--1959-IN
WOHG--1959-OR
WOHG--1960-AN
WOHG--1960-CH
WOHG--1960-CI
WOHG--1960-IN
WOHG--1960-ME
WOHG--1960-OR
WOHG--1960-RA
WOHG--1961-ME-01
WOHG--1961-ME-02
WOHG--1962-ME

**Wolberg, William**
WOLWIL--1975-1976-SO

**Wolf, J.**
WOLFJ--1972-A

**Wolfgang, Aaron**
WOLAAR--1972-EF

**Wolkoff, J.**
WOLJ--1968-CH
WOLJ--1968-SU

**Wood, J.**
WOOJ--1959-RA

**Woods, A.**
WOOA--1963-SE
WOOA--1964-SE
WOOA--1965-SE
WOOA--1973-BI

**Woodward, Kent**
WOOKEN--1958-1960-CA

**Wynn, J.**
WYNJ--1958-CH
WYNJ--1958-IN
WYNJ--1959-ME

**Yalow, R.**
YALR--1958-RA
YALR--1959-IM
YALR--1959-PA
YALR--1960-PA
YALR--1961-DE
YALR--1961-RA
YALR--1962-DE
YALR--1962-RA
YALR--1963-RA
YALR--1964-RA
YALR--1965-RA
YALR--1966-RA
YALR--1967-RA
YALR--1973-ST

Yesner, R.
YESR--1973-IN

**Yokoo, H.**
YOKH--1964-EF
YOKH--1965-EF
YOKH--1966-EF

**Youmans, J.**
YOUJ--1960-EX
YOUJ--1961-CA
YOUJ--1962-CA
YOUJ--1964-CA
YOUJ--1965-CA

**Young, D. R.**
YOUDR--1965-1966-GL

**Young, Robert**
YOUROB--1968-AN
YOUROB--1969-I-
YOUROB--1972-RO

**Young, S. W.**
YOUS--1971-UR

**Youngman, G.**
YOUG--1960-ST
YOUG--1961-ST

**Zager, P. G.**
ZAGP--1977-1978-AD

**Zangara, H.**
ZANGH--1957-EV

**Zankel, H.**
ZANH--1959-EF
ZANH--1961-IN

**Zieve, L.**
ZIEL--1967-AP
ZIEL--1967-EF
ZIEL--1968-EF-01
ZIEL--1968-EF-02
ZIEL--1968-EF-03
ZIEL--1968-EF-04
ZIEL--1970-EF-01
ZIEL--1970-EF-02
ZIEL--1970-EF-03
ZIEL--1971-EF
ZIEL--1972-ST

**Zimberg, Y.**
ZIMY--1965-EF
ZIMY--1966-EF-01
ZIMY--1966-EF-02

**Zundel, Wayne**
ZUNWAY--1974-SH

**Unknown**
UNKNOWN--1946-1949-TH
UNKNOWN--1948-1957-DE
UNKNOWN--1951-1952-UN
UNKNOWN--1953-RE
UNKNOWN--1953-UP
UNKNOWN--1955-ST
UNKNOWN--1956-A-01
UNKNOWN--1956-A-02
UNKNOWN--1956-A-03
UNKNOWN--1956-A-04
UNKNOWN--1956-A-05
UNKNOWN--1956-A-06
UNKNOWN--1956-A-07
UNKNOWN--1956-A-08
UNKNOWN--1956-A-09
UNKNOWN--1956-A-10
UNKNOWN--1956-A-11
UNKNOWN--1956-AB
UNKNOWN--1956-AC
UNKNOWN--1956-AN
UNKNOWN--1956-AP-01
UNKNOWN--1956-AP-02
UNKNOWN--1956-AS
UNKNOWN--1956-AU-01

UNKNOWN--1956-AU-02
UNKNOWN--1956-BA
UNKNOWN--1956-BI
UNKNOWN--1956-BL-01
UNKNOWN--1956-BL-02
UNKNOWN--1956-BL-03
UNKNOWN--1956-CA-01
UNKNOWN--1956-CA-02
UNKNOWN--1956-CA-03
UNKNOWN--1956-CE
UNKNOWN--1956-CH-01
UNKNOWN--1956-CH-02
UNKNOWN--1956-CH-03
UNKNOWN--1956-CH-04
UNKNOWN--1956-CI
UNKNOWN--1956-CL-01
UNKNOWN--1956-CL-02
UNKNOWN--1956-CO-01
UNKNOWN--1956-CO-02
UNKNOWN--1956-CO-03
UNKNOWN--1956-CO-04
UNKNOWN--1956-CO-05
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UNKNOWN--1956-CO-07
UNKNOWN--1956-CO-08
UNKNOWN--1956-CO-09
UNKNOWN--1956-CR
UNKNOWN--1956-DE-01
UNKNOWN--1956-DE-02
UNKNOWN--1956-DE-03
UNKNOWN--1956-DE-04
UNKNOWN--1956-DE-05
UNKNOWN--1956-DE-06
UNKNOWN--1956-DE-07
UNKNOWN--1956-DE-08
UNKNOWN--1956-DE-09
UNKNOWN--1956-DE-10
UNKNOWN--1956-DE-11
UNKNOWN--1956-DE-12
UNKNOWN--1956-DE-13
UNKNOWN--1956-DI-01
UNKNOWN--1956-DI-02
UNKNOWN--1956-DI-03
UNKNOWN--1956-DI-04
UNKNOWN--1956-DI-05
UNKNOWN--1956-DI-06
UNKNOWN--1956-DI-07
UNKNOWN--1956-DN
UNKNOWN--1956-DO
UNKNOWN--1956-EF-01
UNKNOWN--1956-EF-02
UNKNOWN--1956-EF-03
UNKNOWN--1956-EF-04
UNKNOWN--1956-EF-05
UNKNOWN--1956-EF-06
UNKNOWN--1956-EF-07
UNKNOWN--1956-EF-08
UNKNOWN--1956-EF-09
UNKNOWN--1956-EF-10
UNKNOWN--1956-EF-11
UNKNOWN--1956-EF-12
UNKNOWN--1956-EL
UNKNOWN--1956-ER-01
UNKNOWN--1956-ER-02
UNKNOWN--1956-ER-03
UNKNOWN--1956-ET
UNKNOWN--1956-EV-01
UNKNOWN--1956-EV-02
UNKNOWN--1956-EV-03
UNKNOWN--1956-EV-04
UNKNOWN--1956-EV-05
UNKNOWN--1956-EX-01
UNKNOWN--1956-EX-02
UNKNOWN--1956-EX-03
UNKNOWN--1956-EX-04
UNKNOWN--1956-FE
UNKNOWN--1956-FU-01
UNKNOWN--1956-FU-02
UNKNOWN--1956-FU-03
UNKNOWN--1956-GA
UNKNOWN--1956-HY
UNKNOWN--1956-IM
UNKNOWN--1956-IN-01
UNKNOWN--1956-IN-02
UNKNOWN--1956-IN-03
UNKNOWN--1956-IN-04
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UNKNOWN--1956-IN-06
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UNKNOWN--1956-IN-10
UNKNOWN--1956-IR-01
UNKNOWN--1956-IR-02
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UNKNOWN--1956-IS
UNKNOWN--1956-KI
UNKNOWN--1956-LA
UNKNOWN--1956-LI
UNKNOWN--1956-LO-01
UNKNOWN--1956-LO-02
UNKNOWN--1956-LU
UNKNOWN--1956-ME-01
UNKNOWN--1956-ME-02
UNKNOWN--1956-ME-03
UNKNOWN--1956-ME-04
UNKNOWN--1956-ME-05
UNKNOWN--1956-ME-06
UNKNOWN--1956-ME-07
UNKNOWN--1956-MU
UNKNOWN--1956-NO
UNKNOWN--1956-OX
UNKNOWN--1956-PA-01
UNKNOWN--1956-PA-02
UNKNOWN--1956-PA-03
UNKNOWN--1956-PA-04
UNKNOWN--1956-PH-01
UNKNOWN--1956-PH-02
UNKNOWN--1956-PL-01
UNKNOWN--1956-PL-02
UNKNOWN--1956-PO
UNKNOWN--1956-PR-01
UNKNOWN--1956-PR-02
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UNKNOWN--1956-PR-04
UNKNOWN--1956-PR-05
UNKNOWN--1956-RA-01
UNKNOWN--1956-RA-02
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UNKNOWN--1956-RA-04
UNKNOWN--1956-RA-05
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UNKNOWN--1956-ST-01
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UNKNOWN--1956-ST-42
UNKNOWN--1956-ST-43
UNKNOWN--1956-ST-44
UNKNOWN--1956-ST-45
UNKNOWN--1956-ST-46
UNKNOWN--1956-ST-47
UNKNOWN--1956-ST-48
UNKNOWN--1956-SY-01
UNKNOWN--1956-SY-02
UNKNOWN--1956-TH-01
UNKNOWN--1956-TH-02
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UNKNOWN--1956-TH-17
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UNKNOWN--1956-TH-23
UNKNOWN--1956-TH-24
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UNKNOWN--1956-TH-26
UNKNOWN--1956-TH-27
UNKNOWN--1956-TI
UNKNOWN--1956-TO-01
UNKNOWN--1956-TO-02
UNKNOWN--1956-TR-01
UNKNOWN--1956-TR-02
UNKNOWN--1956-TR-03
UNKNOWN--1956-TU
UNKNOWN--1956-UP
UNKNOWN--1956-UR
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UNKNOWN--1956-US-02
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UNKNOWN--1957-A-03
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UNKNOWN--1957-CO-01
UNKNOWN--1957-CO-02
UNKNOWN--1957-CO-03
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UNKNOWN--1957-CO-05
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UNKNOWN--1957-CO-08
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UNKNOWN--1957-CR-01
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UNKNOWN--1957-DE-01
UNKNOWN--1957-DE-02
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UNKNOWN--1957-DE-11
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UNKNOWN--1957-DE-13
UNKNOWN--1957-DI-01
UNKNOWN--1957-DI-02
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UNKNOWN--1957-DN
UNKNOWN--1957-DO-01
UNKNOWN--1957-DO-02
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UNKNOWN--1957-EF-02
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UNKNOWN--1957-EF-05
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UNKNOWN--1957-EF-07
UNKNOWN--1957-EF-08
UNKNOWN--1957-EL-01
UNKNOWN--1957-EL-02
UNKNOWN--1957-ER-01
UNKNOWN--1957-ER-02
UNKNOWN--1957-ER-03
UNKNOWN--1957-ET
UNKNOWN--1957-EV-01
UNKNOWN--1957-EV-02
UNKNOWN--1957-EV-03
UNKNOWN--1957-EV-04
UNKNOWN--1957-EV-05
UNKNOWN--1957-EV-06
UNKNOWN--1957-EV-07
UNKNOWN--1957-EX-01
UNKNOWN--1957-EX-02
UNKNOWN--1957-FE
UNKNOWN--1957-FR
UNKNOWN--1957-FU-01
UNKNOWN--1957-FU-02
UNKNOWN--1957-FU-03
UNKNOWN--1957-GA
UNKNOWN--1957-IM
UNKNOWN--1957-IN-01
UNKNOWN--1957-IN-02
UNKNOWN--1957-IN-03

UNKNOWN--1957-IN-04
UNKNOWN--1957-IN-05
UNKNOWN--1957-IN-06
UNKNOWN--1957-IN-07
UNKNOWN--1957-IN-08
UNKNOWN--1957-IR
UNKNOWN--1957-IS-01
UNKNOWN--1957-IS-02
UNKNOWN--1957-KI
UNKNOWN--1957-LA
UNKNOWN--1957-LI
UNKNOWN--1957-LO-01
UNKNOWN--1957-LO-02
UNKNOWN--1957-ME-01
UNKNOWN--1957-ME-02
UNKNOWN--1957-ME-03
UNKNOWN--1957-ME-04
UNKNOWN--1957-MI
UNKNOWN--1957-MU-01
UNKNOWN--1957-MU-02
UNKNOWN--1957-PA-01
UNKNOWN--1957-PA-02
UNKNOWN--1957-PL
UNKNOWN--1957-PO
UNKNOWN--1957-PR-01
UNKNOWN--1957-PR-02
UNKNOWN--1957-PR-03
UNKNOWN--1957-RA-01
UNKNOWN--1957-RA-02
UNKNOWN--1957-RA-03
UNKNOWN--1957-RA-04
UNKNOWN--1957-RA-05
UNKNOWN--1957-RA-06
UNKNOWN--1957-RA-07
UNKNOWN--1957-RB
UNKNOWN--1957-RE-01
UNKNOWN--1957-RE-02
UNKNOWN--1957-RE-03
UNKNOWN--1957-RE-04
UNKNOWN--1957-RE-05
UNKNOWN--1957-RE-06
UNKNOWN--1957-SC-01
UNKNOWN--1957-SC-02
UNKNOWN--1957-SE-01
UNKNOWN--1957-SE-02
UNKNOWN--1957-SE-03
UNKNOWN--1957-SE-04
UNKNOWN--1957-SE-05
UNKNOWN--1957-SE-06
UNKNOWN--1957-SI
UNKNOWN--1957-SO-01
UNKNOWN--1957-SO-02
UNKNOWN--1957-SO-03
UNKNOWN--1957-ST-01
UNKNOWN--1957-ST-02
UNKNOWN--1957-ST-03
UNKNOWN--1957-ST-04
UNKNOWN--1957-ST-05
UNKNOWN--1957-ST-06
UNKNOWN--1957-ST-07
UNKNOWN--1957-ST-08
UNKNOWN--1957-ST-09
UNKNOWN--1957-ST-10
UNKNOWN--1957-ST-11
UNKNOWN--1957-ST-12
UNKNOWN--1957-ST-13
UNKNOWN--1957-ST-14
UNKNOWN--1957-ST-15
UNKNOWN--1957-ST-16
UNKNOWN--1957-ST-17
UNKNOWN--1957-ST-18
UNKNOWN--1957-ST-19
UNKNOWN--1957-ST-20
UNKNOWN--1957-ST-21
UNKNOWN--1957-ST-22
UNKNOWN--1957-ST-23
UNKNOWN--1957-ST-24
UNKNOWN--1957-ST-25
UNKNOWN--1957-ST-26
UNKNOWN--1957-ST-27
UNKNOWN--1957-ST-28
UNKNOWN--1957-ST-29
UNKNOWN--1957-ST-30
UNKNOWN--1957-ST-31
UNKNOWN--1957-ST-32
UNKNOWN--1957-ST-33
UNKNOWN--1957-ST-34
UNKNOWN--1957-ST-35
UNKNOWN--1957-ST-36
UNKNOWN--1957-ST-37
UNKNOWN--1957-ST-38
UNKNOWN--1957-SY
UNKNOWN--1957-TH-01
UNKNOWN--1957-TH-02
UNKNOWN--1957-TH-03
UNKNOWN--1957-TH-04
UNKNOWN--1957-TH-05
UNKNOWN--1957-TH-06
UNKNOWN--1957-TH-07
UNKNOWN--1957-TH-08
UNKNOWN--1957-TH-09
UNKNOWN--1957-TH-10
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UNKNOWN--1957-TH-12
UNKNOWN--1957-TH-13
UNKNOWN--1957-TH-14
UNKNOWN--1957-TH-15
UNKNOWN--1957-TH-16
UNKNOWN--1957-TH-17
UNKNOWN--1957-TH-18
UNKNOWN--1957-TH-19
UNKNOWN--1957-TH-20
UNKNOWN--1957-TH-21
UNKNOWN--1957-TH-22
UNKNOWN--1957-TH-23
UNKNOWN--1957-TH-24
UNKNOWN--1957-TH-25
UNKNOWN--1957-TH-26
UNKNOWN--1957-TH-27
UNKNOWN--1957-TH-28
UNKNOWN--1957-TH-29
UNKNOWN--1957-TH-30
UNKNOWN--1957-TH-31
UNKNOWN--1957-TH-32
UNKNOWN--1957-TH-33
UNKNOWN--1957-TH-34
UNKNOWN--1957-TH-35
UNKNOWN--1957-TH-36
UNKNOWN--1957-TH-37
UNKNOWN--1957-TH-38
UNKNOWN--1957-TH-39
UNKNOWN--1957-TH-40
UNKNOWN--1957-TI
UNKNOWN--1957-TO-01
UNKNOWN--1957-TO-02
UNKNOWN--1957-TR-01
UNKNOWN--1957-TR-02
UNKNOWN--1957-TU-01
UNKNOWN--1957-TU-02
UNKNOWN--1957-UP
UNKNOWN--1957-UR
UNKNOWN--1957-US-01
UNKNOWN--1957-US-02
UNKNOWN--1957-US-03
UNKNOWN--1957-US-04
UNKNOWN--1957-VA
UNKNOWN--1957-VI
UNKNOWN--1957-ZI
UNKNOWN--1960-A
UNKNOWN--1961-TH
UNKNOWN--1965-EF
UNKNOWN--1967-DE
UNKNOWN--1967-N.
UNKNOWN--1967-RE
UNKNOWN--1972-DE
UNKNOWN--1973-EF
UNKNOWN--1973-FL

## DATE INDEX

**1941**
BLUHER--1941-TR

**1942**
BALW--1942-RA

**1942-1951**
HAHP--1942-1951-IR

**1943-1946**
LOWB--1943-1946-HE

**1943-1947**
DOWAND--1943-1947-BI
SILE--1943-1947-ST

**1944**
SMIROB--1944-ME
SMIROB--1944-ME-01

**1944-1945**
MILEAR--1944-1945-RE

**1945**
DARWIL--1945-TH

**1945-1946**
SMIROB--1945-1946-BI

**1945-1947**
STOROB--1945-1947-PL

**1946**
HAIHEN--1946-AE
NORPAG--1946-RA
PACNEL--1946-US
WIRJ--1946-RE

**1946-1949**
UNKNOWN--1946-1949-TH

**1947**
NELW--1947-AR
NICJ--1947-BL
NICMAR--1947-EF
OETLEO--1947-IR

**1948**
BASSAM--1948-TH
DELCHE--1948-PE
GRIM--1948-AN
LOWB--1948-CO
RAWRUL--1948-EF

**1948-1949**
MILEAR--1948-1949-TH

**1948-1951**
BURGEO--1948-1951-TH

**1948-1956**
RAWRUL--1948-1956-RA

**1948-1957**
UNKNOWN--1948-1957-DE

**1949**
ABEP--1949-CY
BLUHER--1949-HY
BOWKAR--1949-TH
EDWR--1949-DE
LAWJ--1949-CO
LAWJ--1949-TH
ROLHIL--1949-PL

**1949-1951**
BRUMAR--1949-1951-A

**1950**
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CLADWI--1950-DI
FORGIL--1950-ES
FREA--1950-SE
GOREDG--1950-TR
GREMON--1950-CO
KELVIN--1950-LA
KLIPAU--1950-TH
MILEAR--1950-ST-01
MILEAR--1950-ST-02
MILEAR--1950-ST-03
MULW--1950-ST
MULW--1950-ST-02
MULW--1950-ST-03
PINERN--1950-TH
PORU--1950-EX
REIWIL--1950-CA
SNYW--1950-A
SORJOS--1950-TH
WATWIL--1950-ST

**1950-1952**
KNIRAL--1950-1952-PA

**1950-1954**
BROFEL--1950-1954-ST

**1950-1963**
COPOLI--1950-1963-TH

**1950s**
ROOSAM--1950s-DI

**1951**
BERS--1951-TH
CATWIL--1951-CI
CHADAV--1951-TH
DOBBRO--1951-A
FREA--1951-TR
GOOW--1951-A
HEMLOU--1951-TH
MOOG--1951-CL
MUNJ--1951-TH
NITHAR--1951-A
ROLHIL--1951-SE
SCOH--1951-BL
SCOK--1951-TH
SCOW--1951-OB
STEKEN--1951-SE
STEKIN--1951-CO
WAIWIL--1951-EN
WERSID--1951-TH

**1951-1952**
ELLFRI--1951-1952-A
UNKNOWN--1951-1952-UN

**1951-1957**
GERHER--1951-1957-SY

**1951-1970**
EVAROB--1951-1970-RE

**1952**
ANDGOU--1952-IN
BERS--1952-TH
CLADWI--1952-FI
FRENOR--1952-SI
JAFHEN--1952-RA
KINE--1952-A
KINE--1952-TH
LAVPAU--1952-US
LAYRIC--1952-TH
NURCAR--1952-TR
PETN--1952-TH
PINERN--1952-LU
REIF--1952-DE
TYOMAL--1952-A
WILLAW--1952-DE

**1952-1958**
BUSROB--1952-1958-SY
FINCLE--1952-1958-ER

**1953**
ANDGOU--1953-CL
ANDGOU--1953-EA
BART--1953-EV
BARW--1953-DI
BELJUD--1953-ME
BERS--1953-TH
BERS--1953-TR
BYRV--1953-OP
DOBERN--1953-TH
FARLEE--1953-NE

FORGIL--1953-ES
FORHAR--1953-TH
FRENOR--1953-CO
FRIHYM--1953-AN
FUKDAV--1953-TH
GRAMAR--1953-TH
GRIDON--1953-ME
KORROS--1953-RA
LOER--1953-CO
PEAW--1953-ES
PLEALB--1953-DE
RALJ--1953-DO
SEELIN--1953-CO
SILVS--1953-RA
UNKNOWN--1953-RE
UNKNOWN--1953-UP

**1953-1956**
STACLI--1953-1956-MU

**1953-1957**
SWEW--1953-1957-TH

**1954**
ANDGOU--1954-PA
BERS--1954-QU
GRIM--1954-TR
HAMJOS--1954-AC
HODROB--1954-TH
KATELA--1954-AM
LOOW--1954-LA
MAREDG--1954-A
NELEAR--1954-RA
SEIS--1954-BL

**1954-1954**
FLEGIL--1954-1954-CH

**1954-1955**
WALM--1954-1955-BO

**1954-1957**
MORJ--1954-1957-X-

**1954-1959**
LAWJ--1954-1959-CL

**1954-1961**
NICJ--1954-1961-PO

**1955**
BLUHER--1955-TR
GLAWAR--1955-RO
GOUGOR--1955-AB
GOUGOR--1955-TH
NORWIL--1955-ST
SMICLE--1955-PE
STACLI--1955-ST
UNKNOWN--1955-ST

**1956**
ALEN--1956-ST
ALEN--1956-TH
BAIA--1956-DE
BUCD--1956-SE
BUCD--1956-TH-01
BUCD--1956-TH-02
COMC--1956-ME
COOWIL--1956-LA
DOBR--1956-TH
DUDH--1956-ST
EIS--1956-AP
FRYEDW--1956-A
HURJOH--1956-TH
KAIIRW--1956-EF
LANWRI--1956-AD
LENF--1956-AB
LOOW--1956-RA
MCCM--1956-ST
MCMI--1956-BI
MCMI--1956-TH
MUIE--1956-LI
OLIL--1956-TH
PINERN--1956-UN
SPER--1956-RE
STACLI--1956-DI
SUTD--1956-AP
UNKNOWN--1956-A-01
UNKNOWN--1956-A-02
UNKNOWN--1956-A-03
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UNKNOWN--1956-AN
UNKNOWN--1956-AP-01
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UNKNOWN--1956-BA
UNKNOWN--1956-BI
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UNKNOWN--1956-US-04
UNKNOWN--1956-VI

**1956-1958**
BARH--1956-1958-TO

**1956-1971**
ANDGOU--1956-1971-CL

**1957**
ANDGOU--1957-TO
ANDR--1957-A
BERH--1957-EX
BERROB--1957-IN
BRAW--1957-IN
BROFEL--1957-CA
BUCD--1957-AN
BUCW--1957-SA
BURD--1957-DE
COHB--1957-EF
COHB--1957-HI
COMC--1957-ST
CONROB--1957-PR
CROS--1957-VA
ELDE--1957-SU
GILL--1957-PR
GISBAN--1957-TH
GOLDR--1957-X
GRIA--1957-A
HUD--1957-CA
HUD--1957-NU
JARB--1957-TH
JORP--1957-IN
KAUJ--1957-CY
KAUP--1957-AB
KINE--1957-TH
KLEW--1957-HY
KOEV--1957-TH
KOHD--1957-DE
KRAE--1957-IN
KUMW--1957-DE
KURN--1957-PR
LEMJ--1957-DI
LEMJ--1957-SE
LEMM--1957-EM
LEWG--1957-DI
LUSC--1957-CH
MENG--1957-CH
MENG--1957-ME
MILJ--1957-AN
MILLOW--1957-RA
MITTHO--1957-TH
MOSW--1957-EV
MOSW--1957-RE
MYNR--1957-PR
NAHJ--1957-CO-01
NAHJ--1957-CO-02
NAHJ--1957-IN
OLIR--1957-RE
OLSN--1957-EF
POWW--1957-A
POWW--1957-AN
PREM--1957-RE
ROGH--1957-OP
ROSB--1957-CY
ROSB--1957-HO
ROSB--1957-MO
ROSB--1957-RA
ROSB--1957-RO
ROSB--1957-TR
RUDG--1957-DE
RUDG--1957-EF
RUDG--1957-SE
RUDG--1957-TR
RUGROB--1957-X-
RUPC--1957-EL
SCHR--1957-EF
SHIR--1957-CI
SHIR--1957-TH-01
SHIR--1957-TH-02
SPER--1957-PO
SPER--1957-SE
SPER--1957-TH
STACLI--1957-ST
STEJ--1957-BO
STOCLI--1957-BL
SZCM--1957-ST
TRIP--1957-MY
UNGS--1957-RA
UNKNOWN--1957-A-01
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UNKNOWN--1957-US-04

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UNKNOWN--1957-ZI
WERHAR--1957-EV
WESS--1957-CH
ZANGH--1957-EV

**1957-1962**
DURPAT--1957-1962-ME

**1957-196?**
HARPAU--1957-196?-US

**1958**
ABTA--1958-DE
ANDD--1958-ST
ARMB--1958-RO
BAKN--1958-TH
BARJ--1958-X-
BERE--1958-EF
BERH--1958-SI
BLUA--1958-IM
BOOIRE--1958-AD
BOYJ--1958-AP
BOYR--1958-TR
BROJ--1958-FL
BUCD--1958-AN
BULG--1958-IN
BURB--1958-TH
BURD--1958-IS
CHEW--1958-I
CHOR--1958-AN
CHOR--1958-BL
CHOR--1958-ST
CHOR--1958-TH
CLAR--1958-TH
COOJ--1958-ST
COOJ--1958-US
DEGW--1958-EX
DIEW--1958-ME
DIEW--1958-TR
DOWR--1958-OX
DOWR--1958-UR
DUTH--1958-EF-01
DUTH--1958-EF-02
DUTH--1958-IN
DUTH--1958-PE-01
DUTH--1958-PE-02
DUTH--1958-SU
DUTH--1958-TH
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ENDN--1958-DE
GOSS--1958-DE
GRER--1958-ME
GUTA--1958-IN
HAFH--1958-CL
HARP--1958-RA
HING--1958-TO
HLAC--1958-NA
HUFR--1958-IN
INDJ--1958-SI
JARB--1958-TH
JENW--1958-ST
JOHD--1958-EV
JOHD--1958-HE
JOHP--1958-BL
JOHP--1958-CO
JOHP--1958-DE
JOHP--1958-EF
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KAMH--1958-ST
KEEI--1958-BL
KOHD--1958-DE
LEEN--1958-PH
LEIG--1958-CY
LEVM--1958-TO
LUBD--1958-DE
MAIJ--1958-ES
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MCCA--1958-CO
MCCK--1958-MA
MENG--1958-ME
MUCH--1958-DE
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NAHJ--1958-BA
ORAM--1958-ST
PARKJ--1958-GA
PATRD--1958-MU
PETR--1958-TO
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RABJ--1958-CA-02
RABJ--1958-ST-01
RABJ--1958-ST-02
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RADN--1958-ST
RAIL--1958-ST
RAIL--1958-TH
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ROSB--1958-CR
ROSB--1958-HO
ROSB--1958-MO
ROSB--1958-RA
ROSB--1958-RO
ROSB--1958-TR
ROTM--1958-AN
ROTM--1958-CI
ROTM--1958-EF
ROTM--1958-TR
RUDG--1958-TR
RUEW--1958-KI
RUEW--1958-SU
RUEW--1958-TH
RUEW--1958-TI
SCHS--1958-DE
SCHS--1958-EL
SCHW--1958-SI
SHAA--1958-FU
SHEM--1958-CH
SHIR--1958-TH
SKAW--1958-DE
SKOA--1958-TH
SLID--1958-TH
SPER--1958-CI
SPER--1958-TH
STAA--1958-TH
STEJ--1958-AT
STEJ--1958-BO
STEK--1958-RA-01
STEK--1958-RA-02
STEK--1958-ST
STOROB--1958-PA
SUTD--1958-SI
SZCM--1958-ST
TRIJ--1958-ST
TYOMAL--1958-TH-01
TYOMAL--1958-TH-02
UNGS--1958-RA
UNGS--1958-RE
WALH--1958-CL
WESS--1958-CH
WHIW--1958-CL
WHIW--1958-ST
WINC--1958-A
WOHG--1958-TH
WYNJ--1958-CH
WYNJ--1958-IN
YALR--1958-RA

**1958-1960**
WOOKEN--1958-1960-CA

**1958-1961**
REILOU--1958-1961-ST

**1958-1966**
ANDGOU--1958-1966-WH

**1959**

ABTA--1959-AU
ABTA--1959-DE
ABTA--1959-MU
ABTA--1959-ST
ABTA--1959-WO
ANDE--1959-AV
ASHW--1959-AD
BEIWIL--1959-RA-01
BEIWIL--1959-RA-02
BERS--1959-CO
BERS--1959-ST
BETF--1959-RA
BISG--1959-ST
BISR--1959-RA
BLARH--1959-SO
BLAW--1959-OR
BLUA--1959-PU
BLUA--1959-RA
BOLR--1959-RA
BOWT--1959-MO
BOYJ--1959-AP
BOYJ--1959-ST
BREE--1959-EF
BREE--1959-I
BUCC--1959-DE
CAMJ--1959-US
CAPR--1959-CO
CLOA--1959-FR
CONROB--1959-AN
COOJ--1959-ST
COPC--1959-SE
DAVR--1959-ME
DESB--1959-EF
DICM--1959-ST
DRAA--1959-ST
DUFB--1959-X--01
DUFB--1959-X--02
DUNA--1959-TR
EATN--1959-CE
EATN--1959-EN
ENDN--1959-DI
FELD--1959-LI
FELD--1959-ME
FELD--1959-SY
FIET--1959-DE
FIET--1959-PH
FLOW--1959-EF
FLOW--1959-IN
FLOW--1959-RO
GARM--1959-RE
GELA--1959-CE
GOLMOR--1959-AN
GOLR--1959-CA-01
GOLR--1959-CA-02
GOLR--1959-CA-03
GOLR--1959-RO
GOTR--1959-ME
GRER--1959-ME
HALC--1959-EF
HALC--1959-ST
HAMJ--1959-CH
HARI--1959-BA
HARI--1959-IN-01
HARI--1959-IN-02
HARI--1959-RO
HELP--1959-ME
HENW--1959-TW
HING--1959-EX
HING--1959-PU
HUFR--1959-IS
HURC--1959-ST-01
HURC--1959-ST-02
JOHP--1959-DE
JOHP--1959-EF-01
JOHP--1959-EF-02
JOHP--1959-EF-03
JOHP--1959-IR
JOHP--1959-ME
JORJ--1959-DE
KAMH--1959-MI
KELL--1959-ER
KEYW--1959-ST
KIRI--1959-ST
KLOA--1959-EX
KLOA--1959-FA
KLOA--1959-PA
KORD--1959-CH
KORD--1959-EF
KORD--1959-EL
KORD--1959-ES
KORD--1959-EV
KORD--1959-RA-01
KORD--1959-RA-02
KORD--1959-ST
LANH--1959-EN
LANH--1959-MO
LEEN--1959-ST
LEVL--1959-IM-01
LEVL--1959-IM-02
LUSC--1959-IO
MCCA--1959-DE
MCCK--1959-BI
MCCK--1959-ID
MCCK--1959-IS
MCCK--1959-MA
MCCK--1959-NE
MCCK--1959-PA
MCCK--1959-PR
MCCK--1959-RO
MEAR--1959-CO
MEAR--1959-EF
MEAR--1959-IM
MEAR--1959-NA
MEAR--1959-ST
MEAR--1959-UP
MEYJ--1959-ME-01
MEYJ--1959-ME-02
MEYJ--1959-RO
MILJ--1959-US
MOSW--1959-ST
MUCH--1959-EF
MURDH--1959-CE
MURROB--1959-LE
NAHJ--1959-CO
NAHJ--1959-IN
OGBR--1959-TH
PALK--1959-AB
PARD--1959-IN
PASFLO--1959-CA
PECH--1959-IN
PERW--1959-ST
PERW--1959-US
PETR--1959-TO
POLA--1959-BR
POLA--1959-EF
POLA--1959-FA
POLA--1959-PR
POLA--1959-RA
POLA--1959-TH
RABJ--1959-BI-01
RABJ--1959-BI-02
RADN--1959-DE
REIR--1959-P3
REIW--1959-CO
REIW--1959-TU
REIW--1959-TY
RICHC--1959-ME
RING--1959-SH
RISJ--1959-CA
ROEJ--1959-RO
ROSB--1959-HO
ROSB--1959-MO
ROSB--1959-RA
ROWROB--1959-TH
SCHP--1959-DE
SCHS--1959-AN
SCHS--1959-C1
SCHS--1959-GO
SCHS--1959-TR-01
SCHS--1959-TR-02
SCHW--1959-FA
SCHW--1959-SI
SCOK--1959-ME
SCOW--1959-DE
SEAG--1959-EF
SEVG--1959-CH
SEVG--1959-DE-01

SEVG--1959-DE-02
SHAA--1959-FU
SHEM--1959-CH
SHUH--1959-EV
SKIS--1959-CO
SMIW--1959-EF
SMIW--1959-ER
STEJ--1959-BO
STRH--1959-ST
SUTD--1959-CO
SUTD--1959-LI
SUTD--1959-SI
SUTD--1959-SP
SWEL--1959-SE
TRIJ--1959-ST
TRIP--1959
WALH--1959-ME
WALH--1959-SY-01
WALH--1959-SY-02
WALH--1959-SY-03
WESC--1959-ME
WESC--1959-SY
WESC--1959-US
WHIW--1959-ER
WHIW--1959-IR
WOHG--1959-CI
WOHG--1959-CO
WOHG--1959-IN
WOHG--1959-OR
WOOJ--1959-RA
WYNJ--1959-ME
YALR--1959-IM
YALR--1959-PA
ZANH--1959-EF

**195?-1969**

MILCHA--195?-1969-TH

**1960**

ABTA--1960-AM
ABTA--1960-AU
ABTA--1960-CA
ABTA--1960-CH-01
ABTA--1960-CH-02
ABTA--1960-RE
ABTA--1960-RO
ABTA--1960-WO
BALV--1960-KI
BARJ--1960-DA
BARJ--1960-DE
BELJ--1960-CI
BERS--1960-ME
BERS--1960-ST-01
BERS--1960-ST-02
BETF--1960-RA
BLUHER--1960-LO
BREE--1960-I
BREE--1960-TH
BUCD--1960-WA
BUSJ--1960-NU
CAVR--1960-TA
CLOA--1960-SI
COCE--1960-UL
COHS--1960-AX
CORL--1960-A
COUL--1960-DE
COUL--1960-TI
CROEUG--1960-RA
DANJ--1960-PL
DESB--1960-TH
DRAA--1960-ST-01
DRAA--1960-ST-02
DRAA--1960-TH
DRAA--1960-TH-02
DUNA--1960-TR
EICS--1960-X
FLOW--1960-IN
FLOW--1960-TH
FREE--1960-TH
GARM--1960-TH
GORB--1960-AN
HALC--1960-EF
HALC--1960-ST
HALTE--1960-ST
HEIH--1960-CA-01
HEIH--1960-CA-02
HELP--1960-ME
HING--1960-EF
HING--1960-EX
HOFEJ--1960-EX
JANB--1960-TH
JANB--1960-TH-02
JERF--1960-CI
JOHP--1960-CA
KAPE--1960-TH
KAPG--1960-DE
KARS--1960-SP
KEYW--1960-IN
KEYW--1960-NE
KEYW--1960-ST
KIRI--1960-ST
KIRW--1960-TH-01
KIRW--1960-TH-02
KNOJ--1960-PR
KORD--1960-EL
KORD--1960-ES
KORD--1960-OR-01
KORD--1960-OR-02
KORD--1960-RA-01
KORD--1960-RA-02
KORD--1960-ST
KORD--1960-TR
KRAE--1960-RO
KRUE--1960-TH
KUHW--1960-TH
LANK--1960-FI
LEAW--1960-TH-01
LEAW--1960-TH-02
LEAW--1960-TH-03
LEEN--1960-ST
LEMM--1960-SY
LEVL--1960-IM-01
LEVL--1960-IM-02
LEVL--1960-IN
LOOW--1960-LA
LUBD--1960-DE
LUSC--1960-CL
LUSC--1960-TH
MALS--1960-RA
MASY--1960-DI
MEAR--1960-A
MEAR--1960-AN
MEAR--1960-IN
MEAR--1960-P
MENG--1960-ME
MYER--1960-DI
NAHJ--1960-CO
NEWR--1960-DI
NIJG--1960-PR
OCOF--1960-VI
OGBR--1960-EV
OGBR--1960-NU
OGBR--1960-RA
ORAM--1960-TH
PALK--1960-AB
PETR--1960-A
PETR--1960-AL
PETR--1960-AN
PETR--1960-TH
PETR--1960-TO-01
PETR--1960-TO-02
RABJ--1960-IS
RABJ--1960-LI
RABJ--1960-LO
RABJ--1960-ST
REIR--1960-P
REIW --1960-ME
REIW--1960-TU
REIW--1960-TY
ROSB--1960-HO
ROSB--1960-MO
ROSB--1960-RA
ROSSR--1960-ST
ROTMB--1960-PE
ROTS--1960-AN
SALH--1960-TH
SCHS--1960-AU
SCHS--1960-SY-01

SCHS--1960-SY-02
SCHS--1960-TR
SCOK--1960-PL
SEAG--1960-EF
SMIW--1960-DE
SMIW--1960-ER
STAT--1960-EF
STAT--1960-EF-02
STEB--1960-BI
STID--1960-CO
STRR--1960-DE
TOWJ--1960-DE
TOWJ--1960-ST
TRUS--1960-LY
UNKNOWN--1960-A
VANM--1960-CU
VANM--1960-IS
VARL--1960-IO
WALDH--1960-A
WALH--1960-SY
WEAJOH--1960-EX
WEIC--1960-IN
WESC--1960-AN
WESC--1960-TH-01
WESC--1960-TH-02
WESC--1960-TH-03
WILA--1960-NU
WILJ--1960-OP
WINE--1960-CR
WISE--1960-ME
WOHG--1960-AN
WOHG--1960-CH
WOHG--1960-CI
WOHG--1960-IN
WOHG--1960-ME
WOHG--1960-OR
WOHG--1960-RA
YALR--1960-PA
YOUG--1960-ST
YOUJ--1960-EX

**1960-1964**
JACMEL--1960-1964-A

**1961**
ABTA--1961-AM
ABTA--1961-CA
ABTA--1961-DE
ABTA--1961-RE
ABTA--1961-RO
ABTA--1961-TI
ARVJ--1961-DE
BALV--1961-KI
BALW--1961-RE
BARH--1961-PO
BENMA--1961-PE
BERS--1961-CO
BERS--1961-ST-01
BERS--1961-ST-02
BERS--1961-ST-03
BICJ--1961-TH
BLUA--1961-RA
BODR--1961-TH
BOLE--1961-A
BREE--1961-IO
BREE--1961-TH
BUSJ--1961-NU
CAMJOH--1961-TH
CHOS--1961-TH
CLAR--1961-A
CLOA--1961-SI
CORL--1961-A
DARJ--1961-VA
DRAA--1961-DI
DRAA--1961-SY
DRAA--1961-UP
DUNA--1961-TR
EBER--1961-RA
FELI--1961-QU
FIET--1961-NE
FIET--1961-SI
FISE--1961-ME
FLEW--1961-PH
FLOW--1961-RE
GARM--1961-TH
GOLR--1961-CA-01
GOLR--1961-CA-02
GREJ--1961-TH
GRER--1961-BI
GRER--1961-ME
HALC--1961-SA
HALC--1961-ST
HALJ--1961-SU
HALTE--1961-ST
HAMGEO--1961-FE
HEIH--1961-CA
HEIH--1961-CO
HEIH--1961-IM
HEIH--1961-MU
HING--1961-EF
HING--1961-EX
HING--1961-PU
HLAC--1961-A
HLAC--1961-SO
HOFEJ--1961-EX
IMAJ--1961-ST
JACL--1961-EV
JERF--1961-CI
JERF--1961-ME
JOHP--1961-DE
JORJ--1961-DE
KAMH--1961-A
KAMH--1961-ST
KANO--1961-AP
KANO--1961-UL
KASW--1961-DE
KAWB--1961-RE
KEYW--1961-IN
KINE--1961-US
KIRW--1961-EF
KIRW--1961-SA
KNOJ--1961-IR
KORD--1961-DU
KORD--1961-EL
KORD--1961-FE
KORD--1961-OR
KORD--1961-RA
KORD--1961-TH
KORD--1961-TR
KRUE--1961-TH
LEEN--1961-ST
LEVL--1961-IM
LEVL--1961-IN
LEVL--1961-UP
LOHW--1961-EF
LOHW--1961-IN
LOHW--1961-MO
LOHW--1961-RA
LOHW--1961-RE
LOHW--1961-ST
LUSC--1961-CL
LUSC--1961-DE
LUSC--1961-PR
MALS--1961-TR
MASY--1961-DI
MAYR--1961-LY
MEAJ--1961-AR
MEAR--1961-IN
MEAR--1961-PH
MENG--1961-AP
MENG--1961-ME
MOSR--1961-ST
MOSW--1961-EV
MUNT--1961-CL
NEWR--1961-DI
OGBR--1961-NU
OGBR--1961-ST
OLIL--1961-EF
ORAM--1961-TH
PALK--1961-AB
PARJ--1961-TH
PETE--1961-EF
PETR--1961-BO
PETR--1961-CO
PETR--1961-TO-01
PETR--1961-TO-02
PETR--1961-TO-03
PITJ--1961-AC

RABJ--1961-IS
RABJ--1961-LI
RABJ--1961-LO
REIW--1961-AP
REIW--1961-ME
REIW--1961-TY
ROSB--1961-MO
ROTMB--1961-PE
SCOK--1961-PL
SEAG--1961-EF
SHARA--1961-ME
SMIW--1961-DE
SMIW--1961-ER
STID--1961-PB
STRR--1961-DE
TOBCOR--1961-HI
TORE--1961-FA
TOWJ--1961-AQ
TOWJ--1961-DE
TOWJ--1961-ST
TSAP--1961-ES
TURJ--1961-IM
UNKNOWN--1961-TH
VESJ--1961-FA
VONS--1961-AU
VONS--1961-SY-01
VONS--1961-SY-02
VONS--1961-TR
WALDH--1961-A
WALDH--1961-SI
WALH--1961-SY-01
WALH--1961-SY-02
WESC--1961-AN
WESC--1961-DI
WESC--1961-TH-01
WESC--1961-TH-02
WILJ--1961-OP
WINE--1961-CH
WOHG--1961-ME-01
WOHG--1961-ME-02
YALR--1961-DE
YALR--1961-RA
YOUG--1961-ST
YOUJ--1961-CA
ZANH--1961-IN

**1961-1962**
FURJ--1961-1962-RE
SIRWIL--1961-1962-PR

**1961-1963**
HUGHAR--1961-1963-EX

**1961-1965**
LERGEO--1961-1965-TH

**1961-1972**
SANEUG--1961-1972-RA

**1962**
ABTA--1962-DE
ABTA--1962-RO
BARH--1962-PO
BERH--1962-WI
BERS--1962-CO
BERS--1962-ST-01
BERS--1962-ST-02
BERS--1962-ST-03
BLAW--1962-IN
BLUA--1962-RA
BODR--1962-TH
BOLE--1962-A
BREE--1962-IO
BREE--1962-TH
BUSJ--1962-NU
CARW--1962-HU
CHOS--1962-TH
CLAR--1962-A
COLLR--1962-EF
COLR--1962-BI
CORL--1962-A
COUL--1962-TI
CUMW--1962-MO
DARJ--1962-VA
DARJ--1962-VA-02
DAYA--1962-TE
DRAA--1962-SY
DUNA--1962-TR
EBER--1962-RA
EISMER--1962-SO
ELLR--1962-EF
FEDB--1962-MO
FELI--1962-QU
FIET--1962-NE
FIET--1962-SI
FISE--1962-ME
FISE--1962-SI
FLOW--1962-RE
GOLR--1962-CA-01
GOLR--1962-CA-02
GOMR--1962-DI
GOOJ--1962-EF
GOOJ--1962-IM
GRER--1962-BI
GRER--1962-ME
HALC--1962-ST
HALJ--1962-SU
HEIH--1962-CA
HEIH--1962-CO
HEIH--1962-IM
HEIH--1962-MU
HEIW--1962-RA
HENH--1962-DI
HING--1962-EX
HLAC--1962-A
HLAC--1962-SO
HOLJ--1962-A
HORN--1962-TH
JERF--1962-ME
JORJ--1962-DE
KANO--1962-AP
KANO--1962-SC
KANO--1962-UL
KAPE--1962-LD
KASW--1962-TH-01
KASW--1962-TH-02
KASW--1962-US
KATJ--1962-ST
KAWB--1962-RE
KELW--1962-RA
KIRI--1962-TH
KIRW--1962-EF
KIRW--1962-SA
KONH--1962-TH-01
KONH--1962-TH-02
KORD--1962-DU
KORD--1962-FE
KORD--1962-TR
LEAW--1962-TH
LOHW--1962-EF
LOHW--1962-IN
LOHW--1962-ME
LOHW--1962-MO
LOHW--1962-RA
LOHW--1962-RE
LOHW--1962-ST
MARAJ--1962-RA
MARJ--1962-EF
MARN--1962-AP-01
MARN--1962-AP-02
MASY--1962-DI
MAYR--1962-LY
MCAR--1962-TH
MEAJ--1962-AR
MENG--1962-AP
MITJ--1962-PU
MOOB--1962-DE
MOSR--1962-ST
MOSW--1962-EV
OGBR--1962-RA-01
OGBR--1962-RA-02
OGBR--1962-SE-01
OGBR--1962-SE-02
OGBR--1962-ST
ORAM--1962-TH
PARJ--1962-TH
PETR--1962-BO
PETR--1962-EF

PETR--1962-TO-01
PETR--1962-TO-02
PHIA--1962-EF
PITJ--1962-AC
POWW--1962-AN
RABJ--1962-IS
RABJ--1962-LI
RABJ--1962-LO
REIW--1962-AP
REIW--1962-ME
REIW--1962-TY
RICHC--1962-CO
RICHC--1962-RA
SAKR--1962-VI
SHARA--1962-ME
SMIW--1962-ER
SODJ--1962-TO
TORE--1962-FA
TOWJ--1962-AQ
TOWJ--1962-DE
TOWJ--1962-ST
TSAP--1962-ES
TURJ--1962-IM
VESJ--1962-FA
VONS--1962-SY-01
VONS--1962-SY-02
VONS--1962-TR
WALDH--1962-A
WALH--1962-SY
WESC--1962-AN
WESC--1962-DI
WESC--1962-TH
WHEH--1962-IS
WOHG--1962-ME
YALR--1962-DE
YALR--1962-RA
YOUJ--1962-CA

**1963**

BARH--1963-EF
BERS--1963-ME
BERS--1963-ST-01
BERS--1963-ST-02
BERS--1963-ST-03
BINR--1963-MY
BLOART--1963-IN
BLUA--1963-RA
BREE--1963-IO
BREE--1963-TH
BUSJ--1963-NU
CARR--1963-RA
CHEE--1963-IN
COMC--1963-TH
CUMW--1963-MO
DAYA--1963-TE
DRAA--1963-SY
DUNA--1963-TR
ELLR--1963-EF
ELRH--1963-TH
FIET--1963-NE
FIET--1963-SI
FISE--1963-SI
FLIT--1963-EA
GANFRA--1963-OB
GLAS--1963-PR
GOLR--1963-CA-01
GOLR--1963-CA-02
GOMR--1963-DI
GREK--1963-BE
HAYRAY--1963-UN
HEIW--1963-RA
HING--1963-EX
HIRR--1963-US
HLAC--1963-A
HLAC--1963-BI
HLAC--1963-SO
HLAC--1963-TH
HOLC--1963-EN
JERGF--1963-ME
KANO--1963-AP
KANO--1963-FL
KANO--1963-SC
KANO--1963-UL
KAPE--1963-LD
KAPG--1963-PO
KASW--1963-DE
KASW--1963-TH
KASW--1963-US-01
KASW--1963-US-02
KAWB--1963-ME
KELW--1963-RA
KIRI--1963-RA
KNIRAL--1963-ST
KNOC--1963-PA
KNOJ--1963-PR
KONH--1963-RE
KONH--1963-TH
LEAW--1963-TH
LIPS--1963-VI
LITD--1963-ME
MAC--1963-ES
MACW--1963-RA
MARAJ--1963-RA
MARJ--1963-EF
MARN--1963-AP
MCAR--1963-UL
MEAJ--1963-AR
MELP--1963-HI
MOOB--1963-DE
MORR--1963-RA
MOSR--1963-ST
MOSW--1963-EV
OGBR--1963-SE
OGBR--1963-ST
ORAM--1963-TH
PHIA--1963-EF
PITJ--1963-AC
POWE--1963-EV
RABJ--1963-IS
RABJ--1963-LO
RABJ--1963-ME
RADC--1963-RA
REIW--1963-AP
REIW--1963-ME
REIW--1963-TY
ROBJ--1963-TI
ROSR--1963-A
ROTM--1963-FA
SASA--1963-UP
SEAG--1963-PH
SHAIRA--1963-ID
TOWJ--1963-ME
TOWJ--1963-ST
TURJ--1963-CU
TURJ--1963-IM
TURJ--1963-RA-01
TURJ--1963-RA-02
TURJ--1963-RE
TURJ--1963-RO
TURJ--1963-TY
VANM--1963-TH
VESJ--1963-FA
VESJ--1963-TH
VOGFRE--1963-EF
WALDH--1963-A
WARR--1963-SI
WESC--1963-AN
WESC--1963-DI
WHEH--1963-IS
WHEH--1963-RA
WOOA--1963-SE
YALR--1963-RA

**1963-1964**

PALH--1963-1964-DE

**1963-1965**

HAWC--1963-1965-CO
PAUC--1963-1965-TH

**1963-1966**

CAMM--1963-1966-TH
GRAEDG--1963-1966-US

**1963-1970**

PAUC--1963-1970-EF

*Sources and Documentation*

**1963-1974**
BERJER--1963-1974-EF

**1963-1975**
HELCAR--1963-1975 -EF
HELCAR--1963-1975-TH

**1964**
ABTA--1964-AS
ABTA--1964-RE
ABTA--1964-RO
BARH--1964-EF
BERS--1964-ME
BERS--1964-ST-01
BERS--1964-ST-02
BERS--1964-ST-03
BINR--1964-MY
BLAW--1964-IN
BREE--1964-TH
BUSJ--1964-NU
CARR--1964-RA
CARW--1964-HU
CHOS--1964-TH
ELRH--1964-PR
FEDB--1964-EV
FIET--1964-SI
GAFGEO--1964-EN
GLAS--1964-PR
GOLR--1964-CA-01
GOLR--1964-CA-02
GOMR--1964-DI
GREK--1964-BE
HAIJ--1964-FA
HIRR--1964-US
HLAC--1964-BI
HLAC--1964-SO
HOLC--1964-EN
IMAJ--1964-AN
IMAJ--1964-EF
IMAJ--1964-GL
IMAJ--1964-ME
IMAJ--1964-PH
IMAJ--1964-ST-01
IMAJ--1964-ST-02
JERF--1964-ME
KANO--1964-FL
KANO--1964-UL
KAPG--1964-PO
KAWB--1964-ME
KIRI--1964-TH
KIRW--1964-EF
KIRW--1964-SA
KNOC--1964-PA
KNOJ--1964-PR
LEAW--1964-TH
LEVS--1964-TH
LIPS--1964-VI
LITD--1964-ME
LOHW--1964-EF
LOHW--1964-EL
LOHW--1964-ME
LOHW--1964-RA
LOHW--1964-RE
LYOHAR--1964-LO
MACW--1964-RA
MALS--1964-IN
MARN--1964-AP
MCAR--1964-AN
MELP--1964-HI
MURH--1964-EF
ODEC--1964-UL
OESY--1964-NE
OGBR--1964-SE
OGBR--1964-ST
ORAM--1964-TH
PETR--1964-CO
PETR--1964-TO-01
PETR--1964-TO-02
PETR--1964-TO-03
PITJ--1964-AC
POWE--1964-EV
PREB--1964-EF
RABJ--1964-LO
RABJ--1964-ME
REIW--1964-AP
REIW--1964-ME
REIW--1964-TY
ROSB--1964-RA-01
ROSB--1964-RA-02
ROSB--1964-SO
ROSH--1964-BI
ROSR--1964-A
ROTM--1964-FA
SASA--1964-UP
SCHS--1964-IN
SEAG--1964-PH
SEAG--1964-RA
SMYF--1964-TR
TOWJ--1964-ME
TOWJ--1964-ST
TSAP--1964-ES
TURJ--1964-EV
TURJ--1964-IM
TURJ--1964-RA-01
TURJ--1964-RA-02
TURJ--1964-RE
TURJ--1964-RO
TURJ--1964-TY
VESJ--1964-FA
VESJ--1964-TH
VOGFRE--1964-PL
WESC--1964-DI
WESC--1964-TH
WHEH--1964-IS
WHEH--1964-RA
WOOA--1964-SE
YALR--1964-RA
YOKH--1964-EF
YOUJ--1964-CA

**1964-1965**
MACPAU--1964-1965-BO
MACPAU--1964-1965-CA

**1964-1970**
MARVIC--1964-1970-SU

**1964-1974**
REIARN--1964-1974-TU

**1964-1975**
RICROB--1964-1975-ST

**1965**
ABTA--1965-AS
ABTA--1965-RE
ABTA--1965-RO
BARH--1965-EF
BARH--1965-TE
BEAT--1965-DI
BENPM--1965-RA
BERS--1965-ST-01
BERS--1965-ST-02
BERS--1965-ST-03
BINR--1965-MY
BLAW--1965-BI
BLAW--1965-IN
BRAE--1965-TE
BRUDAN--1965-CE
BUSB--1965-US
CARR--1965-RA
CARW--1965-HU
CAVR--1965-EV
COOJ--1965-DE
CRAC--1965-EX
DUNA--1965-AP
FEDB--1965-EV
FIET--1965-SI
GOLF--1965-TH-01
GOLF--1965-TH-02
GOLF--1965-TH-03
GOMR--1965-DI
GREK--1965-BE
HAIJ--1965-FA
HAMD--1965-ME
HLAC--1965-SO
IMAJ--1965-AN
IMAJ--1965-ME

IMAJ--1965-PH
IMAJ--1965-ST-01
IMAJ--1965-ST-02
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JOHA--1965-RE
KANO--1965-AP
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KAWB--1965-ME
KIRI--1965-TH
KIRW--1965-EF
KIRW--1965-SA
KNOJ--1965-PR
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LEOL--1965-CH
LEVS--1965-ME
LEVS--1965-TH
LIPS--1965-VI
LITD--1965-ME
LOHW--1965-EL
LOHW--1965-ME
LOHW--1965-RE
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MALS--1965-IN
MARN--1965-AP
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MORH--1965-IM
NASCAR--1965-PO
NORAMO--1965-US
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PETR--1965-CO
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RABJ--1965-EF
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REIW--1965-AP
REIW--1965-ME
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ROSB--1965-RA-01
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SHAB--1965-IO
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TOWJ--1965-ST
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TURJ--1965-RO
TURJ--1965-TY
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VOGFRE--1965-TI
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WETL--1965-RA
WHEH--1965-IS
WHEH--1965-RA
WOOA--1965-SE
YALR--1965-RA
YOKH--1965-EF
YOUJ--1965-CA
ZIMY--1965-EF

**1965-1966**

BENMA--1965-1966-TH
EDWC--1965-1966-TO
FISCRA--1965-1966-RE
LEACAR--1965-1966-BI
VOGFRE--1965-1966-EF-01
VOGFRE--1965-1966-EF-02
YOUDR--1965-1966-GL

**1965-1967**

VEOR--1965-1967-US

**1966**

ABTA--1966-AS
ABTA--1966-RE
ABTA--1966-RO
ANDGOU--1966-HE
BALE--1966-A
BARH--1966-EF
BARH--1966-TE
BENPM--1966-RA
BERS--1966-ST-01
BERS--1966-ST-02
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BINR--1966-MY
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BLAW--1966-IN
BLOA--1966-HI
BUSB--1966-US
CANS--1966-PE
CARJAM--1966-TH
CARR--1966-RA
CARW--1966-HU
CAVR--1966-EV
CHOR--1966-OR
COHG--1966-IR
COMF--1966-SP
CONROB--1966-TH
COOJ--1966-DE
COOP--1966-A
CRAC--1966-EX
DAVR--1966-EF
DENG--1966-NE
DUNA--1966-AP
FELB--1966-EV
FIET--1966-SI
GOHK--1966-TH
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GOLF--1966-TH-02
GOLF--1966-TH-03
GOMR--1966-DI
HAIJ--1966-FA
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HLAC--1966-SO
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IMAJ--1966-EF
IMAJ--1966-ME
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LOHW--1966-RA
LOHW--1966-RE
LUSC--1966-VA
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MARN--1966-AP
MORBER--1966-HY
MORH--1966-IM

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NASE--1966-CH
ODEC--1966-UL
OESY--1966-NE
OGBR--1966-ST
PETR--1966-CO
POWE--1966-EV
PREB--1966-EF
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ZIMY--1966-EF-02

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NOVE--1967-TR
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OTOJ--1967-LI
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PATD--1967-BR-01
PATD--1967-BR-02
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RABJ--1967-ST

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RABJ--1967-TH
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YALR--1967-RA
ZIEL--1967-AP
ZIEL--1967-EF

**1967-1968**
DONCHA--1967-1968-TH
VOSGEO--1967-1968-X-

**1967-1969**
BOHBYR--1967-1969-PR
FULJAM--1967-1969-RE

**1968**
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BARA--1968-PR
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BURB--1968-TH
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DIGW--1968-SC-01
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DOHJ--1968-ME
DRAA--1968-EV
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EISS--1968-A
ENDLAW--1968-ME

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FIET--1968-SI
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FINA--1968-VI
FLOW--1968-CO
FRENE--1968-TH
FRENE--1968-VI
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GENS--1968-BO
GLIS--1968-ST
GOLF--1968-CO
GOLF--1968-EV
GOLF--1968-TH
GOOD--1968-DE
GOOD--1968-NE
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GORR--1968-ST-01
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GRAL--1968-TH
GREL--1968-IS
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GRER--1968-PR
GRIJ--1968-ST
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HAYMAR--1968-ST
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HENG--1968-ES
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SALW--1968-UR-02
SASA--1968-DI
SAUB--1968-PI
SCHA--1968-TH
SCHALA--1968-SU
SCHM--1968-LI
SCHS--1968-ME
SEAG--1968-ME
SELJ--1968-EV
SELJ--1968-VA-01
SELJ--1968-VA-02
SHER--1968-ST
SHOA--1968-LI
SLID--1968-FO
SLID--1968-TH-01
SLID--1968-TH-02
SMAM--1968-CL
SMAM--1968-CO
SMIC--1968-EA
SMIR--1968-ES
SPOL--1968-ST
STAM--1968-EV
STRJ--1968-RA
TAKT--1968-TH
TALJ--1968-QU
TALJ--1968-RA
TORE--1968-BE
TORE--1968-IS
TORE--1968-ST
TOWJ--1968-AM
TREJOH--1968-EF
TRUS--1968-TH
TUBM--1968-I
TUBM--1968-RA
TUBM--1968-TO
VIRC--1968-AN
VONS--1968-GL
VONS--1968-SU
WALB--1968-ME
WALJ--1968-ME
WALW--1968-CA
WALW--1968-PO
WARH--1968-TH
WARH--1968-US
WATR--1968-EX
WEAJ--1968-CO
WEAJ--1968-EL
WEIP--1968-IN
WELJ--1968-AS
WERJ--1968-PR
WHEH--1968-RA
WHIR--1968-CO-01
WHIR--1968-CO-02
WILA--1968-AS
WILA--1968-IN
WILG--1968-IN
WILG--1968-ST
WILW--1968-GA
WOLJ--1968-CH
WOLJ--1968-SU
YOUROB--1968-AN
ZIEL--1968-EF-01
ZIEL--1968-EF-02
ZIEL--1968-EF-03
ZIEL--1968-EF-04

**1968-1969**
TOBCOR--1968-1969-HU

**1968-1970**
BRORL--1968-1970-TH

**1968-1973**
HOFGW--1968-1973-AP

**1968-1982**
MAZRIC--1968-1982-SK

**1969**
BAKN--1969-GL
BARA--1969-EL
BARA--1969-LI
BARA--1969-PR
BASREE--1969-EF
BEIWIL--1969-RA
BENPM--1969-EX
BERS--1969-RA
BERS--1969-ST-01
BERS--1969-ST-02
BERS--1969-ST-03
BLAW--1969-24
BLAW--1969-EF
BLAW--1969-EL
BLAW--1969-EV
BLAW--1969-RE
BLAW--1969-ST
BLAW--1969-TR-01
BLAW--1969-TR-02
BLOA--1969-RA
BRIA--1969-AB
BRIA--1969-CR
BRIA--1969-EX
BRIA--1969-RA
BRIA--1969-RI
BRIA--1969-SI
BROD--1969-DI
BROD--1969-US
BUCD--1969-A
BUCD--1969-MU
BUCD--1969-RA
CARJ--1969-PH
CARR--1969-RA
CAVP--1969-RA
CAVR--1969-TH
CAVR--1969-UT
CIVM--1969-CO
COHM--1969-JO
COHM--1969-LU
COOJ--1969-ST
CZEO--1969-EV
DEBA--1969-RO
DEMCHA--1969-EF
DIGW--1969-ST
EISE--1969-AC
ELGSTE--1969-TH
ESKC--1969-EF
FIEM--1969-EV
FIET--1969-SI
FLOW--1969-CO
FRENE--1969-VI
GENS--1969-BO
GLAJ--1969-AN
GLAJ--1969-RE
GLAJ--1969-SE
GLAJ--1969-SU
GLAJ--1969-TH-01
GLAJ--1969-TH-02
GLIS--1969-ST
GOLF--1969-EV
GOLF--1969-EX
GOLS--1969-SI

GOOD--1969-DE
GOOP--1969-CH
GORR--1969-ST
GORR--1969-US
GREL--1969-IS
GRER--1969-BI-01
GRER--1969-BI-02
GRER--1969-PR
GRER--1969-ST
GRIJ--1969-ST
HABM--1969-IN
HACJ--1969-VA
HAHK--1969-NE
HALJ--1969-A
HALJ--1969-EF
HAYMAR--1969-PR
HAYMAR--1969-ST
HAYMAR--1969-TH-01
HAYMAR--1969-TH-02
HENE--1969-EF
HENG--1969-DN
HIRE--1969-LI
HOFB--1969-RA
HORJ--1969-A
HORJ--1969-QU
IMAJ--1969-AN
IMAJ--1969-ME
IMAJ--1969-RA
IMAJ--1969-SE
IMAJ--1969-ST-01
IMAJ--1969-ST-02
IMAJ--1969-ST-03
IMAJ--1969-ST-04
IRVC--1969-ON
JACJ--1969-IR
JOHA--1969-LA
JOHE--1969-DE
JOYJ--1969-ME
JOYJ--1969-VA
JUNC--1969-ID
JUNC--1969-IN
JUNC--1969-LI
JUNC--1969-NA
JUNC--1969-SU
KAPE--1969-CO
KAPE--1969-DE
KAPE--1969-TH
KIRI--1969-TH
KLIH--1969-IN
LAFJ--1969-EL
LAREDW--1969-HE
LAWD--1969-ST
LEFE--1969-UR
LEIP--1969-RA
LEPA--1969-IM
LERS--1969-DE
LERS--1969-SP
LEWR--1969-WA
LINR--1969-BI
LINR--1969-EF-01
LINR--1969-EF-02
LINR--1969-TH-01
LINR--1969-TH-02
LINR--1969-TS
LISH--1969-A
LOGDON--1969-A
LOGDON--1969-RE
LUSC--1969-RE
MACA--1969-LE
MANJ--1969-IR
MANJ--1969-LU
MANJ--1969-SE
MATJ--1969-AL
MCAR--1969-A
MCCK--1969-ME
MCCK--1969-TR
MCCM--1969-BL
MEAR--1969-CO
MEAR--1969-EV
MEAR--1969-GA
MEAR--1969-RE
MEAR--1969-ST
MILA--1969-A
MILA--1969-EF
MILA--1969-ST
MILA--1969-TH
MURH--1969-RE
MURH--1969-US
NATM--1969-HI
NEES--1969-AM
NEES--1969-PR
NELW--1969-IN
NOVE--1969-TR
OESY--1969-NE
PATD--1969-BR-01
PATD--1969-BR-02
PAYC--1969-UL
PETR--1969-BO
PETR--1969-CO
PETR--1969-TH
PIRF--1969-A
PIRF--1969-IN
PIRF--1969-PU
PIRF--1969-WH
PITJ--1969-DI
PITJ--1969-EF
PITJ--1969-EN
PITJ--1969-RA
PITJ--1969-SE
PITJ--1969-ST
PITJ--1969-TH
POHG--1969-VE
RABJ--1969-FA
RABJ--1969-ID
RABJ--1969-RE
RABJ--1969-ST
REDJ--1969-ST
REMA--1969-EF
RICC--1969-EF-01
RICC--1969-EF-02
RICC--1969-HE
ROTB--1969-EV
ROTM--1969-FA
SASA--1969-DI
SAUB--1969-PI
SCHM--1969-LI
SCHP--1969-GL
SCHS--1969-ME
SCHS--1969-RO
SCHS--1969-SY
SEAG--1969-IN
SEAG--1969-ME
SELJ--1969-ME
SELJ--1969-SE
SELJ--1969-VA-01
SELJ--1969-VA-02
SELJ--1969-VA-03
SHER--1969-ST
SIEL--1969-MI
SIEL--1969-TP
SLID--1969-FO
SMAM--1969-CL
SMAM--1969-CO
SMIC--1969-EA
STAM--1969-EV
STAM--1969-PA
STRJ--1969-RA
TAKT--1969-TH
TORK--1969-ST
TOWJ--1969-AM
TUBM--1969-RA
TUBM--1969-TO
WALB--1969-ME
WALW--1969-PO
WARM--1969-VE
WATS--1969-EX
WELJ--1969-AS
WENJ--1969-HY
WERJ--1969-PR
WHEH--1969-LA
WILA--1969-AS
WILA--1969-IN-01
WILA--1969-IN-02
WILG--1969-IN
WILG--1969-ST
WINM--1969-US
WISP--1969-CO
YOUROB--1969-I-

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**1969-1970**
BUDTHO--1969-1970-VI
CAVC--1969-1970-TH
HANEW--1969-1970-BI
HYAKEN--1969-1970-HE
JOHPHI--1969-1970-BL
MACPAU--1969-1970-BO
MCNPET--1969-1970-LI
TOBCOR--1969-1970-RA

**1969-1973**
LEACAR--1969-1973-EN
NELW--1969-1973-TO

**1969-1977**
ULTJ--1969-1977-PA

**1970**
AMSS--1970-ST
ANGL--1970-DE
BAKN--1970-GL
BARA--1970-EL
BARA--1970-LI
BARA--1970-PR
BECK--1970-TH
BENM--1970-ME
BERS--1970-ST
BLAW--1970-24
BLAW--1970-EF
BLAW--1970-EV
BLAW--1970-ST
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BLOA--1970-RA
BROD--1970-DI
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BUCD--1970-A
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CARR--1970-RA
CAVP--1970-RA
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CAVR--1970-UT
COHD--1970-BI
COHD--1970-HU
COHM--1970-EV
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COHM--1970-LU
COOJ--1970-ST
CROP--1970-AM
CROP--1970-OR
CZEO--1970-EV
DEBA--1970-RO
DIGW--1970-A
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DONCHA--1970-EF
DRAA--1970-SC
EVAJ--1970-RA
FANS--1970-PI
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FLOW--1970-CO
FRENE--1970-VI
GENS--1970-BO
GOLF--1970-EV
GOLF--1970-EX
GOOD--1970-DE
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GREL--1970-IS
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GRER--1970-ST
GRIJ--1970-ST
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HAHK--1970-NE
HALJ--1970-TH
HALS--1970-99-01
HALS--1970-99-02
HAYMAR--1970-PR
HAYMAR--1970-ST
HAYMAR--1970-TH-01
HAYMAR--1970-TH-02
HENE--1970-EF
HENG--1970-DN
HIRE--1970-LI
HOFB--1970-RA
HOOJ--1970-ES-01
HOOJ--1970-ES-02
HOOJ--1970-ST
HOOJ--1970-TH
HORJ--1970-QU-01
HORJ--1970-QU-02
IMAJ--1970-ST-01
IMAJ--1970-ST-02
JACJ--1970-IR
JOHA--1970-CA
JOHA--1970-GA-01
JOHA--1970-GA-02
JOHA--1970-LA
JOHA--1970-MO
JOHE--1970-DE
JUNC--1970-ID
JUNC--1970-LI
JUNC--1970-NA
JUNC--1970-SU
KLIH--1970-IN
KRIG--1970-SC
LAWD--1970-ST
LEFE--1970-UR
LEIP--1970-RA
LEPA--1970-IM
LEWJ--1970-AS
LEWR--1970-WA
LISH--1970-A
MAHV--1970-GA
MAHV--1970-ST
MAHV--1970-SY
MALJ--1970-VA
MANJ--1970-IR
MANJ--1970-LU
MANJ--1970-SE
MATB--1970-DE
MATJ--1970-AL
MCAR--1970-A
MCCK--1970-TR
MCCM--1970-BL
MEAR--1970-A
MEAR--1970-CO
MEAR--1970-EV
MEAR--1970-GA
MEAR--1970-RA
MESL--1970-DE
MESL--1970-IM
MESL--1970-PH
MESL--1970-UT
MILA--1970-A
MILA--1970-EF
MILA--1970-ST
MILA--1970-TH
MURH--1970-RE
MURH--1970-US
NATM--1970-HI
NEES--1970-AM
NEES--1970-PR
NELW--1970-IN
NOVE--1970-TR
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PALM--1970-RE
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PATD--1970-BR-02
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POHG--1970-VE
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RICC--1970-EF
RICC--1970-HE
RICROB--1970-CH
RIVJ--1970-MU
RIVJ--1970-RA
RIVJ--1970-SE
RIVJ--1970-SU

ROTM--1970-FA
SAUB--1970-PI
SAUB--1970-SK
SCHM--1970-LI
SCHS--1970-ME
SEAG--1970-IN
SEAG--1970-ME
SHER--1970-ST
SIEL--1970-MI
SIEL--1970-TP
SLID--1970-FO
SMAM--1970-CL
SMIC--1970-EA
SPRS--1970
STAM--1970-EV
STAM--1970-PA
STAR--1970-EV
STAR--1970-SE
TORE--1970-BE
TORE--1970-ID
TORE--1970-IS
TORE--1970-ST
TORK--1970
TUBM--1970
VINM--1970-CO
WALW--1970-PO
WARM--1970-VE
WATR--1970-EX
WENJ--1970-HY
WERJ--1970-PR
WILA--1970-AS
WILA--1970-IN
WILG--1970-IN
WILG--1970-ST
WINM--1970-DE
ZIEL--1970-EF-01
ZIEL--1970-EF-02
ZIEL--1970-EF-03

**1970-1971**

BEAVAN--1970-1971-DI
BUDTHO--1970-1971-VI
CHAPK--1970-1971-OB
JOHPHI--1970-1971-PA
LEACAR--1970-1971-EF
RAMPAU--1970-1971-CO

**1971**

ALVI--1971-CH
AXLS--1971-TH
BAKN--1971-GL
BALALA--1971-TH
BAYD--1971-PA
BEAT--1971-IR
BECK--1971-EF
BENM--1971-ME
BERS--1971-ST
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BLAW--1971-RE
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BROI--1971-A
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CIVM--1971-CO
CLAG--1971-SI
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COHM--1971-EV
COHM--1971-JO
COHM--1971-LU
COHS--1971-AT
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CZEO--1971-EV
DALG--1971-A
DALG--1971-TH
DRAA--1971-DY
DRAA--1971-SC
DUNM--1971-CA-01
DUNM--1971-CA-02
EISE--1971-AC
EPSMUR--1971-RE-01
EPSMUR--1971-RE-02
FIEM--1971-EV
FLOW--1971-CO
FOGM--1971-EV
FOGM--1971-LA
FRENE--1971-ST
GENS--1971-BO
GINR--1971-AN
GLAJ--1971-AN
GLEH--1971-ST
GOOD--1971-DE
GORR--1971-MY
GORR--1971-ST-01
GORR--1971-ST-02
GRAL--1971-TH
GREF--1971-EV
GRIJ--1971-ST
HAHH--1971-NE
HAIE--1971-ST
HALJ--1971-A
HAMMD--1971-AP
HAYH--1971-IS
HAYH--1971-ME
HAYMAR--1971-EF
HAYMAR--1971-IN
HAYMAR--1971-PR
HAYMAR--1971-TH
HEAJ--1971-HY
HENE--1971-EF
HOFB--1971-RA
HOFJ--1971-RN
HOGJ--1971-QU
HOOJ--1971-ES
HOOJ--1971-ST
HOOJ--1971-TH
HORJ--1971-A
ISAR--1971-ST
JACC--1971-TH
JACJ--1971-IR
JOHA--1971-CA
JOHA--1971-GA-01
JOHA--1971-GA-02
JOHA--1971-LA
JOHA--1971-MO
JOHR--1971-DE
JUNC--1971-ID
JUNC--1971-LI
JUNC--1971-NA
KAPE--1971-CO
KAWB--1971-CO
KIRI--1971-TH
KLIH--1971-IN
KRIG--1971-SC
LAFJ--1971-EL
LEACAR--1971-AD
LEFE--1971-UR
LEIP--1971-EF
LEIP--1971-RA
LERS--1971-TH
LINR--1971-BI
LINR--1971-EF-01
LINR--1971-EF-02
LINR--1971-ME
LINR--1971-TH-01
LINR--1971-TH-02
LINR--1971-TS
LISH--1971-A
MAAM--1971-EF
MACA--1971-CE
MACA--1971-LE
MACA--1971-WI
MAHV--1971-ST
MAHV--1971-SY
MATB--1971-DE
MATJ--1971-AL
MCAR--1971-A

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MCCK--1971-IN
MCCK--1971-ME
MCCK--1971-RE
MCCK--1971-RO
MCCK--1971-SE-01
MCCK--1971-SE-02
MCCK--1971-TR
MEAR--1971-CA
MEAR--1971-CL
MEAR--1971-EV
MEAR--1971-GA
MEAR--1971-RA
MEAR--1971-RE
MEAR--1971-ST
MILA--1971-EF
MILA--1971-ST
MITHUG--1971-PO
MOSR--1971-EF
MOSR--1971-HI
NELW--1971-IN
OESY--1971-NE
OTTD--1971-IN
PATD--1971-BR-01
PATD--1971-BR-02
PAYC--1971-UL
PETR--1971-RA
PIRF--1971-A
PIRF--1971-DA
PIRF--1971-IN
PIRF--1971-PU
PIRF--1971-WH
PITJ--1971-AC
PITJ--1971-CL-01
PITJ--1971-CL-02
PITJ--1971-DI
PITJ--1971-EF
PITJ--1971-EN
PITJ--1971-HY
PITJ--1971-ME
PITJ--1971-RA
PITJ--1971-SE
PITJ--1971-ST
PITJ--1971-SY
PITJ--1971-TH
POHG--1971-VE
RABJ--1971-ST
RABJ--1971-TH
RICC--1971-EF
RICC--1971-HE
RIVJ--1971-RA
RIVJ--1971-SE
ROTB--1971-DO
ROTM--1971-RA
ROYLEW--1971-HI
SAED--1971-IN
SASA--1971-DI
SAUB--1971-CO
SAUB--1971-PI
SAUB--1971-SK
SCHM--1971-LI
SCHP--1971-GL
SCHS--1971-ME
SCHS--1971-RO
SEGVIN--1971-PA
SELJ--1971-ME
SELJ--1971-SE
SELJ--1971-VA-01
SELJ--1971-VA-02
SHER--1971-ST
SIGCUR--1971-TH
SLID--1971-FO
SMAM--1971-CO
SOLA--1971-BI
SOLA--1971-EF
SOLA--1971-NU
SOLA--1971-UT
STAR--1971-CA
STAR--1971-EV
TAKT--1971
TAYK--1971
TORK--1971
TUBM--1971-EV
TUBM--1971-IN
TUBM--1971-RA
TUBM--1971-TC-01
TUBM--1971-TC-02
TUBM--1971-TO
WAGM--1971-CL
WAGW--1971-TH
WALJ--1971-CL
WALL--1971-IN
WATR--1971-RE
WERJ--1971-PR
WHEH--1971-LA
WILA--1971-AS
WILA--1971-IN
WINM--1971-CA
WINM--1971-DE-01
WINM--1971-DE-02
WINM--1971-US
YOUS--1971-UR
ZIEL--1971-EF

**1971-1972**

JOHPHI--1971-1972-BO
JOHPHI--1971-1972-VA
MACPAU--1971-1972-ST
TOBCOR--1971-1972-BI

**1972**

ABDH--1972-EF
AEHJ--1972-VA
ALVI--1972-CH
AMSS--1972-ST
ANDROB--1972-LO
AUEO--1972-EF
BARA--1972-PR
BARROB--1972-PO
BAYD--1972-BO
BAYD--1972-PA
BENM--1972-ME
BERR--1972-RA
BERS--1972-ST
BETR--1972-DI
BLAW--1972-EF
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COHM--1972-DE
COHM--1972-LU
CZEO--1972-EV
DALD--1972-TI
DALG--1972-TH
DEBA--1972-RO
DELF--1972-AU
DELF--1972-CL
DELF--1972-PO
DUNM--1972-CA-01
DUNM--1972-CA-02
DURPAT--1972-PL
EISE--1972-AC
EISJ--1972-NO
FIEM--1972-EV
FLOW--1972-CO
FOSR--1972-TH
FRENE--1972-ST-01
FRENE--1972-ST-02
GENS--1972-BO
GOODD--1972-DE

GOUKEN--1972-RO
GRAL--1972-TH
GREF--1972-EV
HADH--1972-ME
HAGE--1972-ST
HAHH--1972-NE
HAMG--1972-US
HAMIJ--1972-BI
HAML--1972-AP
HANDAV--1972-AT
HAYMAR--1972-EF
HAYMAR--1972-IN
HAYMAR--1972-RE
HAYMAR--1972-ST-01
HAYMAR--1972-ST-02
HAYMAR--1972-TH
HENR--1972-TH
HIRE--1972-LI
HOFJ--1972-IN
HOOJ--1972-ES
HOOJ--1972-ST
HOOJ--1972-TH
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KAPE--1972-EX
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KOVP--1972-NI
KRIG--1972-SC
KURN--1972-X
LAFJ--1972-EL
LEIP--1972-EF
LEIP--1972-RA
LINR--1972-BI
LINR--1972-EF
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LINR--1972-ME
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LINR--1972-TH-02
LINR--1972-TS
LISH--1972-A
MAAM--1972-EF
MACA--1972-CE
MACA--1972-WI
MAHV--1972-ST
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MCAR--1972-A
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MEAR--1972-GA
MEAR--1972-RA
MEAR--1972-RE
MEAR--1972-ST
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MILA--1972-ST
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NELW--1972-IN
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NOF--1972-CH
NORH--1972-ST
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PARKJ--1972-TE
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PATD--1972-BR-02
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SAUB--1972-PI
SAUB--1972-SK
SCHROD--1972-LI
SELJ--1972-VA
SIGCUR--1972-TH
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SLID--1972-RE
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SODJ--1972-WH
SPAIRV--1972-TH
STAR--1972-75
STAR--1972-EV
STEIJ--1972
STRGT--1972-TU
TOMJ--1972
TROR--1972
TUBM--1972
UNKNOWN--1972-DE
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WALL--1972-IN
WATR--1972-US
WEIC--1972-DI
WEIC--1972-RA
WERJ--1972-PR
WHEH--1972-LA
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WILG--1972-ST
WILR--1972-AN
WINM--1972-CA
WINM--1972-DE-01
WINM--1972-DE-02
WINM--1972-US
WOLAAR--1972-EF
WOLFJ--1972-A
YOUROB--1972-RO
ZIEL--1972-ST

**1972-1973**

CAMJOH--1972-1973-SK
DANGIU--1972-1973-PR
DUNG--1972-1973-TE
GOLHOW--1972-1973-ME
HANJAM--1972-1973-AN
HANJAM--1972-1973-PR
JACLES--1972-1973-EV
JUDPHI--1972-1973-A
JUDPHI--1972-1973-PH
KANWIL--1972-1973-DI
KANWIL--1972-1973-TH
LOCLIL--1972-1973-CY
MADMAR--1972-1973-AN
MAZRIC--1972-1973-BO-01
MAZRIC--1972-1973-BO-02
MAZRIC--1972-1973-BO-03
MAZRIC--1972-1973-BO-04
MAZRIC--1972-1973-BO-05
MAZRIC--1972-1973-PR
MUEMAR--1972-1973-CO
NICARN--1972-1973-CH

PELNOR--1972-1973-BO
PINLS--1972-1973-LI
SMIEVE--1972-1973-TH
SPECOL--1972-1973-UN
STEVJ--1972-1973-BA
WATRON--1972-1973-BO
WITROB--1972-1973-DE
WITROB--1972-1973-DU
WITROB--1972-1973-I1

**1972-1976**
SELK--1972-1976-BO

**1972-1977**
LEWTHO--1972-1977-TO

**1973**
ABBJ--1973-NE
BAIJ--1973-RA
BAKN--1973-GL
BARS--1973-TH
BASS--1973-RA
BETR--1973-DI
BLAW--1973-A
BLAW--1973-RA
BOYJ--1973-CL
BROD--1973-NE
BUCD--1973-AN
CAMPJO--1973-NE
CARJ--1973-PH
CAVP--1973-RA
CECR--1973-GA
COUELL--1973-TE
COUJ--1973-DE
DALG--1973-A
DALG--1973-ST
DAST--1973-CE
DAST--1973-LO
DONR--1973-RA
DUNM--1973-CA-01
DUNM--1973-CA-02
FLAM--1973-TH
FLEJ--1973-CO
FLEJ--1973-RA
FOSR--1973-CH
GENS--1973-BO
GRIH--1973-US
GUAA--1973-TH
GUGS--1973-TH
HAGG--1973-DO
HALJ--1973-A
HAMG--1973-TH
HANH--1973-IN-01
HANH--1973-IN-02
HARWIL--1973-US
HAYMAR--1973-PR
HAYMAR--1973-ST
HAYMAR--1973-TH
HOFF--1973-EF
HOOJ--1973-TH
HURSHE--1973-IN
ISEJ--1973-RA
JUNC--1973-LI
JUNC--1973-NA
KITM--1973-AP
KRIG--1973-TE
LEVJ--1973-RA
LINS--1973-XE
MALS--1973-RA
MALS--1973-SP
MCCK--1973-SE
MEAR--1973-CO
MEAR--1973-GA
MEAR--1973-RA
MEAR--1973-ST
MESH--1973-DE
MILA--1973-EF
MILA--1973-ST
MILM--1973-ST
MOSA--1973-EF
MOSR--1973-EF
NASCAR--1973-CH
NELW--1973
OESY--1973-NE
OLDW--1973-SE-01
OLDW--1973-SE-02
OLDW--1973-SY
PALG--1973
PARKJ--1973
POWE--1973-RA
POZR--1973-12
POZR--1973-EV
RABJ--1973-TH
REUP--1973-11
REUP--1973-99
RIVJ--1973-RA
SALI--1973-RA
SAME--1973-DE
SAME--1973-ME
SANL--1973-EF
SANL--1973-IM
SAUB--1973-CO
SCOJ--1973-IN
SHICHA--1973-TE
SHOJ--1973-RA
SILE--1973-TH
SINF--1973-DE
STEVJ--1973-CO
STRK--1973
TROR--1973
TUBM--1973-IN
TUBM--1973-TC
TUBM--1973-TE
UNKNOWN--1973-EF
UNKNOWN--1973-FL
WALJ--1973-CL
WALJ--1973-RA
WATR--1973-EX
WATR--1973-RA
WEIPHI--1973-EV
WILA--1973-AS
WILA--1973-IN
WINM--1973-CA
WINM--1973-DE-01
WINM--1973-DE-02
WINM--1973-US
WOOA--1973-BI
YALR--1973-ST
YESR--1973-IN

**1973-1974**
KIMSTE--1973-1974-CH
LEACAR--1973-1974-BI
SCHVIC--1973-1974-TH

**1973-1975**
SMIMAL--1973-1975-NU

**1973-1976**
SOSSAM--1973-1976-CL

**1974**
MALL--1974-TO
MARNEI--1974-TU
MCGRON--1974-NO
MCIDAR--1974-CI
PACNEL--1974-IN
ROP--1974-KE
ROWROB--1974-PL
STEVJ--1974-SC
WESJ--1974-TH
ZUNWAY--1974-SH

**1974-1975**
MCNPET--1974-1975-RO
MCNPET--1974-1975-VI
NICARN--1974-1975-AS

**1974-1976**
JOHPHI--1974-1976-RE

**1974-1982**
BUSS--1974-1982-PI

**1975**
CASJ--1975-CL
COHLIO--1975-NE

**1975-1976**
BAIJ--1975-1976-IN
HOFRUD--1975-1976-VI
HYAKEN--1975-1976-RE
MAZRIC--1975-1976-TO
WITROB--1975-1976-PH
WOLWIL--1975-1976-SO

**1975-1977**
JOHPHI--1975-1977-BL
KIMSTE--1975-1977-HE

**1976**
BIGS--1976-SP

**1976-1977**
MOOMAR--1976-1977-CI
NIXJV--1976-1977-EA

**1976-1978**
MICDAV--1976-1978-RA

**1977**
MAXHAR--1977-IO

**1977-1978**
MURROB--1977-1978-ST
ZAGP--1977-1978-AD

**1977-1979**
GOLD--1977-1979-CO

**1979-1980**
MAZRIC--1979-1980-PH
MAZRIC--1979-1980-TO

**1980**
MAXHAR--1980-CL

**1980-1981**
SELROB--1980-1981-CO

**1980-1982**
BUNMIC--1980-1982-DI

**1981**
FABJAC--1981-HE

**1981-1982**
FORS--1981-1982-PL
MAZRIC--1981-1982-ME

**1981-1986**
LEACAR--1981-1986-CH

**1981-1987**
HOLNOR--1981-1987-SU

**1982-1983**
LACJEF--1982-1983-MU
MAZRIC--1982-1983-TO-01
MAZRIC--1982-1983-TO-02

**1983**
LEACAR--1983-IN

**1983-1984**
GAFFA--1983-1984-CA
GREJE--1983-1984-PL

**1984**
FINCLE--1984-IR

**1984-1985**
SELROB--1984-1985-A
STETP--1984-1985-ME

**1985-1987**
BRENEI--1985-1987-RE

**1986-1987**
STUCHA--1986-1987-BE

**1987-1989**
BAIF--1987-1989-EF

**1988-1989**
STUCHA--1988-1989-EF

**1992**
LEACAR--1992-EX

**Unknown**
BERNAT--Unknown-TH
BIRMIC--Unknown-EF
BLARIC--Unknown-IO
BORJ--Unknown-TH
BROFEL--Unknown-AB
BROFEL--Unknown-EF
COMF--Unknown-UN
COOGEO--Unknown-RA
FISH--Unknown-AN
HUGHAR--Unknown-RE
HURJOH--Unknown-TH
KIRP--Unknown-KI
KNONOR--Unknown-EF
LAPT--Unknown-CL
LATGEO--Unknown-PR
LAWJ--Unknown-IN
LOGDON--Unknown-DE
MALC--Unknown-ME
MIDL--Unknown-RA
MULROB--Unknown-DE
MULROB--Unknown-TR
PERANN--Unknown-DE
REIWIL--Unknown-TH
RICHC--Unknown-LO
SAMJOS--Unknown-UR
SPEHER--Unknown-ME
THOJ--Unknown-EV
TOBCOR--Unknown-BI
VOGJOH--Unknown-SU
WALA--Unknown-CO
WALNIE--Unknown-IN

## LOCATION INDEX

**Ain Shams University of Cairo**
NOF--1972-CH

**Air Force (DOD/USAF)**
HAMGEO--1961-FE
MARNEI--1974-TU
MILLOW--1957-RA
NARKEN--1972-TH
TREJOH--1968-EF

**Alaska**
BRUDAN--1965-CE

**Ames Research Center (NASA)**
GREJE--1983-1984-PL
MICDAV--1976-1978-RA
PACNEL--1974-IN

**Ames Research Center (NASA): Laboratory of Human Environmental Physiology**
BEAVAN--1970-1971-DI

**Andrews Air Force Base (DOD/USAF)**
CAMPJO--1973-NE

**Antioch College**
FRYEDW--1956-A

**Argonne National Laboratory (DOE/ANL)**
KATELA--1954-AM
LERGEO--1961-1965-TH
MALC--1965-IN
WERHAR--1957-EV

## *Sources and Documentation*

**Argonne National Laboratory (DOE/ANL): Cancer Hospital**
UNKNOWN--1948-1957-DE

**Armed Forces Radiobiology Research Institute (DOD/DNA/AFRRI)**
SELK--1972-1976-BO
STEVJ--1973-CO
STEVJ--1974-SC
UNKNOWN--1953-RE

**Armed Forces Special Weapons Project (DOD/AFSWP)**
PINERN--1956-UN

**Atomic Bomb Casualty Commission (ABCC)**
ANDROB--1972-LO

**Atomic Energy Commission (AEC)**
ANDROB--1972-LO
BRUH--1967-EP

**Atomic Energy Commission (AEC): Idaho Operations Office**
MALC--1965-IN

**Atomic Energy Commission (AEC): New York Operations Office**
MALC--1965-IN

**Augustanna Hospital**
SEELIN--1953-CO

**Bangkok Thailand**
FINCLE--1984-IR

**Battelle Memorial Institute (Battelle)**
MALC--1965-IN

**Baylor College of Medicine**
FISCRA--1965-1966-RE
JOHPHI--1969-1970-BL
JOHPHI--1970-1971-PA
JOHPHI--1971-1972-BO
JOHPHI--1971-1972-VA
JOHPHI--1974-1976-RE
KIMSTE--1975-1977-HE
LEACAR--1969-1973-EN
LEACAR--1971-AD
LEACAR--1983-IN

**Beth Israel Hospital**
BLUHER--1955-TR
BLUHER--1960-LO
CHADAV--1951-TH
FREA--1950-SE
FREA--1951-TR

**Beth Israel Hospital: Department of the Yamins Research Laboratory**
BLUHER--1949-HY

**Boston City Hospital**
CROEUG--1960-RA

**Boston University: School of Medicine**
GREMON--1950-CO

**Bowman Gray School of Medicine**
STEVJ--1972-1973-BA

**Brigham & Women's Hospital: Clinical Research Center**
HOLNOR--1981-1987-SU

**Brookhaven National Laboratory (DOE/BNL)**
CONROB--1959-AN
CONROB--1966-TH
CONROB--1971-IM
CROEUG--1960-RA
FARLEE--1953-NE
FLIT--1963-EA
MCNPET--1969-1970-LI
MCNPET--1974-1975-VI
ROBJ--1963-TI

**Brooks Air Force Base (DOD/USAF)**
HUGHAR--Unknown-RE
LANMAL--1967-ME
LOGDON--1968-DE
LOGDON--1969-A
LOGDON--1969-RE
LOGDON--Unknown-DE
SHAIRA--1963-ID

**Burnham Memorial Hospital for Children**
GRIDON--1953-ME

**California Institute of Technology: Jet Propulsion Laboratory**
SELROB--1980-1981-CO
SELROB--1984-1985-A

**Camp Stoneman California**
BLARH--1959-SO

**Carnegie Institution**
ABEP--1949-CY

**Case Western Reserve University**
DOBBRO--1951-A
FRIHYM--1953-AN

**Case Western Reserve University: School of Medicine**
LAVPAU--1952-US

**Cedars of Lebanon Hospital**
JAFHEN--1952-RA

**Center for Energy and Environmental Research**
MARVIC--1964-1970-SU

**Center for Human Radiobiology (DOE/ANL/CHR)**
CARJAM--1966-TH
GRIM--1954-TR
HARPAU--1957-196?-US
LANLAW--1966-PH
MILCHA--195?-1969-TH
NELW--1947-AR
ROWROB--1959-TH
ROWROB--1974-PL
ULTJ--1969-1977-PA

**Chicago**
WAIWIL--1951-EN

**Chicago Lying-in Hospital**
GRIM--1948-AN

**Children's Hospital**
SMICLE--1955-PE

**Cincinnati General Hospital**
BERR--1972-RA

**City of Hope Medical Center**
JACMEL--1960-1964-A

**Clarkson College of Technology**
MCNPET--1974-1975-RO

**Cleveland Clinic**
PORU--1950-EX

**Clinton Laboratory (War/CE/MED)**
WIRJ--1946-RE

**Columbia-Presbyterian Medical Center**
GRAMAR--1953-TH
LOER--1953-CO
NELEAR--1954-RA
WERSID--1951-TH

**Columbia University**
RUGROB--1957-X-

**Columbia University: College of Physicians and Surgeons**
PLEALB--1953-DE

**Crocher Laboratory**
DURPAT--1957-1962-ME

**Dental Consult Services**
ENDLAW--1968-ME
SEGVIN--1971-PA

**Department of Medicine and Surgery (VA)**
OGBR--1960-RA

**Division of Radiological Health (PHS)**
GAFGEO--1964-EN

**Dow Chemical Company**
LAGC--1967-PL

**Dryden Flight Research Center (NASA)**
LEACAR--1992-EX

**Duke University**
MAC--1963-ES

**Elgin State Hospital: Veterans Building**
NORWIL--1955-ST

**Evangelical Deaconness Hospital**
MORJ--1954-1957-X-

**Eye Research Foundation**
CAVC--1969-1970-TH
ELGSTE--1969-TH

**Fermi National Accelerator Laboratory**
COHLIO--1975-NE

**Gemini space capsule**
BENMA--1967-TH

**General Electric Co.: Biology Laboratory**
DELCHE--1948-PE

**Georgetown University: Hospital**
CANS--1966-PE

**Greater St. Louis Citizens' Committee for Nuclear Information**
REILOU--1958-1961-ST

**Harper Hospital**
MAREDG--1954-A

**Harriet Lane Home of the Johns Hopkins Hospital**
WILLAW--1952-DE

**Harvard Medical School**
BIGS--1976-SP
BLUHER--1941-TR
BLUHER--1949-HY
BLUHER--1955-TR
CATWIL--1951-CI
CHADAV--1951-TH
FREA--1950-SE
FREA--1951-TR
GRIDON--1953-ME
LISHER--1967-CH
STEKEN--1951-SE

**Harvard Medical School: Radioactivity Center**
SMICLE--1955-PE

**Harvard University**
SAML--1966-UP

**Highland-Alameda County Hospital**
BERNAT--Unknown-TH

**Hospital St. Pierre**
CAMM--1963-1966-TH

**Idaho**
COMC--1963-TH

**Idaho National Energy Laboratory (DOE/INEL)**
HAWC--1963-1965-CO

**Institute for Aerospace Medicine (Germany)**
BAIF--1987-1989-EF

**Jefferson Medical College**
PEAW--1953-ES

**John Gaston Hospital**
MIDL--Unknown-RA
NURCAR--1952-TR

**Johns Hopkins Medical Institutions**
FORS--1981-1982-PL

**Johns Hopkins University**
MEYMAR--1968-IN
MEYMAR--1968-SE
SCOH--1951-BL
WILLAW--1952-DE

**Johns Hopkins University: Hospital**
SCOH--1951-BL
SILVS--1953-RA
WILLAW--1952-DE

**Johnson Space Center (NASA)**
BRORL--1968-1970-TH
FISCRA--1965-1966-RE
HOFRUD--1975-1976-VI
JOHPHI--1975-1977-BL
LEACAR--1973-1974-BI
LEACAR--1983-IN
LEACAR--1992-EX
MACPAU--1964-1965-BO

**Keesler Medical Center**
MCIDAR--1974-CI

**Kennedy Space Center (NASA)**
KIMSTE--1975-1977-HE
LEACAR--1973-1974-BI
LEACAR--1983-IN
LEACAR--1992-EX

**Lackland Air Force Base (DOD/USAF)**
COUELL--1973-TE
SHICHA--1973-TE
YOUROB--1969-I-

**Ladd Air Force Base (DOD/USAF)**
GISBAN--1957-TH

**Langley Porter Clinic**
MILEAR--1948-1949-TH

**Lawrence Berkeley Laboratory (AEC/LBL)**
BUDTHO--1970-1971-VI
MALC--1965-IN
TOBCOR--1969-1970-RA

**Long Island Jewish Hospital (New Hyde Park New York)**
GREJ--1961-TH

**Los Alamos National Laboratory (DOE/LANL)**
ANDE--1959-AV
BOOIRE--1958-AD
BUSS--1974-1982-PI
CARROB--1950-HE
FORHAR--1953-TH
FURJ--1961-1962-RE
GOUGOR--1955-AB
GOUGOR--1955-TH
KNONOR--Unknown-EF
LANWRI--1956-AD
LUSC--1957-CH
LUSC--1959-IO
LUSC--1960-CL
LUSC--1960-TH
LUSC--1961-DE
LUSC--1961-PR
OTTD--1971-IN
PINERN--1950-TH
PINERN--1952-LU
REIF--1952-DE
RICHC--1959-ME
RICHC--1962-CO
RICHC--1962-RA
RICHC--1965-GR
RICHC--1966-MO
RICHC--Unknown-LO
VANM--1960-CU
VANM--1960-IS
VANM--1963-TH

**Los Alamos National Laboratory (DOE/LANL): Health Group**
LUSC--1961-CL

**Los Angeles County Hospital**
ROLHIL--1951-SE

**Malcolm Grow Medical Center**
CAMPJO--1973-NE

**Manned Spacecraft Center (NASA)**
HANEW--1969-1970-BI
RAMPAU--1970-1971-CO

**Mannitoba Cancer Treatment and Research Foundation**
PEDLEO--1968-RA

**Marshall Islands**
LYOHAR--1964-LO

**Massachusetts General Hospital (MGH)**
BIGS--1976-SP
COPOLI--1950-1963-TH
SWEW--1953-1957-TH

**Massachusetts General Hospital (MGH): Thyroid Clinic**
RAWRUL--1948-EF

**Massachusetts Institute of Technology (MIT)**
BROFEL--Unknown-EF
EVAROB--1951-1970-RE
MALC--1965-IN
SMICLE--1955-PE

**Massachusetts Institute of Technology (MIT): Department of Physics**
MALC--Unknown-ME

**Massachusetts Memorial Hospitals**
GREMON--1950-CO

**Mayo Clinic**
WATWIL--1950-ST

**McGill University**
BALW--1961-RE

**Mebarry Medical College: Department of Experimental Oncology**
OETLEO--1947-IR

**Memorial Sloan-Kettering Cancer Center**
DANGIU--1972-1973-PR

**Methodist Hospital (Houston Texas)**
LEACAR--1965-1966-BI
LEACAR--1970-1971-EF

**Metuchen Obstetrical and Gynecologic Group**
AINWIL--1967-TR

**Michael Reese Hospital**
OLIL--1956-TH

**Microbiological Associates**
DEMCHA--1969-EF

**Montefiore Hospital**
BELJUD--1953-ME
SAMJOS--Unknown-UR
SEIS--1954-BL
SPEHER--Unknown-ME

**M. D. Anderson Hospital (Houston Texas)**
FLEGIL--1954-1954-CH
GERHER--1951-1957-SY
UNKNOWN--1951-1952-UN
WALNIE--Unknown-IN

**National Aeronautics and Space Administration (NASA)**
BAIJ--1973-RA
BAIJ--1975-1976-IN
CHAPK--1970-1971-OB
GOLD--1977-1979-CO
GOOP--1969-CH
HOFGW--1968-1973-AP
KIMSTE--1973-1974-CH
LACJEF--1982-1983-MU
LEACAR--1981-1986-CH
NICARN--1972-1973-CH
SMIMAL--1973-1975-NU
YOUDR--1965-1966-GL

**National Cancer Institute (PHS/NIH/NCI)**
PETN--1952-TH

**National Institute for Arthritis and Metabolic Diseases (PHS/NIH/NIAMD)**
RALJ--1966-EL

**National Institutes of Health (NIH)**
BLOART--1963-IN
MALC--1965-IN

**National Naval Medical Center (DOD/USN/NNMC)**
CAVR--1960-TA
COOWIL--1956-LA
FLEW--1961-PH
KINE--1952-TH
KINE--1957-TH
KINE--1961-US
KIRP--1972-RA
KIRP--Unknown-KI
LAYRIC--1952-TH
LOOW--1954-LA
LOOW--1956-RA
LOOW--1960-LA
MALC--1965-IN
MALL--1974-TO
MITTHO--1957-TH
MULW--1950-ST
MULW--1950-ST-03
MUNJ--1951-TH
ROYLEW--1971-HI
SELK--1972-1976-BO
SMIROB--1944-ME
SMIROB--1945-1946-BI
SODJ--1962-TO
SODJ--1972-WH
SPER--1956-RE
SPER--1957-PO
SPER--1957-SE
SPER--1957-TH
SPER--1958-TH
STEVJ--1974-SC
STOCLI--1957-BL
WALM--1954-1955-BO
WEIC--1972-DI
WEIC--1972-RA

**Naval Hospital (Boston Massachusetts)**
BARS--1973-TH
BRAUE--1972-GA

**Naval Hospital (Chelsea Massachusetts)**
BIRMIC--Unknown-EF
BRAUE--1972-CL
KOVP--1972-NI
MULROB--Unknown-DE
MULROB--Unknown-TR
THOJ--Unknown-EV

**Naval Hospital (Chelsea Massachusetts): Blood Laboratory**
LAPT--Unknown-CL

**Naval Hospital (Great Lakes)**
WESJ--1974-TH

**Naval Hospital (Oakland California)**
WALA--Unknown-CO

**Naval Hospital (Philadelphia Pennsylvania)**
SILS--1972-CL

**Naval Hospital (Portsmouth Virginia)**
BARROB--1972-PO

**Naval Hospital (San Diego California)**
FOSR--1972-TH
FOSR--1973-CH
HURSHE--1973-IN
ROP--1974-KE
SCHALA--1968-SU

**Naval Hospital (St. Albans: Queens New York)**
KLIPAU--1950-TH

**Naval Medical Research Institute (DOD/USN/NMRI)**
CATWIL--1951-CI
MULW--1950-ST-02
PACNEL--1946-US
SMIROB--1944-ME-01

**Naval Medical Research Unit #2 (DOD/USN/NMRU-2)**
STRGT--1972-TU
VAUB--1965-CH

**Naval Medical Research Unit #3 (DOD/USN/NMRU-3)**
BASS--1973-RA
MCCRON--1972-AC
YOUS--1971-UR

**Naval Radiological Defense Laboratory (DOD/USN/NRDL)**
BAIA--1956-DE

**Navy (DOD/USN)**
DUDH--1956-ST
KINE--1952-A
SPER--1958-CI

**Nelda Childers Stark Laboratory for Human Nutrition Research (Denton Texas)**
MACPAU--1964-1965-CA
VOGFRE--1965-1966-EF-02
VOGFRE--1965-TI
VOGFRE--1966-TI

**New England Deaconess Hospital: Department of Cardiology**
BUNMIC--1980-1982-DI

**New England Deaconess Hospital: Radioactivity Center**
LISHER--1967-CH
MALC--Unknown-ME

**New York University**
EISMER--1962-SO
EISMER--1968-RA
MALC--1965-IN
UNKNOWN--1955-ST

**New York University: Hospital**
BLUMAN--1967-TH

**Newark Beth Israel Hospital**
BERROB--1957-IN

**Nuclear Rocket Development Station (NRDS)**
OAKDON--1965-A

**Oak Ridge Associated Universities (ORAU)**
ANDGOU--1956-1971-CL
ANDGOU--1958-1966-WH
ANDGOU--1966-HE
BALE--1966-A
COMF--1966-SP
EDWC--1965-1966-TO
GOHK--1966-TH
LUSC--1966-VA
LUSC--1969-RE
RICROB--1964-1975-ST
RICROB--1970-CH

**Oak Ridge Institute for Nuclear Studies (ORINS)**
ANDGOU--1950-GA
ANDGOU--1952-IN
ANDGOU--1953-CL
ANDGOU--1953-EA
ANDGOU--1954-PA
ANDGOU--1957-TO
BENMA--1967-SO

## *Sources and Documentation*

BRUMAR--1949-1951-A
COMC--1956-ME
COMC--1957-ST
COMF--Unknown-UN
GLAWAR--1955-RO
HAYRAY--1963-UN
KNIRAL--1950-1952-PA
KNIRAL--1963-ST
LENF--1956-AB
LUSC--1967-CL
MALC--1965-IN
PASFLO--1959-CA
ROOSAM--1950s-DI
STACLI--1953-1956-MU
STACLI--1955-ST
STACLI--1956-DI
STACLI--1957-ST
STEKIN--1951-CO
TYOMAL--1952-A

**Oak Ridge National Laboratory (DOE/ORNL)**
BENMA--1961-PE
BENMA--1965-1966-TH
DURPAT--1972-PL
FISH--Unknown-AN
MALC--1965-IN
STOROB--1945-1947-PL

**Oregon State Prison (Selon Oregon)**
BERJER--1963-1974-EF
HELCAR--1963-1975 -EF

**Pacific Northwest Laboratories (Battelle/PNL)**
BEAT--1965-DI
HELCAR--1963-1975-TH
PALH--1963-1964-DE
PALH--1967-TH
PAUC--1963-1970-EF
SWIK--1967-FA

**Parkland Memorial Hospital (Dallas Texas)**
MURROB--1977-1978-ST

Peter Bent Brigham Hospital
JUDPHI--1972-1973-PH
STEKEN--1951-SE

**Peter Bent Brigham Hospital: Bartlett Intensive Care Unit**
MOOMAR--1976-1977-CI

**Piedmont Hospital**
GRAEDG--1963-1966-US

**Public Health Service (PHS): Hospital (San Francisco California)**
BOHBYR--1967-1969-PR
DONCHA--1967-1968-TH
DONCHA--1970-EF
HANDAV--1972-AT
HYAKEN--1969-1970-HE
HYAKEN--1975-1976-RE
JACLES--1972-1973-EV
MACPAU--1969-1970-BO
RAMPAU--1970-1971-CO
SCHVIC--1973-1974-TH
SPECOL--1972-1973-UN

**Rhode Island Hospital**
FANHER--1967-RA

**Robert Dawson Evans Memorial**
GREMON--1950-CO

**Rongelap Atoll**
GOLMOR--1959-AN

**School of Aviation Medicine (DOD/USAF/SAM)**
BALALA--1971-TH
BROWIL--1967-EF
BYRV--1953-OP
EPSMUR--1971-RE-01
EPSMUR--1971-RE-02
GEEGEO--1968-IN
GOUKEN--1972-RO
HELLEW--1967-HU
HUGHAR--1961-1963-EX
LAREDW--1969-HE
LATGEO--Unknown-PR
LEVES--1968-TH
MALHAR--1965-HU
MITHUG--1971-PO
MORBER--1966-HY
MORBER--1967-ER
UNKNOWN--1973-EF

**Six institutions throughout the U.S.**
CAHDAN--1967-TH

**Sloan-Kettering Institute**
FUKDAV--1953-TH
NICJ--1954-1961-PO
RALJ--1953-DO
RAWRUL--1948-1956-RA

**Stanford General Clinic Research Center**
ZAGP--1977-1978-AD

**St. Louis Children's Hospital**
FORGIL--1950-ES
PERANN--Unknown-DE

**St. Louis Maternity Hospital**
PERANN--Unknown-DE

**Submarine Medical Research Laboratories (SMRL)**
HAIHEN--1946-AE
NORPAG--1946-RA

**Texas Institute for Rehabilitation and Research (TIRR)**
VOGFRE--1963-EF
VOGFRE--1964-PL
VOGFRE--1965-1966-EF-01

**Texas Medical Center**
JOHPHI--1970-1971-PA

**Texas Woman's University**
MACPAU--1964-1965-CA
VOSGEO--1967-1968-X-

**Texas Women's University: Research Institute**
MACPAU--1971-1972-ST

**The Queen's University of Belfast**
CHEE--1963-IN

**Throughout the U.S.**
HANWAY--1968-CO

**Travis Air Force Base (DOD/USAF): Grant Medical Center**
FLAM--1973-TH
MCGRON--1974-NO

**Tripler Army Medical Center (DOD/USA) (Honolulu Hawaii)**
NICARN--1974-1975-AS

**Tufts University: Medical Center**
REIARN--1964-1974-TU

**Tulane Unversity**
BURGEO--1948-1951-TH

**University of Arkansas**
BARH--1956-1958-TO

EDWR--1949-DE
REIWIL--Unknown-TH

**University of Arkansas: School of Medicine: Department of Pediatrics**
REIWIL--1950-CA

**University of California - Berkeley (UCB)**
DOBERN--1953-TH
DOBR--1956-TH
WEAJOH--1960-EX

**University of California - Berkeley (UCB): Donner Laboratory of Medical Physics**
BUDTHO--1970-1971-VI
SIRWIL--1961-1962-PR
TOBCOR--1969-1970-RA

**University of California - Berkeley (UCB): Radiation Laboratory**
BORJ--Unknown-TH
FABJAC--1981-HE
HAMJOS--1954-AC
LAWJ--1949-CO
LAWJ--1954-1959-CL
LAWJ--Unknown-IN
LOWB--1948-CO
MILEAR--1944-1945-RE
SIRWIL--1961-1962-PR
TOBCOR--1961-HI
TOBCOR--1968-1969-HU

**University of California - Davis**
FULJAM--1967-1969-RE

**University of California - Davis: School of Medicine**
VOGJOH--Unknown-SU

**University of California - Los Angeles (UCLA)**
DOWAND--1943-1947-BI
MALC--1965-IN
NORAMO--1965-US
VEOR--1965-1967-US

**University of California - San Francisco (UCSF)**
MILEAR--1950-ST-01
MILEAR--1950-ST-02
MILEAR--1950-ST-03
SCOK--1951-TH
SNYW--1950-A

**University of California - San Francisco (UCSF): Hospital**
BOWKAR--1949-TH
CASJ--1975-CL
DURPAT--1972-PL
LAWJ--1949-TH
RICHC--1962-RA
STOROB--1945-1947-PL
STOROB--1958-PA

**University of Chicago**
BARW--1953-DI
CLADWI--1950-DI
CLADWI--1952-FI
MALC--1965-IN

**University of Chicago: Billings Hospital**
NICJ--1947-BL
STOROB--1945-1947-PL

**University of Chicago: Department of Radiology**
BLARIC--Unknown-IO

**University of Chicago: Metallurgical Laboratory**
LOWB--1943-1946-HE
NICMAR--1947-EF

**University of Cincinnati**
MAXHAR--1977-IO
MAXHAR--1980-CL
SANEUG--1961-1972-RA

**University of Colorado: Medical Center**
NITHAR--1951-A

**University of Houston**
PINLS--1972-1973-LI

**University of Indiana**
MAZRIC--1979-1980-PH

**University of Iowa**
HODROB--1954-TH
MORR--1963-RA
UNKNOWN--1953-UP

**University of Medicine and Dentistry of New Jersey: Department of Otorhinolaryngology**
STETP--1984-1985-ME

**University of Medicine and Dentistry of New Jersey: Department of Surgery**
STETP--1984-1985-ME

**University of Michigan**
BEIWIL--1959-RA-01
BEIWIL--1969-RA
HEMLOU--1967-NE
NASCAR--1965-PO
SCHROD--1972-LI

**University of Minnesota**
KAIIRW--1956-EF
KELVIN--1950-LA
MOOG--1951-CL

**University of New Mexico**
ANDROB--1972-LO

**University of Pennsylvania: Department of Surgery**
STETP--1984-1985-ME

**University of Puerto Rico: School of Medicine**
BUSROB--1952-1958-SY

**University of Rochester**
BALW--1942-RA
BASSAM--1948-TH
GANFRA--1963-OB
HEMLOU--1951-TH
HEMLOU--1967-NE
HURJOH--1968-AB
MALC--1965-IN
MURROB--1959-LE
SILE--1943-1947-ST
SNYW--1950-A

**University of Rochester: Department of Radiation Biology**
HURJOH--Unknown-TH

**University of Rochester: Metabolic Unit**
UNKNOWN--1946-1949-TH

## *Sources and Documentation*

**University of Rochester: Strong Memorial Hospital**
DURPAT--1972-PL
HURJOH--1956-TH
SPAIRV--1972-TH
STOROB--1945-1947-PL

**University of Southern California**
ROLHIL--1949-PL

**University of Tennessee**
COOGEO--Unknown-RA

**University of Texas**
FORGIL--1953-ES
MILLOW--1957-RA

**University of Texas: Health Science Center**
BRENEI--1985-1987-RE

**University of Texas: Health Science Center - Southwestern Medical School**
NIXJV--1976-1977-EA

**University of Texas: Health Science Center: Division of Cardiology**
GAFFA--1983-1984-CA

**University of Texas: Medical Branch**
LOCLIL--1972-1973-CY

**University of Texas: Medical Branch: Department of Medicine**
STUCHA--1986-1987-BE
STUCHA--1988-1989-EF

**University of Toronto: Department of Medicine**
MAZRIC--1979-1980-TO

**University of Utah**
MALC--1965-IN
ZUNWAY--1974-SH

**University Of Washington**
BEAT--1971-IR
BUDTHO--1969-1970-VI
FINCLE--1952-1958-ER
TOBCOR--1971-1972-BI
TOBCOR--Unknown-BI

**University of Washington: Hospital**
LEWTHO--1972-1977-TO

**University of Washington: Hospital (probably)**
NELW--1969-1973-TO

**University of Western Ontario**
WATRON--1972-1973-BO

**University of Wisconsin**
CAMJOH--1961-TH
GOLHOW--1972-1973-ME
GOREDG--1950-TR
MAZRIC--1972-1973-BO-02
MAZRIC--1972-1973-BO-05
MAZRIC--1979-1980-PH

**University of Wisconsin: Department of Medical Physics**
MAZRIC--1981-1982-ME
MAZRIC--1982-1983-TO-01
MAZRIC--1982-1983-TO-02

**University of Wisconsin: Department of Medical Physics: Bone Mineral Laboratory**
MAZRIC--1968-1982-SK

**University of Wisconsin: Department of Preventive Medicine**
SMIEVE--1972-1973-TH

**University of Wisconsin: Hospitals**
HANJAM--1972-1973-PR
KANWIL--1972-1973-TH
MADMAR--1972-1973-AN
MAZRIC--1972-1973-BO-01
MAZRIC--1972-1973-BO-04
PELNOR--1972-1973-BO
WITROB--1972-1973-DE
WITROB--1972-1973-DU
WITROB--1972-1973-I1

**University of Wisconsin: Hospitals: Department of Medicine**
MUEMAR--1972-1973-CO

**University of Wisconsin: Hospitals: Department of Radiology (Medical Physics)**
CAMJOH--1972-1973-SK
HANJAM--1972-1973-AN
KANWIL--1972-1973-DI
MAZRIC--1972-1973-BO-03
MAZRIC--1972-1973-PR
MAZRIC--1975-1976-TO
WITROB--1975-1976-PH
WOLWIL--1975-1976-SO

**U.S.S. New Orleans (DOD/USN): Medical Observation Laboratory**
NICARN--1974-1975-AS

**Vanderbilt University**
BRIA--1969-AB
BRIA--1969-CR
BRIA--1969-EX
BRIA--1969-RA
BRIA--1969-RI
BRIA--1969-SI
DARWIL--1945-TH
KORROS--1953-RA
MALC--1965-IN
MOSW--1962-EV
OETLEO--1947-IR

**Vanderbilt University: Hospital**
HAHP--1942-1951-IR

**Veterans Administration (VA)**
BART--1953-EV
BERS--1952-TH
GOOW--1951-A

**V. A. Hosital (Des Moines Iowa)**
TRIJ--1959-ST

**V. A. Hospital (Albany New York)**
CICS--1972-CO
FINA--1967-UP
FINA--1967-VI
FINA--1968-UP
FINA--1968-VI
HALC--1959-EF
HALC--1959-ST
HALC--1960-EF
HALC--1960-ST
HALC--1961-SA
HALC--1961-ST
HALC--1962-ST
HALC--1967-PL
HALO--1968-PL
HURC--1959-ST-01
HURC--1959-ST-02
MOOB--1962-DE
MOOB--1963-DE

MOOB--1967-UP
MOOB--1968-UP
ROTMB--1960-PE
ROTMB--1961-PE

**V. A. Hospital (Albuquerque New Mexico)**
FANS--1970-PI
PALM--1970-AN
PALM--1970-RE
PENH--1972-EX
POWE--1970-RA
STRR--1960-DE
STRR--1961-DE
UNKNOWN--1973-FL
WATR--1967-EX
WATR--1968-EX
WATR--1970-EX
WATR--1971-RE
WATR--1972-US
WATR--1973-EX
WATR--1973-RA
WATS--1969-EX
WILJ--1960-OP
WILJ--1961-OP
YOUG--1960-ST
YOUG--1961-ST

**V. A. Hospital (Alexandria Virginia)**
KASW--1961-DE
KASW--1962-TH-01
KASW--1962-TH-02
KASW--1962-US
KASW--1963-DE
KASW--1963-TH
KASW--1963-US-01
KASW--1963-US-02
KASW--1966-AT
KASW--1967-AT
KASW--1968-DI

**V. A. Hospital (Allen Park Michigan)**
BECK--1970-TH
BECK--1971-EF
POWE--1968-EV
POWE--1972-RA
POWE--1972-SU
POWE--1973-RA

**V. A. Hospital (Ann Arbor Michigan)**
BEIWIL--1959-RA-02
BETF--1959-RA
BETF--1960-RA
BISR--1959-RA
BOLR--1959-RA
DIGW--1967-FL
DIGW--1967-I9
DIGW--1967-PA
DIGW--1967-SC
DIGW--1967-ST
DIGW--1968-FL
DIGW--1968-SC-01
DIGW--1968-SC-02
DIGW--1968-ST
DIGW--1968-VA
DIGW--1969-ST
DIGW--1970-A
DIGW--1970-ST
FERE--1968-I
KNOC--1963-PA
KNOC--1964-PA
KORD--1959-CH
KORD--1959-EF
KORD--1959-EL
KORD--1959-ES
KORD--1959-EV
KORD--1959-RA-01
KORD--1959-RA-02
KORD--1959-ST
KORD--1960-EL
KORD--1960-ES
KORD--1960-OR-01
KORD--1960-OR-02
KORD--1960-RA-01
KORD--1960-RA-02
KORD--1960-ST
KORD--1960-TR
KORD--1961-DU
KORD--1961-EL
KORD--1961-FE
KORD--1961-OR
KORD--1961-RA
KORD--1961-TH
KORD--1961-TR
KORD--1962-DU
KORD--1962-FE
KORD--1962-TR
LEOL--1965-CH
LINS--1973-XE
MAAM--1971-EF
MAAM--1972-EF
NASCAR--1973-CH
NASE--1966-CH
POZR--1972-12
POZR--1973-12
POZR--1973-EV
REIR--1959-P3
REIR--1960-P
UNKNOWN--1956-CO-03
UNKNOWN--1956-DE-08
UNKNOWN--1956-RA-03
UNKNOWN--1956-RA-04
UNKNOWN--1956-RA-05
UNKNOWN--1956-SI
UNKNOWN--1956-ST-25
UNKNOWN--1956-ST-26
UNKNOWN--1956-ST-27
UNKNOWN--1957-CO-04
UNKNOWN--1957-DE-11
UNKNOWN--1957-RA-04
UNKNOWN--1957-RA-05
UNKNOWN--1957-RA-06
UNKNOWN--1957-SI
UNKNOWN--1957-ST-20
UNKNOWN--1957-ST-21
UNKNOWN--1957-ST-22
WEIP--1967-EN
WEIP--1968-IN
WINE--1960-CR
WINE--1961-CH
WOOJ--1959-RA

**V. A. Hospital (Atlanta Georgia)**
CARR--1963-RA
CARR--1964-RA
CARR--1965-RA
CARR--1966-RA
CARR--1967-RA
CARR--1968-RA
CARR--1969-RA
CARR--1970-RA
DRAA--1959-ST
DRAA--1960-ST-01
DRAA--1960-ST-02
DRAA--1960-TH
DRAA--1960-TH-02
DRAA--1961-DI
DRAA--1961-SY
DRAA--1961-UP
DRAA--1962-SY
DRAA--1963-SY
DRAA--1967-EV
DRAA--1968-EV
DRAA--1970-SC
DRAA--1971-DY
DRAA--1971-SC
HALTE--1960-ST
HALTE--1961-ST
JACJ--1968-IR
JACJ--1969-IR
JACJ--1970-IR
JACJ--1971-IR
SMIR--1967-ES
SMIR--1968-ES

UNKNOWN--1956-DI-03
UNKNOWN--1956-ER-01
UNKNOWN--1956-PL-01
UNKNOWN--1956-UP
UNKNOWN--1957-DI-01
UNKNOWN--1957-ER-01
UNKNOWN--1957-PL
UNKNOWN--1957-UP
WENJ--1969-HY
WENJ--1970-HY

**V. A. Hospital (Augusta Georgia)**
GINR--1971-AN
LEWJ--1967-AS
LEWJ--1968-AS
LEWJ--1970-AS

**V. A. Hospital (Baltimore Maryland)**
ARMB--1958-RO
DAVR--1959-ME
HSUJ--1967-RO
HSUJ--1967-TH
KAWB--1961-RE
KAWB--1963-ME
SHAA--1958-FU
SHAA--1959-FU

**V. A. Hospital (Batavia New York)**
PREM--1957-RE

**V. A. Hospital (Bay Pines Florida)**
COLS--1967-VI
DAVR--1966-EF
DAVR--1967-EF
DAVR--1968-EF
LIPS--1963-VI
LIPS--1964-VI
LIPS--1965-VI
LIPS--1966-VI
SAKR--1962-VI

**V. A. Hospital (Bedford Massachusetts)**
STIG--1965-ST
STIG--1966-ST

**V. A. Hospital (Birmingham Alabama)**
HAGE--1972-ST
HAIE--1971-ST
HENR--1972-TH
LINR--1967-EF-01
LINR--1967-EF-02
LINR--1967-TH
LINR--1968-AN
LINR--1968-BI
LINR--1968-EF-01
LINR--1968-EF-02
LINR--1968-PU
LINR--1968-RE
LINR--1968-TH
LINR--1968-TS
LINR--1969-BI
LINR--1969-EF-01
LINR--1969-EF-02
LINR--1969-TH-01
LINR--1969-TH-02
LINR--1969-TS
LINR--1971-BI
LINR--1971-EF-01
LINR--1971-EF-02
LINR--1971-ME
LINR--1971-TH-01
LINR--1971-TH-02
LINR--1971-TS
LINR--1972-BI
LINR--1972-EF
LINR--1972-HO
LINR--1972-ME
LINR--1972-TH-01
LINR--1972-TH-02
LINR--1972-TS
PITJ--1961-AC
PITJ--1962-AC
PITJ--1963-AC
PITJ--1964-AC
PITJ--1965-AC
PITJ--1967-EN
PITJ--1967-RE
PITJ--1967-SE
PITJ--1967-TH-01
PITJ--1967-TH-02
PITJ--1967-TH-03
PITJ--1968-DI
PITJ--1968-EF
PITJ--1968-EN
PITJ--1968-RE
PITJ--1968-SE
PITJ--1968-ST-01
PITJ--1968-ST-02
PITJ--1968-TH-01
PITJ--1968-TH-02
PITJ--1969-DI
PITJ--1969-EF
PITJ--1969-EN
PITJ--1969-RA
PITJ--1969-SE
PITJ--1969-ST
PITJ--1969-TH
PITJ--1970-SE
PITJ--1971-AC
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PITJ--1971-CL-02
PITJ--1971-DI
PITJ--1971-EF
PITJ--1971-EN
PITJ--1971-HY
PITJ--1971-ME
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PITJ--1971-SE
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PITJ--1971-SY
PITJ--1971-TH
PITJ--1972-AC
PITJ--1972-DI
PITJ--1972-HY
PITJ--1972-ME
PITJ--1972-SE
PITJ--1972-ST
STAW--1967-ST
UNKNOWN--1956-BA
UNKNOWN--1956-EX-01
UNKNOWN--1956-ST-01
UNKNOWN--1956-ST-02
UNKNOWN--1957-ST-01
UNKNOWN--1957-ST-02
UNKNOWN--1957-ST-03

**V. A. Hospital (Boston Massachusetts)**
AEHJ--1972-VA
AMSS--1970-ST
AMSS--1972-ST
BOLE--1961-A
BOLE--1962-A
BURB--1958-TH
BURB--1967-BO
BURB--1967-TH
BURB--1968-TH
CAMJ--1959-US
CARJ--1967-PH
CARJ--1968-PH
CARJ--1969-PH
CARJ--1970-PH
CARJ--1971-PH
CARJ--1972-NE
CARJ--1973-PH
GENS--1968-BO
GENS--1969-BO
GENS--1970-BO
GENS--1971-BO
GENS--1972-BO
GENS--1973-BO
HACJ--1969-VA
HALJ--1961-SU
HALJ--1962-SU

HALJ--1967-A
HALJ--1967-TH
HALJ--1968-A
HALJ--1968-EF
HALJ--1968-TH
HALJ--1969-A
HALJ--1969-EF
HALJ--1970-TH
HALJ--1971-A
HALJ--1973-A
HING--1958-TO
HING--1959-EX
HING--1959-PU
HING--1960-EF
HING--1960-EX
HING--1961-EF
HING--1961-EX
HING--1961-PU
HING--1962-EX
HING--1963-EX
KATJ--1962-ST
LANK--1960-FI
LEMM--1957-EM
LEMM--1960-SY
MALJ--1970-VA
MILA--1967-A
MILA--1967-EF
MILA--1967-ST
MILA--1967-TH
MILA--1968-A
MILA--1968-EF
MILA--1968-ST
MILA--1968-TH
MILA--1969-A
MILA--1969-EF
MILA--1969-ST
MILA--1969-TH
MILA--1970-A
MILA--1970-EF
MILA--1970-ST
MILA--1970-TH
MILA--1971-EF
MILA--1971-ST
MILA--1972-EF
MILA--1972-ST
MILA--1973-EF
MILA--1973-ST
PATD--1967-BR-01
PATD--1967-BR-02
PATD--1968-BR-01
PATD--1968-BR-02
PATD--1969-BR-01
PATD--1969-BR-02
PATD--1970-BR-01
PATD--1970-BR-02
PATD--1971-BR-01
PATD--1971-BR-02
PATD--1972-BR-01
PATD--1972-BR-02
PODS--1970-RE
PODS--1972-RE
ROGH--1957-OP
ROGH--1958-OP
SLID--1958-TH
SLID--1967-FO
SLID--1967-TH-01
SLID--1967-TH-02
SLID--1967-TH-03
SLID--1967-TH-04
SLID--1968-FO
SLID--1968-TH-01
SLID--1968-TH-02
SLID--1969-FO
SLID--1970-FO
SLID--1971-FO
SLID--1972-FO
SLID--1972-RE
UNKNOWN--1956-EF-06
UNKNOWN--1956-ER-03
UNKNOWN--1956-IN-06
UNKNOWN--1956-IR-01
UNKNOWN--1956-RA-02
UNKNOWN--1956-ST-21
UNKNOWN--1956-ST-22
UNKNOWN--1956-ST-23
UNKNOWN--1956-ST-24
UNKNOWN--1957-DO-02
UNKNOWN--1957-EF-04
UNKNOWN--1957-ER-03
UNKNOWN--1957-IN-07
UNKNOWN--1957-IR
UNKNOWN--1957-MI
UNKNOWN--1957-RA-03
UNKNOWN--1957-ST-15
UNKNOWN--1957-ST-16
UNKNOWN--1957-ST-17
UNKNOWN--1957-ST-18
UNKNOWN--1957-ST-19
UNKNOWN--1957-TH-23
UNKNOWN--1957-TH-24
UNKNOWN--1957-TH-25
UNKNOWN--1957-TI
WISE--1960-ME

**V. A. Hospital (Bronx New York)**

BERH--1957-EX
BERH--1958-SI
BERH--1962-WI
BERS--1951-TH
BERS--1953-TH
BERS--1953-TR
BERS--1954-QU
BERS--1959-CO
BERS--1959-ST
BERS--1960-ME
BERS--1960-ST-01
BERS--1960-ST-02
BERS--1961-CO
BERS--1961-ST-01
BERS--1961-ST-02
BERS--1961-ST-03
BERS--1962-CO
BERS--1962-ST-01
BERS--1962-ST-02
BERS--1962-ST-03
BERS--1963-ME
BERS--1963-ST-01
BERS--1963-ST-02
BERS--1963-ST-03
BERS--1964-ME
BERS--1964-ST-01
BERS--1964-ST-02
BERS--1964-ST-03
BERS--1965-ST-01
BERS--1965-ST-02
BERS--1965-ST-03
BERS--1966-ST-01
BERS--1966-ST-02
BERS--1966-ST-03
BERS--1967-ST-01
BERS--1967-ST-02
BERS--1967-ST-03
BERS--1968-ST-01
BERS--1968-ST-02
BERS--1968-ST-03
BERS--1969-RA
BERS--1969-ST-01
BERS--1969-ST-02
BERS--1969-ST-03
BERS--1970-ST
BERS--1971-ST
BERS--1972-ST
COHB--1957-EF
COHB--1957-HI
COOP--1966-A
CORL--1960-A
CORL--1961-A
CORL--1962-A
DEBA--1968-GL
EICS--1960-X
ELLFRI--1951-1952-A
GLIS--1967-ST
GLIS--1968-ST
GLIS--1969-ST
GOLS--1969-SI
GORB--1960-AN
GUTA--1958-IN
HAFH--1958-CL

KOEV--1957-TH
KRUE--1960-TH
KRUE--1961-TH
LUBD--1958-DE
LUBD--1960-DE
MALS--1958-RA
MALS--1960-RA
MALS--1961-TR
MALS--1964-IN
MALS--1965-IN
MALS--1966-IN
MALS--1973-RA
MALS--1973-SP
MOSW--1957-EV
MOSW--1957-RE
PALK--1959-AB
PALK--1960-AB
PALK--1961-AB
POWW--1957-A
POWW--1957-AN
ROSB--1957-CY
ROSB--1957-HO
ROSB--1957-MO
ROSB--1957-RA
ROSB--1957-RO
ROSB--1957-TR
ROSB--1958-CR
ROSB--1958-HO
ROSB--1958-MO
ROSB--1958-RA
ROSB--1958-RO
ROSB--1958-TR
ROSB--1959-HO
ROSB--1959-MO
ROSB--1959-RA
ROSB--1960-HO
ROSB--1960-MO
ROSB--1960-RA
ROSB--1961-MO
ROSB--1964-RA-01
ROSB--1964-RA-02
ROSB--1964-SO
ROSB--1965-RA-01
ROSB--1965-RA-02
ROSB--1965-SO
ROSB--1966-SO
ROTS--1960-AN
RUPC--1957-EL
SORJOS--1950-TH
STEJ--1957-BO
STEJ--1958-AT
STEJ--1958-BO
STEJ--1959-BO
UNGS--1957-RA
UNGS--1958-RA
UNGS--1958-RE
UNKNOWN--1956-ET
UNKNOWN--1956-KI
UNKNOWN--1956-SE-05
UNKNOWN--1957-ET
UNKNOWN--1957-KI
UNKNOWN--1957-RE-06
UNKNOWN--1957-SE-06
WEII--1966-HI
WOLFJ--1972-A
YALR--1958-RA
YALR--1959-IM
YALR--1959-PA
YALR--1960-PA
YALR--1961-DE
YALR--1961-RA
YALR--1962-DE
YALR--1962-RA
YALR--1963-RA
YALR--1964-RA
YALR--1965-RA
YALR--1966-RA
YALR--1967-RA
YALR--1973-ST

**V. A. Hospital (Brooklyn New York)**
DEBA--1967-GL
DEBA--1967-RO
DEBA--1968-RO
DEBA--1969-RO
DEBA--1970-RO
DEBA--1972-RO
KATH--1967-TH
LEVL--1959-IM-01
LEVL--1959-IM-02
LEVL--1960-IM-01
LEVL--1960-IM-02
LEVL--1960-IN
LEVL--1961-IM
LEVL--1961-IN
LEVL--1961-UP
SPRS--1970
WALH--1959-ME
WALH--1959-SY-01
WALH--1959-SY-02
WALH--1959-SY-03
WALH--1960-SY
WALH--1961-SY-01
WALH--1961-SY-02
WALH--1962-SY

**V. A. Hospital (Buffalo New York)**
ABDH--1972-EF
ALEJ--1967-RA
ALEJ--1968-RA
ALVI--1971-CH
ALVI--1972-CH
BENM--1970-ME
BENM--1971-ME
BENM--1972-ME
BETR--1972-DI
BETR--1973-DI
BISG--1959-ST
BOWT--1959-MO
COLM--1967-ME
COLM--1968-ME
COOJ--1958-ST
COOJ--1959-ST
GREF--1970-EV
GREF--1971-EV
GREF--1972-EV
HAYMAR--1969-PR
HAYMAR--1969-ST
HAYMAR--1969-TH-01
HAYMAR--1969-TH-02
HAYMAR--1970-PR
HAYMAR--1970-ST
HAYMAR--1970-TH-01
HAYMAR--1970-TH-02
HAYMAR--1971-EF
HAYMAR--1971-IN
HAYMAR--1971-PR
HAYMAR--1971-TH
HAYMAR--1972-EF
HAYMAR--1972-IN
HAYMAR--1972-RE
HAYMAR--1972-ST-01
HAYMAR--1972-ST-02
HAYMAR--1972-TH
HAYMAR--1973-PR
HAYMAR--1973-ST
HAYMAR--1973-TH
HOOJ--1970-ES-01
HOOJ--1970-ST
HOOJ--1970-TH
HOOJ--1971-ES
HOOJ--1971-ST
HOOJ--1971-TH
HOOJ--1972-ES
HOOJ--1972-ST
HOOJ--1972-TH
HOOJ--1973-TH
JUNC--1968-ID
JUNC--1968-PH
JUNC--1969-ID
JUNC--1969-IN
JUNC--1969-LI
JUNC--1969-NA
JUNC--1969-SU
JUNC--1970-ID
JUNC--1970-LI

JUNC--1970-NA
JUNC--1970-SU
JUNC--1971-ID
JUNC--1971-LI
JUNC--1971-NA
JUNC--1972-ID
JUNC--1972-LI
JUNC--1972-NA
JUNC--1972-ST
JUNC--1973-LI
JUNC--1973-NA
KANE--1967-DE
KANE--1968-DE
MESL--1967-A
SCHW--1958-SI
SCHW--1959-FA
SCHW--1959-SI
STEIJ--1972
STID--1960-CO
STID--1961-PB

**V. A. Hospital (Castle Point New York)**
TORK--1970

**V. A. Hospital (Charleston South Carolina)**
DAST--1973-CE
DAST--1973-LO
TORK--1969-ST
TORK--1971

**V. A. Hospital (Chicago Illinois)**
HAMD--1965-ME
HELP--1960-ME
KUHW--1960-TH
STAT--1960-EF
STAT--1960-EF-02
TOWJ--1960-DE
TOWJ--1960-ST
UNKNOWN--1956-AN
UNKNOWN--1956-CE
UNKNOWN--1956-DE-02
UNKNOWN--1956-GA
UNKNOWN--1956-IN-03
UNKNOWN--1956-IN-04
UNKNOWN--1956-LI
UNKNOWN--1956-ME-02
UNKNOWN--1956-ME-03
UNKNOWN--1956-RE-02
UNKNOWN--1956-ST-14
UNKNOWN--1956-ST-15
UNKNOWN--1956-SY-01
UNKNOWN--1957-AN
UNKNOWN--1957-CE
UNKNOWN--1957-DE-03
UNKNOWN--1957-DE-04
UNKNOWN--1957-DE-05
UNKNOWN--1957-GA
UNKNOWN--1957-IN-04
UNKNOWN--1957-IN-05
UNKNOWN--1957-LI
UNKNOWN--1957-ME-01
UNKNOWN--1957-ME-02
UNKNOWN--1957-PR-01
UNKNOWN--1957-RE-01
UNKNOWN--1957-SO-03
UNKNOWN--1957-ST-10
UNKNOWN--1957-ST-11
UNKNOWN--1957-SY

**V. A. Hospital (Chicago Research Illinois)**
ANAL--1967-TH
ANAL--1968-TH
ANDD--1958-ST
BULG--1958-IN
CLAR--1961-A
CLAR--1962-A
COOJ--1958-US
COOJ--1965-DE
COOJ--1966-DE
COOJ--1967-ST
COOJ--1968-ST
COOJ--1969-ST
COOJ--1970-ST
HENG--1967-DE
HENG--1967-DN
HENG--1967-ES
HENG--1967-HU
HENG--1967-SO
HENG--1967-ST
HENG--1967-TH
HENG--1968-DE
HENG--1968-DN
HENG--1968-ES
HENG--1968-HU
HENG--1968-SO
HENG--1968-ST
HENG--1968-TH
HENG--1969-DN
HENG--1970-DN
LEIG--1958-CY
MAIJ--1958-ES
MOSW--1959-ST
MOSW--1961-EV
MOSW--1962-EV
MOSW--1963-EV
NEES--1967-AM
NEES--1968-AM
NEES--1968-PR
NEES--1969-AM
NEES--1969-PR
NEES--1970-AM
NEES--1970-PR
POWW--1962-AN
RADN--1958-DE
RADN--1958-ST
RADN--1959-DE
TOWJ--1961-AQ
TOWJ--1961-DE
TOWJ--1961-ST
TOWJ--1962-AQ
TOWJ--1962-DE
TOWJ--1962-ST
TOWJ--1963-ME
TOWJ--1963-ST
TOWJ--1964-ME
TOWJ--1964-ST
TOWJ--1965-ME
TOWJ--1965-ST
TOWJ--1966-ME
TOWJ--1966-ME-02
TOWJ--1966-ST
TURJ--1961-IM
TURJ--1962-IM
TURJ--1963-CU
TURJ--1963-IM
TURJ--1963-RA-01
TURJ--1963-RA-02
TURJ--1963-RE
TURJ--1963-RO
TURJ--1963-TY
TURJ--1964-EV
TURJ--1964-IM
TURJ--1964-RA-01
TURJ--1964-RA-02
TURJ--1964-RE
TURJ--1964-RO
TURJ--1964-TY
TURJ--1965-EV
TURJ--1965-RO
TURJ--1965-TY
TURJ--1966-EV
TURJ--1966-TY
VIRC--1967-AN
VIRC--1968-AN
YOKH--1964-EF
YOKH--1965-EF
YOKH--1966-EF

**V. A. Hospital (Chicago Westside Illinois)**
COLR--1962-BI
HAMW--1966-ME
HAMW--1967-ME
HAMW--1968-ME
HARG--1967-EV

HELP--1959-ME
HENH--1962-DI
HENW--1959-TW
HENW--1968-SE
WILG--1967-EF
WILG--1967-IN
WILG--1967-LO
WILG--1968-IN
WILG--1968-ST
WILG--1969-IN
WILG--1969-ST
WILG--1970-IN
WILG--1970-ST
WILG--1972-ST

**V. A. Hospital (Cincinnati Ohio)**
APPO--1967-CE
APPO--1968-CE
GOLR--1959-CA-01
GOLR--1959-CA-02
GOLR--1959-CA-03
GOLR--1959-RO
GOLR--1961-CA-01
GOLR--1961-CA-02
GOLR--1962-CA-01
GOLR--1962-CA-02
GOLR--1963-CA-01
GOLR--1963-CA-02
GOLR--1964-CA-01
GOLR--1964-CA-02
HOOJ--1970-ES-02
IMAJ--1961-ST
IMAJ--1964-AN
IMAJ--1964-EF
IMAJ--1964-GL
IMAJ--1964-ME
IMAJ--1964-PH
IMAJ--1964-ST-01
IMAJ--1964-ST-02
IMAJ--1965-AN
IMAJ--1965-ME
IMAJ--1965-PH
IMAJ--1965-ST-01
IMAJ--1965-ST-02
IMAJ--1966-AN
IMAJ--1966-EF
IMAJ--1966-ME
IMAJ--1966-ST-01
IMAJ--1966-ST-02
IMAJ--1967-AN
IMAJ--1967-EF
IMAJ--1967-LI
IMAJ--1967-ME
IMAJ--1967-RA
IMAJ--1967-SE
IMAJ--1967-ST-01
IMAJ--1967-ST-02
IMAJ--1967-ST-03
IMAJ--1968-AN
IMAJ--1968-LI
IMAJ--1968-ME
IMAJ--1968-RA
IMAJ--1968-SE
IMAJ--1968-ST-01
IMAJ--1968-ST-02
IMAJ--1968-ST-03
IMAJ--1968-ST-04
IMAJ--1969-AN
IMAJ--1969-ME
IMAJ--1969-RA
IMAJ--1969-SE
IMAJ--1969-ST-01
IMAJ--1969-ST-02
IMAJ--1969-ST-03
IMAJ--1969-ST-04
IMAJ--1970-ST-01
IMAJ--1970-ST-02
SILE--1973-TH
UNKNOWN--1956-HY
UNKNOWN--1956-ST-41
UNKNOWN--1957-ST-33
UNKNOWN--1965-EF

**V. A. Hospital (Cleveland Ohio)**
BAKN--1958-TH
BLUA--1958-IM
BOYJ--1958-AP
CLAR--1958-TH
CLAR--1967-TH
HIRE--1967-LI
HIRE--1968-LI
HIRE--1969-LI
HIRE--1970-LI
HIRE--1972-LI
HUD--1957-CA
HUD--1957-NU
SHIR--1957-CI
SHIR--1957-TH-01
SHIR--1957-TH-02
SHIR--1958-TH
SKIS--1959-CO
UNKNOWN--1956-CI
UNKNOWN--1956-TH-19
UNKNOWN--1956-TH-20
WHIR--1968-CO-01
WHIR--1968-CO-02
WISP--1969-CO
WOLJ--1968-CH
WOLJ--1968-SU

**V. A. Hospital (Coral Gables Florida)**
BLUA--1959-PU
BLUA--1959-RA
BLUA--1961-RA
BLUA--1962-RA
BLUA--1963-RA
BOYJ--1959-AP
BOYJ--1959-ST
DICM--1959-ST
GOLF--1965-TH-01
GOLF--1965-TH-02
GOLF--1965-TH-03
GOLF--1966-TH-01
GOLF--1966-TH-02
GOLF--1966-TH-03
GOLF--1967-CO
GOLF--1967-EV
GOLF--1967-TH-01
GOLF--1967-TH-02
HOFB--1967-RA
JOHA--1965-RE
JOHA--1966-RE
JOHA--1967-LA
JOHA--1967-RE
LEWG--1957-DI
MCCA--1958-CO
MCCA--1959-DE
MILJ--1957-AN
RING--1959-SH
SOLA--1965-EF
SOLA--1966-EF
UNKNOWN--1956-DI-02
VANC--1966-TH
VANC--1967-TH

**V. A. Hospital (Dallas Texas)**
BROF--1967-RE
BROF--1968-RE
DEGW--1958-EX
EIS--1956-AP
EISS--1967-A
EISS--1968-A
FRENE--1967-PR
FRENE--1967-TH-01
FRENE--1967-TH-02
FRENE--1967-VI
FRENE--1968-TH
FRENE--1968-VI
FRENE--1969-VI
FRENE--1970-VI
FRENE--1971-ST
FRENE--1972-ST-01
FRENE--1972-ST-02
GOSS--1958-DE
KELL--1959-ER

LANH--1959-EN
LANH--1959-MO
MCCM--1956-ST
MCCM--1967-BL
MCCM--1968-BL
MCCM--1969-BL
MCCM--1970-BL
MUIE--1956-LI
SHER--1968-ST
SHER--1969-ST
SHER--1970-ST
SHER--1971-ST
SHOJ--1973-RA
SUTD--1956-AP
SUTD--1958-SI
SUTD--1959-CO
SUTD--1959-LI
SUTD--1959-SI
SUTD--1959-SP
UNKNOWN--1956-ST-44
UNKNOWN--1957-AP-02
UNKNOWN--1957-AP-03
UNKNOWN--1957-BL-03
UNKNOWN--1957-BL-04
UNKNOWN--1957-CR-02
UNKNOWN--1957-ST-35
UNKNOWN--1957-ST-36
UNKNOWN--1957-TH-27
UNKNOWN--1957-TH-28
UNKNOWN--1957-TH-29
UNKNOWN--1957-TH-30

**V. A. Hospital (Dayton Ohio)**
HABM--1969-IN
HABM--1970-IN
LEFE--1967-BL
LEFE--1967-UR
LEFE--1968-BL
LEFE--1968-UR
LEFE--1969-UR
LEFE--1970-UR
LEFE--1971-UR
MESL--1968-UT
MESL--1970-DE
MESL--1970-IM
MESL--1970-PH
MESL--1970-UT
MOSR--1971-EF
MOSR--1971-HI

**V. A. Hospital (Dearborn Michigan)**
BINR--1963-MY
BINR--1964-MY
BINR--1965-MY
BINR--1966-MY
GRIA--1957-A
HORN--1962-TH
POWE--1963-EV
POWE--1964-EV
POWE--1965-EV
POWE--1966-EV
POWE--1967-EV

**V. A. Hospital (Denver Colorado)**
ANGL--1970-DE
BRAE--1965-TE
BROD--1969-DI
BROD--1969-US
BROD--1970-DI
BROD--1970-US
BROD--1972-DI
BROD--1973-NE
COLLR--1962-EF
DAYA--1962-TE
DAYA--1963-TE
ELLR--1962-EF
ELLR--1963-EF
ELRH--1963-TH
ELRH--1964-PR
ELRH--1967-FU
ELRH--1967-NA
GUGS--1973-TH
HLAC--1958-NA
HLAC--1961-A
HLAC--1961-SO
HLAC--1962-A
HLAC--1962-SO
HLAC--1963-A
HLAC--1963-BI
HLAC--1963-SO
HLAC--1963-TH
HLAC--1964-BI
HLAC--1964-SO
HLAC--1965-SO
HLAC--1966-SO
KEYW--1959-ST
KEYW--1960-IN
KEYW--1960-NE
KEYW--1960-ST
KEYW--1961-IN
MORH--1965-IM
MORH--1966-IM
PARJ--1961-TH
PARJ--1962-TH
STAA--1958-TH
SZCM--1957-ST
SZCM--1958-ST
TROR--1972
TROR--1973
UNKNOWN--1956-EF-03
UNKNOWN--1956-ST-11
UNKNOWN--1956-ST-12
UNKNOWN--1956-ST-13
UNKNOWN--1957-ST-06
UNKNOWN--1957-ST-07
UNKNOWN--1957-ST-08
UNKNOWN--1957-ST-09
UNKNOWN--1961-TH
WARH--1967-TH
WARH--1967-US
WARH--1968-TH
WARH--1968-US

**V. A. Hospital (Des Moines Iowa)**
CECR--1973-GA
TRIJ--1958-ST
TRIP--1957-MY
TRIP--1959

**V. A. Hospital (Dublin Georgia)**
CAVP--1969-RA
GORR--1969-ST
GORR--1969-US
GRER--1969-BI-01
GRER--1969-BI-02
GRER--1969-PR
GRER--1969-ST
SIEL--1969-MI
SIEL--1969-TP

**V. A. Hospital (Durham North Carolina)**
CAVP--1970-RA
CAVP--1971-RA
CAVP--1973-RA
CHEW--1958-I
CONROB--1957-PR
DIEW--1958-ME
DIEW--1958-TR
EVAJ--1970-RA
GORR--1967-MU
GORR--1967-ST-01
GORR--1967-ST-02
GORR--1967-UT
GORR--1968-MU
GORR--1968-ST-01
GORR--1968-ST-02
GORR--1970-ST-01
GORR--1970-ST-02
GORR--1970-US
GORR--1971-MY
GORR--1971-ST-01
GORR--1971-ST-02
GRER--1958-ME
GRER--1959-ME
GRER--1961-BI
GRER--1961-ME
GRER--1962-BI

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GRER--1962-ME
GRER--1967-BI
GRER--1967-PR
GRER--1968-BI
GRER--1968-PR
GRER--1970-BI-01
GRER--1970-BI-02
GRER--1970-PR
GRER--1970-ST
JENW--1958-ST
JOHD--1958-EV
JOHD--1958-HE
KAMH--1958-MI
KAMH--1958-ST
KAMH--1959-MI
KAMH--1961-A
KAMH--1961-ST
KAMH--1967-FE
KAMH--1967-FO
KAMH--1967-ME
KAMH--1967-MI
KAMH--1967-TP
KAMH--1968-FE
KAMH--1968-FO
KAMH--1968-ME
KAMH--1968-MI
KAMH--1968-TP
KEEI--1958-BL
MURDH--1959-CE
PARKJ--1958-GA
ROZM--1968-DE
SALH--1960-TH
SIEL--1970-MI
SIEL--1970-TP
TYOMAL--1958-TH-01
TYOMAL--1958-TH-02
UNKNOWN--1956-ST-34
UNKNOWN--1956-ST-35
UNKNOWN--1956-ST-36
UNKNOWN--1956-ST-37
UNKNOWN--1956-ST-38
UNKNOWN--1956-ST-39
UNKNOWN--1956-ST-40
UNKNOWN--1957-A-08
UNKNOWN--1957-ST-27
UNKNOWN--1957-ST-28
UNKNOWN--1957-ST-29
UNKNOWN--1957-ST-30
UNKNOWN--1957-ST-31
UNKNOWN--1957-ST-32
WYNJ--1958-CH
WYNJ--1958-IN
WYNJ--1959-ME
ZANH--1959-EF
ZANH--1961-IN

**V. A. Hospital (East Orange New Jersey)**
AUEO--1972-EF
COPC--1959-SE
MALM--1972-TH
NAHJ--1957-CO-01
NAHJ--1957-CO-02
NAHJ--1957-IN
NAHJ--1958-BA
NAHJ--1959-CO
NAHJ--1959-IN
NAHJ--1960-CO
SMAM--1967-CL
SMAM--1968-CL
SMAM--1968-CO
SMAM--1969-CL
SMAM--1969-CO
SMAM--1970-CL
SMAM--1971-CO
SMAM--1972-CO
TRUS--1960-LY
TRUS--1967-TH
TRUS--1968-TH
VINM--1970-CO

**V. A. Hospital (Fort Howard Maryland)**
KAWB--1962-RE
KAWB--1964-ME
KAWB--1965-ME
KRAH--1967-DI
KRAH--1968-DI
MILJ--1959-US
POLA--1959-BR
POLA--1959-EF
POLA--1959-FA
POLA--1959-PR
POLA--1959-RA
POLA--1959-TH
TALJ--1967-QU
TALJ--1967-RA
TALJ--1968-QU
TALJ--1968-RA
UNKNOWN--1956-PR-02
UNKNOWN--1957-PR-03

**V. A. Hospital (Fort Miley San Francisco California)**
SCOK--1951-TH

**V. A. Hospital (Fresno California)**
DUFB--1959-X--01
DUFB--1959-X--02
ENDN--1958-DE
ENDN--1959-DI
WALW--1968-CA
WALW--1968-PO
WALW--1969-PO
WALW--1970-PO

**V. A. Hospital (Gainesville Florida)**
BRUF--1970-99
DELF--1972-AU
DELF--1972-CL
DELF--1972-PO

**V. A. Hospital (Grand Junction Colorado)**
CROS--1957-VA
LEVM--1958-TO

**V. A. Hospital (Hines Illinois)**
ABBJ--1973-NE
BENPM--1965-RA
BENPM--1966-RA
BENPM--1967-EV
BENPM--1967-RA
BENPM--1967-TH
BENPM--1968-EV
BENPM--1968-TH
BENPM--1969-EX
CLAG--1971-SI
CLAG--1972-SI
DUTH--1958-EF-01
DUTH--1958-EF-02
DUTH--1958-IN
DUTH--1958-PE-01
DUTH--1958-PE-02
DUTH--1958-SU
DUTH--1958-TH
FELI--1961-QU
FELI--1962-QU
FIET--1959-DE
FIET--1959-PH
FIET--1961-NE
FIET--1961-SI
FIET--1962-NE
FIET--1962-SI
FIET--1963-NE
FIET--1963-SI
FIET--1964-SI
FIET--1965-SI
FIET--1966-SI
FIET--1967-SI
FIET--1968-SI
FIET--1969-SI
GRAL--1967-SE
GRAL--1967-TH
GRAL--1968-TH
GRAL--1971-TH
GRAL--1972-TH
GREK--1963-BE

GREK--1964-BE
GREK--1965-BE
KAPE--1960-TH
KAPE--1962-LD
KAPE--1963-LD
KAPE--1967-CO
KAPE--1967-DE
KAPE--1968-CO
KAPE--1968-DE
KAPE--1969-CO
KAPE--1969-DE
KAPE--1969-TH
KAPE--1971-CO
KAPE--1972-CO
KAPE--1972-DE
KAPE--1972-DY
KAPE--1972-EX
KIRI--1959-ST
KIRI--1960-ST
KIRI--1962-TH
KIRI--1963-RA
KIRI--1964-TH
KIRI--1965-TH
KIRI--1966-TH
KIRI--1967-TH
KIRI--1968-TH
KIRI--1969-TH
KIRI--1971-TH
LEVJ--1973-RA
MESH--1973-DE
OESY--1964-NE
OESY--1965-NE
OESY--1966-NE
OESY--1967-NE
OESY--1968-NE
OESY--1969-NE
OESY--1971-NE
OESY--1972-NE
OESY--1973-NE
REMA--1969-EF
SCHR--1957-EF
SPAM--1967-TE
STES--1965-PH
STES--1966-PH
UNKNOWN--1956-A-04
UNKNOWN--1956-A-05
UNKNOWN--1956-A-06
UNKNOWN--1956-A-07
UNKNOWN--1956-AP-01
UNKNOWN--1956-DE-03
UNKNOWN--1956-DE-04
UNKNOWN--1956-DE-05
UNKNOWN--1956-DE-06
UNKNOWN--1956-DE-07
UNKNOWN--1956-EV-02
UNKNOWN--1956-EV-03
UNKNOWN--1956-EV-04
UNKNOWN--1956-FU-01
UNKNOWN--1956-FU-02
UNKNOWN--1956-FU-03
UNKNOWN--1956-PA-01
UNKNOWN--1956-PR-01
UNKNOWN--1956-RA-01
UNKNOWN--1956-SE-01
UNKNOWN--1956-ST-16
UNKNOWN--1956-ST-17
UNKNOWN--1956-US-02
UNKNOWN--1956-US-03
UNKNOWN--1957-A-02
UNKNOWN--1957-A-03
UNKNOWN--1957-A-04
UNKNOWN--1957-AP-01
UNKNOWN--1957-DE-02
UNKNOWN--1957-DE-06
UNKNOWN--1957-DE-07
UNKNOWN--1957-DE-08
UNKNOWN--1957-DE-09
UNKNOWN--1957-DE-10
UNKNOWN--1957-EV-02
UNKNOWN--1957-EV-03
UNKNOWN--1957-EV-04
UNKNOWN--1957-EV-05
UNKNOWN--1957-FU-01
UNKNOWN--1957-FU-02
UNKNOWN--1957-FU-03
UNKNOWN--1957-MU-01
UNKNOWN--1957-PA-01
UNKNOWN--1957-PR-02
UNKNOWN--1957-RA-01
UNKNOWN--1957-RA-02
UNKNOWN--1957-SC-02
UNKNOWN--1957-SE-01
UNKNOWN--1957-ST-12
UNKNOWN--1957-US-02
UNKNOWN--1957-US-03

**V. A. Hospital (Houston Texas)**
ALFC--1967-IR
ALFC--1968-IR
BARH--1961-PO
BARH--1962-PO
BARH--1963-EF
BARH--1964-EF
BARH--1965-EF
BARH--1965-TE
BARH--1966-EF
BARH--1966-TE
COCE--1960-UL
HOFEJ--1960-EX
HOFEJ--1961-EX
KNOJ--1960-PR
KNOJ--1961-IR
KNOJ--1963-PR
KNOJ--1964-PR
KNOJ--1965-PR
KNOJ--1966-PR
LERS--1967-SP
LERS--1968-DE
LERS--1968-SP
LERS--1969-DE
LERS--1969-SP
LERS--1971-TH
PIRF--1967-A
PIRF--1967-PU
PIRF--1968-A
PIRF--1968-IN
PIRF--1968-PU
PIRF--1968-WH
PIRF--1969-A
PIRF--1969-IN
PIRF--1969-PU
PIRF--1969-WH
PIRF--1971-A
PIRF--1971-DA
PIRF--1971-IN
PIRF--1971-PU
PIRF--1971-WH
RISJ--1959-CA
UNKNOWN--1956-A-11
UNKNOWN--1956-ST-45
UNKNOWN--1956-TH-23
UNKNOWN--1956-TH-24
UNKNOWN--1956-TH-25
UNKNOWN--1957-A-09
UNKNOWN--1957-TH-31
UNKNOWN--1957-TH-32
UNKNOWN--1957-TH-33
UNKNOWN--1957-TH-34
UNKNOWN--1957-TH-35

**V. A. Hospital (Huntington West Virginia)**
MURH--1964-EF

**V. A. Hospital (Indianapolis Indiana)**
HARP--1958-RA
LEPA--1967-IM
LEPA--1968-IM
LEPA--1969-IM
LEPA--1970-IM
MEAJ--1961-AR
MEAJ--1962-AR
MEAJ--1963-AR
OLIL--1961-EF
OLIL--1967-PA
OLIL--1968-PA
SCHA--1967-TH

SCHA--1968-TH
UNKNOWN--1956-ME-04
UNKNOWN--1956-TH-15
UNKNOWN--1957-CO-02
UNKNOWN--1957-ME-03
UNKNOWN--1957-RE-02
UNKNOWN--1957-TH-20

**V. A. Hospital (Iowa City Iowa)**
BARJ--1958-X-
BARJ--1960-DA
BARJ--1960-DE
CECR--1967-TH
CECR--1968-TH
FLOW--1960-IN
HILJ--1968-SE
KAUD--1967-DI
KIRW--1960-TH-01
KIRW--1960-TH-02
KIRW--1961-EF
KIRW--1961-SA
KIRW--1962-EF
KIRW--1962-SA
KIRW--1964-EF
KIRW--1964-SA
KIRW--1965-EF
KIRW--1965-SA
KIRW--1966-EF
KIRW--1966-SA
OTOJ--1967-LI
OTOJ--1968-LI
PETE--1961-EF
PETR--1958-TO
PETR--1959-TO
PETR--1960-A
PETR--1960-AL
PETR--1960-AN
PETR--1960-TH
PETR--1960-TO-01
PETR--1960-TO-02
PETR--1961-BO
PETR--1961-CO
PETR--1961-TO-01
PETR--1961-TO-02
PETR--1961-TO-03
PETR--1962-BO
PETR--1962-EF
PETR--1962-TO-01
PETR--1962-TO-02
PETR--1964-CO
PETR--1964-TO-01
PETR--1964-TO-02
PETR--1964-TO-03
PETR--1965-CO
PETR--1966-CO
PETR--1967-A
PETR--1967-AL
PETR--1967-EX
PETR--1967-TH-01
PETR--1967-TH-02
PETR--1968-A
PETR--1968-AL
PETR--1968-BO
PETR--1968-EX
PETR--1968-TH-01
PETR--1968-TH-02
PETR--1969-BO
PETR--1969-CO
PETR--1969-TH
PETR--1971-RA
UNKNOWN--1956-EF-04
UNKNOWN--1956-EF-05
UNKNOWN--1956-EX-02
UNKNOWN--1956-NO
UNKNOWN--1956-ST-18
UNKNOWN--1956-TO-01
UNKNOWN--1956-TO-02
UNKNOWN--1957-A-05
UNKNOWN--1957-A-06
UNKNOWN--1957-A-07
UNKNOWN--1957-CO-03
UNKNOWN--1957-EF-02
UNKNOWN--1957-EF-03
UNKNOWN--1957-SE-02
UNKNOWN--1957-TO-01
UNKNOWN--1957-TO-02
WEIR--1967-BO

**V. A. Hospital (Jackson Mississippi)**
COHED--1972-BI
COHED--1972-HU
GLAJ--1967-AN
GLAJ--1967-BR
GLAJ--1967-EV
GLAJ--1967-RE
GLAJ--1967-SE
GLAJ--1967-SU
GLAJ--1967-TH-01
GLAJ--1967-TH-02
GLAJ--1967-TH-03
GLAJ--1969-AN
GLAJ--1969-RE
GLAJ--1969-SE
GLAJ--1969-SU
GLAJ--1969-TH-01
GLAJ--1969-TH-02
GLAJ--1971-AN
HAIJ--1964-FA
HAIJ--1965-FA
HAIJ--1966-FA
HAMIJ--1972-BI
WILR--1972-AN

**V. A. Hospital (Jefferson Barracks)**
PREB--1964-EF
PREB--1965-EF
PREB--1966-EF

**V. A. Hospital (Kansas City Missouri)**
CARW--1962-HU
CARW--1964-HU
CARW--1965-HU
CARW--1966-HU
CARW--1967-HU
CARW--1968-HU
COHD--1967-BI
COHD--1967-BO
COHD--1968-BI
COHD--1968-BO
COHD--1970-BI
COHD--1970-HU
COHD--1971-BI
COHD--1971-HU
KLOA--1959-EX
KLOA--1959-FA
KLOA--1959-PA
ROUG--1967-PU
ROUG--1967-UR
UNKNOWN--1956-EV-05
UNKNOWN--1956-IN-07
UNKNOWN--1956-RE-05
UNKNOWN--1957-AU-02
UNKNOWN--1957-EV-06
UNKNOWN--1957-RE-05
UNKNOWN--1957-ST-23
UNKNOWN--1957-ST-24
UNKNOWN--1957-ST-25

**V. A. Hospital (Kecoughtan Virginia)**
HEIH--1960-CA-01
HEIH--1960-CA-02
HEIH--1961-CA
HEIH--1961-CO
HEIH--1961-IM
HEIH--1961-MU
HEIH--1962-CA
HEIH--1962-CO
HEIH--1962-IM
HEIH--1962-MU
MAYL--1967-TA-01
MAYL--1967-TA-02
MAYL--1968-TA

**V. A. Hospital (Lexington Kentucky)**
GREER--1967-LO
MOSL--1972-ME
NICW--1972-US
NORH--1972-ST
REDL--1967-CL
REDL--1968-CL
SELJ--1967-EV
SELJ--1967-VA-01
SELJ--1967-VA-02
SELJ--1968-EV
SELJ--1968-VA-01
SELJ--1968-VA-02
SELJ--1969-ME
SELJ--1969-SE
SELJ--1969-VA-01
SELJ--1969-VA-02
SELJ--1969-VA-03
SELJ--1971-ME
SELJ--1971-SE
SELJ--1971-VA-01
SELJ--1971-VA-02
SELJ--1972-VA
WILA--1969-IN-02

**V. A. Hospital (Lincoln Nebraska)**

DOHJ--1968-DI
DOHJ--1968-MA
DOHJ--1968-ME
GILL--1957-PR
PFEE--1968-A
VARL--1960-IO
WEAJ--1968-CO
WEAJ--1968-EL
WILW--1968-GA

**V. A. Hospital (Little Rock Arkansas)**
DALG--1971-A
DALG--1971-TH
DALG--1972-TH
DALG--1973-A
DALG--1973-ST
DOHJ--1967-DI
DOHJ--1967-MA
DOHJ--1967-ME
DOHJ--1967-TH
EBER--1961-RA
EBER--1962-RA
LOHW--1961-EF
LOHW--1961-IN
LOHW--1961-MO
LOHW--1961-RA
LOHW--1961-RE
LOHW--1961-ST
LOHW--1962-EF
LOHW--1962-IN
LOHW--1962-ME
LOHW--1962-MO
LOHW--1962-RA
LOHW--1962-RE
LOHW--1962-ST
LOHW--1964-EF
LOHW--1964-EL
LOHW--1964-ME
LOHW--1964-RA
LOHW--1964-RE
LOHW--1965-EL
LOHW--1965-ME
LOHW--1965-RE
LOHW--1966-ME
LOHW--1966-RA
LOHW--1966-RE
MOSA--1973-EF
PERW--1959-ST
PERW--1959-US
PFEE--1967-A
SANL--1973-EF
SANL--1973-IM
STRK--1973
TOWE--1965-RA
WEAJ--1967-CO
WEAJ--1967-EL
WILW--1967-GA

**V. A. Hospital (Livermore California)**
CIVM--1969-CO
FLOW--1967-CO
FLOW--1969-CO
LEIP--1969-RA
MAGG--1967-GA
MAGG--1968-GA
MURH--1967-US
MURH--1968-RE
MURH--1968-US
MURH--1969-RE
MURH--1969-US
MURH--1970-RE
MURH--1970-US
TSAP--1961-ES
TSAP--1962-ES
TSAP--1964-ES
WILA--1969-AS
WILA--1969-IN-01

**V. A. Hospital (Long Beach California)**
BASREE--1969-EF
BODR--1961-TH
BODR--1962-TH
BODR--1967-IN
BODR--1967-TH
BODR--1968-IN
BUCC--1959-DE
CIVM--1967-TH
CIVM--1968-TH
CIVM--1971-CO
EISJ--1972-NO
ELDE--1957-SU
FEDB--1962-MO
FEDB--1964-EV
FEDB--1965-EV
FELB--1966-EV
FLOW--1959-EF
FLOW--1959-IN
FLOW--1959-RO
FLOW--1960-TH
FLOW--1961-RE
FLOW--1962-RE
FLOW--1968-CO
FLOW--1970-CO
FLOW--1971-CO
FLOW--1972-CO
HARI--1959-BA
HARI--1959-IN-01
HARI--1959-IN-02
HARI--1959-RO
KURN--1957-PR
KURN--1972-X
LEIP--1970-RA
LEIP--1971-EF
LEIP--1971-RA
LEIP--1972-EF
LEIP--1972-RA
SHUH--1959-EV
SIEJ--1967-BL
SIEJ--1967-SC
UNKNOWN--1956-A-01
UNKNOWN--1956-A-02
UNKNOWN--1956-AU-01
UNKNOWN--1956-CO-01
UNKNOWN--1956-DE-01
UNKNOWN--1956-DO
UNKNOWN--1956-EF-01
UNKNOWN--1956-EF-02
UNKNOWN--1956-IM
UNKNOWN--1956-IN-01
UNKNOWN--1956-IN-02
UNKNOWN--1956-IS
UNKNOWN--1956-RO-01
UNKNOWN--1956-ST-03
UNKNOWN--1956-TH-01
UNKNOWN--1956-TH-02
UNKNOWN--1956-TH-03
UNKNOWN--1956-TH-04

UNKNOWN--1956-TH-05
UNKNOWN--1956-TH-06
UNKNOWN--1956-TH-07
UNKNOWN--1956-TH-08
UNKNOWN--1956-TH-09
UNKNOWN--1956-TH-10
UNKNOWN--1956-TH-11
UNKNOWN--1956-TH-12
UNKNOWN--1957-A-01
UNKNOWN--1957-AU-01
UNKNOWN--1957-DE-01
UNKNOWN--1957-DO-01
UNKNOWN--1957-EF-01
UNKNOWN--1957-IM
UNKNOWN--1957-IN-01
UNKNOWN--1957-IN-02
UNKNOWN--1957-IN-03
UNKNOWN--1957-IS-01
UNKNOWN--1957-LO-01
UNKNOWN--1957-SO-01
UNKNOWN--1957-ST-04
UNKNOWN--1957-TH-01
UNKNOWN--1957-TH-02
UNKNOWN--1957-TH-03
UNKNOWN--1957-TH-04
UNKNOWN--1957-TH-05
UNKNOWN--1957-TH-06
UNKNOWN--1957-TH-07
UNKNOWN--1957-TH-08
UNKNOWN--1957-TH-09
UNKNOWN--1957-TH-10
UNKNOWN--1957-TH-11
UNKNOWN--1957-TH-12
UNKNOWN--1957-TH-13
UNKNOWN--1957-TH-14
UNKNOWN--1957-TH-15
UNKNOWN--1957-TH-16
UNKNOWN--1957-TH-17
UNKNOWN--1957-TH-18
UNKNOWN--1957-TU-01
UNKNOWN--1957-ZI
WILA--1960-NU
WILA--1967-AS
WILA--1967-IN
WILA--1968-AS
WILA--1968-IN
WILA--1970-AS
WILA--1970-IN
WILA--1971-AS
WILA--1971-IN
WILA--1972-AS
WILA--1972-IN
WILA--1973-AS
WILA--1973-IN

**V. A. Hospital (Los Angeles California)**

BAKN--1967-GL
BAKN--1967-TO
BAKN--1968-GL
BAKN--1968-TO
BAKN--1969-GL
BAKN--1970-GL
BLAW--1959-OR
BLAW--1962-IN
BLAW--1964-IN
BLAW--1965-BI
BLAW--1965-IN
BLAW--1966-BI
BLAW--1966-IN
BLAW--1967-24
BLAW--1967-EL
BLAW--1967-LO
BLAW--1967-ST
BLAW--1967-TR-01
BLAW--1967-TR-02
BLAW--1968-24
BLAW--1968-EL
BLAW--1968-LO
BLAW--1968-RE
BLAW--1968-ST
BLAW--1968-TR-01
BLAW--1968-TR-02
BLAW--1969-24
BLAW--1969-EF
BLAW--1969-EL
BLAW--1969-EV
BLAW--1969-RE
BLAW--1969-ST
BLAW--1969-TR-01
BLAW--1969-TR-02
BLAW--1970-24
BLAW--1970-EF
BLAW--1970-EV
BLAW--1970-ST
BLAW--1970-SU
BLAW--1970-TR
BURD--1957-DE
BURD--1958-IS
CRAC--1965-EX
CRAC--1966-EX
CZEO--1969-EV
FIBM--1970-US
HALS--1970-99-01
HALS--1970-99-02
HAYMAR--1968-EF
HAYMAR--1968-PR
HAYMAR--1968-ST
HAYMAR--1968-TH
JORP--1957-IN
KAUJ--1957-CY
KAUP--1957-AB
KRIG--1970-SC
MCCK--1969-ME
MCCK--1969-TR
NATM--1969-HI
PECH--1959-IN
SCHM--1967-LI
SCHM--1968-LI
SCHM--1969-LI
SCHM--1970-LI
TUBM--1967-I
TUBM--1967-LI
TUBM--1967-TO-01
TUBM--1967-TO-02
TUBM--1968-I
TUBM--1968-RA
TUBM--1968-TO
TUBM--1969-RA
TUBM--1969-TO
TUBM--1970
UNKNOWN--1956-CA-01
UNKNOWN--1956-EV-01
UNKNOWN--1956-LA
UNKNOWN--1956-PO
UNKNOWN--1956-ST-04
UNKNOWN--1956-ST-05
UNKNOWN--1956-ST-06
UNKNOWN--1956-TH-13
UNKNOWN--1956-US-01
UNKNOWN--1957-CA-01
UNKNOWN--1957-EV-01
UNKNOWN--1957-EX-01
UNKNOWN--1957-LA
UNKNOWN--1957-PO
UNKNOWN--1957-ST-05
UNKNOWN--1957-TH-19
UNKNOWN--1957-US-01
WETL--1965-RA
WETL--1966-RA
WINC--1958-A
WINM--1969-US
WINM--1970-DE

**V. A. Hospital (Los Angeles (Wadsworth) California)**

BAKN--1971-GL
BAKN--1973-GL
BLAW--1971-24
BLAW--1971-EF
BLAW--1971-EL
BLAW--1971-RE
BLAW--1971-ST
BLAW--1971-SU
BLAW--1971-TR-01
BLAW--1971-TR-02
BLAW--1972-EF

BLAW--1972-RE
BLAW--1972-SU
BLAW--1972-TC
BLAW--1972-TC
BLAW--1972-TR
BLAW--1973-A
BLAW--1973-RA
ISEJ--1973-RA
KITM--1973-AP
KRIG--1971-SC
KRIG--1972-SC
KRIG--1973-TE
OLDW--1973-SE-01
OLDW--1973-SE-02
OLDW--1973-SY
SCHM--1971-LI
SCOJ--1973-IN
SINF--1973-DE
TUBM--1971-EV
TUBM--1971-IN
TUBM--1971-RA
TUBM--1971-TC-01
TUBM--1971-TC-02
TUBM--1971-TO
TUBM--1972
TUBM--1973-IN
TUBM--1973-TC
TUBM--1973-TE
WALJ--1973-RA
WINM--1971-CA
WINM--1971-DE-01
WINM--1971-DE-02
WINM--1971-US
WINM--1972-CA
WINM--1972-DE-01
WINM--1972-DE-02
WINM--1972-US
WINM--1973-CA
WINM--1973-DE-01
WINM--1973-DE-02
WINM--1973-US

**V. A. Hospital (Louisville Kansas)**
CZEO--1970-EV
CZEO--1971-EV
CZEO--1972-EV
DALD--1972-TI
GLEH--1971-ST
HOFF--1973-EF
HOFJ--1971-RN
HOFJ--1972-IN
KAPLUC--1967-CO
KAPLUC--1968-CO
MCCK--1958-MA
MCCK--1959-BI
MCCK--1959-ID
MCCK--1959-IS
MCCK--1959-MA
MCCK--1959-NE
MCCK--1959-PA
MCCK--1959-PR
MCCK--1959-RO
MCCK--1967-ME
MCCK--1967-TR
MCCK--1968-ME
MCCK--1968-TR
MCCK--1970-TR
MCCK--1971-HU
MCCK--1971-IN
MCCK--1971-ME
MCCK--1971-RE
MCCK--1971-RO
MCCK--1971-SE-01
MCCK--1971-SE-02
MCCK--1971-TR
MCCK--1972-HU
MCCK--1972-RO
MCCK--1972-SE-01
MCCK--1972-SE-02
MCCK--1972-ST
MCCK--1973-SE
NATM--1967-24
NATM--1967-HI
NATM--1968-HI
NATM--1970-HI
SAED--1971-IN
SAME--1973-DE
SAME--1973-ME
SIGCUR--1971-TH
SIGCUR--1972-TH
UNKNOWN--1956-CH-01
UNKNOWN--1956-DN
UNKNOWN--1956-EL
UNKNOWN--1956-IN-05
UNKNOWN--1956-PA-02
UNKNOWN--1956-SE-02
UNKNOWN--1956-ST-19
UNKNOWN--1956-TH-16
UNKNOWN--1956-TH-17
UNKNOWN--1957-CH-01
UNKNOWN--1957-DN
UNKNOWN--1957-EL-02
UNKNOWN--1957-IN-06
UNKNOWN--1957-PA-02
UNKNOWN--1957-SE-03
UNKNOWN--1957-ST-13
UNKNOWN--1957-ST-14
UNKNOWN--1957-TH-21
UNKNOWN--1957-TH-22

**V. A. Hospital (Madison Wisconsin)**
EISE--1969-AC
EISE--1971-AC
EISE--1972-AC
MACA--1967-DN
MACA--1967-LE
MACA--1968-DN
MACA--1968-LE
MACA--1969-LE
MACA--1971-CE
MACA--1971-LE
MACA--1971-WI
MACA--1972-CE
MACA--1972-WI

**V. A. Hospital (Martinez California)**
MANJ--1967-IR
MANJ--1967-SE
MANJ--1968-IR
MANJ--1968-LU
MANJ--1968-SE
MANJ--1969-IR
MANJ--1969-LU
MANJ--1969-SE
MANJ--1970-IR
MANJ--1970-LU
MANJ--1970-SE
MELP--1964-HI
MELP--1965-HI

**V. A. Hospital (Martinsburg West Virginia)**
ABTA--1958-DE
ABTA--1959-AU
ABTA--1959-DE
ABTA--1959-MU
ABTA--1959-ST
ABTA--1959-WO
ABTA--1960-AM
ABTA--1960-AU
ABTA--1960-CA
ABTA--1960-CH-01
ABTA--1960-CH-02
ABTA--1960-RE
ABTA--1960-RO
ABTA--1960-WO
ABTA--1961-AM
ABTA--1961-CA
ABTA--1961-DE
ABTA--1961-RE
ABTA--1961-RO
ABTA--1961-TI
ABTA--1962-DE
ABTA--1962-RO

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ABTA--1964-AS
ABTA--1964-RE
ABTA--1964-RO
ABTA--1965-AS
ABTA--1965-RE
ABTA--1965-RO
ABTA--1966-AS
ABTA--1966-RE
ABTA--1966-RO
ABTA--1967-RE
ABTA--1967-RO
ABTA--1968-RE
ABTA--1968-RO
BALV--1960-KI
BALV--1961-KI
COUL--1960-DE
COUL--1960-TI
COUL--1962-TI
GOTR--1959-ME
MARN--1962-AP-02
OGBR--1962-RA-02
OGBR--1962-SE-02
ROEJ--1959-RO
SCHP--1959-DE
SCHP--1969-GL
SCHP--1971-GL
SCHS--1958-DE
SCHS--1959-AN
SCHS--1959-C1
SCHS--1959-GO
SCHS--1959-TR-01
SCHS--1959-TR-02
SCHS--1960-AU
SCHS--1960-SY-01
SCHS--1960-SY-02
SCHS--1960-TR
SCHS--1964-IN
SCHS--1967-GL
SCHS--1967-IN
SCHS--1967-SY
SCHS--1969-RO
SCHS--1969-SY
SCHS--1971-RO
SWEL--1959-SE
UNKNOWN--1956-AS
UNKNOWN--1956-AU-02
UNKNOWN--1956-CA-03
UNKNOWN--1956-DE-13
UNKNOWN--1956-LO-02
UNKNOWN--1956-PA-04
UNKNOWN--1956-PR-04
UNKNOWN--1956-PR-05
UNKNOWN--1956-ST-48
UNKNOWN--1956-TH-27
UNKNOWN--1957-LO-02
UNKNOWN--1957-ST-37
UNKNOWN--1957-ST-38
UNKNOWN--1957-TH-36
UNKNOWN--1957-TH-37
UNKNOWN--1957-TH-38
UNKNOWN--1957-TH-39
UNKNOWN--1957-TH-40
VONS--1961-AU
VONS--1961-SY-01
VONS--1961-SY-02
VONS--1961-TR
VONS--1962-SY-01
VONS--1962-SY-02
VONS--1962-TR
VONS--1965-IN
VONS--1966-IN
VONS--1968-GL
VONS--1968-SU

**V. A. Hospital (Memphis Tennessee)**

BRAW--1957-IN
FIEM--1969-EV
FIEM--1971-EV
FIEM--1972-EV
GOLF--1969-EV
GOLF--1969-EX
HOFB--1969-RA
IRVC--1967-ON
IRVC--1967-PU
IRVC--1967-SY
IRVC--1968-ON
IRVC--1968-PU
IRVC--1968-SY
IRVC--1969-ON
JACC--1971-TH
JACC--1972-TH
JOHA--1969-LA
LEEN--1958-PH
LEEN--1959-ST
LEEN--1960-ST
LEEN--1961-ST
MYNR--1957-PR

**V. A. Hospital (Miami Florida)**

BUCI--1972-RA
GOLF--1968-CO
GOLF--1968-EV
GOLF--1968-TH
GOLF--1970-EV
GOLF--1970-EX
HOFB--1968-RA
HOFB--1970-RA
HOFB--1971-RA
ISAR--1971-ST
JOHA--1968-LA
JOHA--1968-RE
JOHA--1970-CA
JOHA--1970-GA-01
JOHA--1970-GA-02
JOHA--1970-LA
JOHA--1970-MO
JOHA--1971-CA
JOHA--1971-GA-01
JOHA--1971-GA-02
JOHA--1971-LA
JOHA--1971-MO
JOHA--1972-CA
JOHA--1972-DE
JOHA--1972-GA-01
JOHA--1972-GA-02
JOHA--1972-MO
MATB--1970-DE
MATB--1971-DE
SOLA--1971-BI
SOLA--1971-EF
SOLA--1971-NU
SOLA--1971-UT
WAGW--1971-TH

**V. A. Hospital (Minneapolis Minnesota)**

ANDR--1957-A
BROJ--1958-FL
BUCW--1957-SA
CHOS--1961-TH
CHOS--1962-TH
CHOS--1964-TH
CRAH--1967-UL
CRAH--1968-UL
EICA--1967-CH
EICA--1967-RE
EICA--1967-TH-01
EICA--1967-TH-02
INDJ--1958-SI
JARB--1957-TH
JARB--1958-TH
JORJ--1959-DE
JORJ--1961-DE
JORJ--1962-DE
KOHD--1957-DE
KOHD--1958-DE
KUMW--1957-DE
LEMJ--1957-DI
LEMJ--1957-SE
MAHV--1967-GA
MAHV--1967-ST
MAHV--1967-SY
MAHV--1968-GA
MAHV--1968-ST
MAHV--1968-SY
MAHV--1970-GA
MAHV--1970-ST

MAHV--1970-SY
MAHV--1971-ST
MAHV--1971-SY
MAHV--1972-ST
MENG--1957-CH
MENG--1957-ME
NAGH--1958-CO
OLSN--1957-EF
RUDG--1957-DE
RUDG--1957-EF
RUDG--1957-SE
RUDG--1957-TR
UNKNOWN--1956-A-08
UNKNOWN--1956-AB
UNKNOWN--1956-AC
UNKNOWN--1956-CH-02
UNKNOWN--1956-CO-04
UNKNOWN--1956-CO-05
UNKNOWN--1956-DI-04
UNKNOWN--1956-DI-05
UNKNOWN--1956-EX-03
UNKNOWN--1956-FE
UNKNOWN--1956-OX
UNKNOWN--1956-PL-02
UNKNOWN--1956-PR-03
UNKNOWN--1956-RE-04
UNKNOWN--1956-SE-03
UNKNOWN--1956-SE-04
UNKNOWN--1957-CH-02
UNKNOWN--1957-CO-05
UNKNOWN--1957-CO-06
UNKNOWN--1957-CO-07
UNKNOWN--1957-DI-02
UNKNOWN--1957-EX-02
UNKNOWN--1957-FR
UNKNOWN--1957-RA-07
UNKNOWN--1957-RE-03
UNKNOWN--1957-RE-04
UNKNOWN--1957-SE-04
UNKNOWN--1957-SE-05
UNKNOWN--1957-TH-26
UNKNOWN--1957-VI
UNKNOWN--1967-RE
VIXV--1966-EV
WALH--1958-CL
ZIEL--1967-AP
ZIEL--1967-EF
ZIEL--1968-EF-01
ZIEL--1968-EF-02
ZIEL--1968-EF-03
ZIEL--1968-EF-04
ZIEL--1970-EF-01
ZIEL--1970-EF-02
ZIEL--1970-EF-03
ZIEL--1971-EF
ZIEL--1972-ST

**V. A. Hospital (Murfreesboro Tennessee)**

BRIA--1968-OB
GRIJ--1968-ST
LAWD--1968-ST
SALW--1968-17
SALW--1968-HO
SALW--1968-UR-01
SALW--1968-UR-02

**V. A. Hospital (Nashville Tennessee)**

ALSW--1967-OB
ASHW--1959-AD
GRIJ--1967-ST
GRIJ--1969-ST
GRIJ--1970-ST
GRIJ--1971-ST
JOHE--1969-DE
JOHE--1970-DE
JOHR--1971-DE
KORROS--1953-RA
LAWD--1967-ST
LAWD--1969-ST
LAWD--1970-ST
MENG--1958-ME
MENG--1960-ME
MENG--1961-AP
MENG--1961-ME
MENG--1962-AP
NIJG--1960-PR
ORAM--1958-ST
ROTM--1958-AN
ROTM--1958-CI
ROTM--1958-EF
ROTM--1958-TR
RUDG--1958-TR
SALW--1967-17
SALW--1967-HO
SALW--1967-UR-01
SALW--1967-UR-02
SALW--1967-VI
SCHS--1958-EL
UNKNOWN--1956-CH-04
UNKNOWN--1956-DE-12
UNKNOWN--1956-DI-07
UNKNOWN--1956-EF-11
UNKNOWN--1956-EF-12
UNKNOWN--1956-EX-04
UNKNOWN--1956-ME-06
UNKNOWN--1956-SA
UNKNOWN--1956-SE-06
UNKNOWN--1956-TR-02
UNKNOWN--1972-DE
YOUJ--1960-EX
YOUJ--1961-CA
YOUJ--1962-CA
YOUJ--1964-CA
YOUJ--1965-CA

**V. A. Hospital (New Orleans Louisiana)**

BICJ--1961-TH
BREE--1959-EF
BREE--1959-I
BREE--1960-I
BREE--1960-TH
BREE--1961-IO
BREE--1961-TH
BREE--1962-IO
BREE--1962-TH
BREE--1963-IO
BREE--1963-TH
BREE--1964-TH
MCAR--1962-TH
MCAR--1963-UL
MCAR--1964-AN
MCAR--1967-A
MCAR--1968-A
MCAR--1969-A
MCAR--1970-A
MCAR--1971-A
MCAR--1972-A
MEYJ--1959-ME-01
MEYJ--1959-ME-02
MEYJ--1959-RO
ODEC--1964-UL
ODEC--1965-UL
ODEC--1966-UL
STAR--1970-EV
STAR--1970-SE
STAR--1971-CA
STAR--1971-EV
STAR--1972-75
STAR--1972-EV
UNKNOWN--1956-CL-01
UNKNOWN--1956-CL-02
UNKNOWN--1956-ER-02
UNKNOWN--1956-PH-01
UNKNOWN--1956-RE-03
UNKNOWN--1956-RO-02
UNKNOWN--1956-ST-20
UNKNOWN--1956-VI
UNKNOWN--1957-CL
UNKNOWN--1957-ER-02

**V. A. Hospital (New York New York)**

COHG--1966-IR
DANJ--1960-PL
KAPG--1960-DE
KAPG--1963-PO

KAPG--1964-PO
KAPG--1965-IR
KAPG--1966-PO
ORAM--1960-TH
ORAM--1961-TH
ORAM--1962-TH
ORAM--1963-TH
ORAM--1964-TH
ORAM--1965-TH
ROTM--1963-FA
ROTM--1964-FA
ROTM--1965-FA
ROTM--1966-FA
ROTM--1967-FA
ROTM--1968-FA
ROTM--1969-FA
ROTM--1970-FA
ROTM--1971-RA
ROTM--1972-FA
ROTM--1972-ME
SCHS--1967-ME
SCHS--1968-ME
SCHS--1969-ME
SCHS--1970-ME
SCHS--1971-ME
UNKNOWN--1956-DI-06
UNKNOWN--1956-ST-28
UNKNOWN--1957-DI-03
UNKNOWN--1957-ST-26

**V. A. Hospital (Newington Connecticut)**
KRAE--1957-IN
OLIR--1957-RE
WESS--1957-CH
WESS--1958-CH

**V. A. Hospital (Northport New York)**
KRAE--1960-RO

**V. A. Hospital (Oakland California)**
JACL--1961-EV
MELP--1963-HI

**V. A. Hospital (Oklahoma City Oklahoma)**
BERE--1958-EF
CAPR--1959-CO
GLAS--1963-PR
GLAS--1964-PR
GREL--1968-IS
GREL--1969-IS
GREL--1970-IS
HAMJ--1959-CH
HAMJ--1967-DE
HIRR--1963-US
HIRR--1964-US
JOHP--1958-BL
JOHP--1958-CO
JOHP--1958-DE
JOHP--1958-EF
JOHP--1958-IN-01
JOHP--1958-IN-02
JOHP--1958-ME
JOHP--1958-RE
JOHP--1958-ST
JOHP--1958-TH
JOHP--1958-TO
JOHP--1959-DE
JOHP--1959-EF-01
JOHP--1959-EF-02
JOHP--1959-EF-03
JOHP--1959-IR
JOHP--1959-ME
JOHP--1960-CA
JOHP--1961-DE
LEVS--1964-TH
LEVS--1965-ME
LEVS--1965-TH
LEVS--1966-ME
LEVS--1966-TH
MASY--1960-DI
MASY--1961-DI
MASY--1962-DI
MUCH--1958-DE
MUCH--1959-EF
PALG--1973
PATRD--1958-MU
SCOW--1959-DE
SEVG--1959-CH
SEVG--1959-DE-01
SEVG--1959-DE-02
SEVG--1967-TH
SHEM--1958-CH
SHEM--1959-CH
SKAW--1958-DE
SMIC--1968-EA
SMIC--1969-EA
SMIC--1970-EA
SMIW--1959-EF
SMIW--1959-ER
SMIW--1960-DE
SMIW--1960-ER
SMIW--1961-DE
SMIW--1961-ER
SMIW--1962-ER
UNKNOWN--1956-BL-02
UNKNOWN--1956-CA-02
UNKNOWN--1956-CH-03
UNKNOWN--1956-CO-08
UNKNOWN--1956-CR
UNKNOWN--1956-DE-10
UNKNOWN--1956-DE-11
UNKNOWN--1956-EF-07
UNKNOWN--1956-EF-08
UNKNOWN--1956-EF-09
UNKNOWN--1956-EF-10
UNKNOWN--1956-IR-02
UNKNOWN--1956-ME-05
UNKNOWN--1956-MU
UNKNOWN--1956-RA-06
UNKNOWN--1957-BL-02
UNKNOWN--1957-CA-03
UNKNOWN--1957-CH-03
UNKNOWN--1957-CO-10
UNKNOWN--1957-CR-01
UNKNOWN--1957-DE-12
UNKNOWN--1957-DE-13
UNKNOWN--1957-EF-05
UNKNOWN--1957-EF-06
UNKNOWN--1957-EF-07
UNKNOWN--1957-EF-08
UNKNOWN--1957-ME-04
UNKNOWN--1957-MU-02
WELJ--1968-AS
WELJ--1969-AS
WHIW--1958-CL
WHIW--1958-ST
WHIW--1959-ER
WHIW--1959-IR
WOOA--1963-SE
WOOA--1964-SE
WOOA--1965-SE

**V. A. Hospital (Omaha Nebraska)**
BARA--1967-EL
BARA--1967-LI
BARA--1967-PR
BARA--1968-EL
BARA--1968-LI
BARA--1968-PR
BARA--1969-EL
BARA--1969-LI
BARA--1969-PR
BARA--1970-EL
BARA--1970-LI
BARA--1970-PR
BARA--1972-PR
BLOA--1966-HI
BLOA--1967-RA
BLOA--1968-RA
BLOA--1969-RA
BLOA--1970-RA
BLOA--1971-RA
BLOA--1972-RA
DUNA--1959-TR

DUNA--1960-TR
DUNA--1961-TR
DUNA--1962-TR
DUNA--1963-TR
DUNA--1965-AP
DUNA--1966-AP
ESKC--1967-SO
FERR--1967-NE
GOODD--1972-DE
HAHH--1971-NE
HAHH--1972-NE
HAHK--1967-NE
HAHK--1968-NE
HAHK--1969-NE
HAHK--1970-NE
HAVG--1967-TH
HAVG--1968-TH
HAVM--1968-NA
JOYJ--1972-RA
KERF--1967-AC
KLEW--1957-HY
MARN--1962-AP-01
MARN--1963-AP
MARN--1964-AP
MARN--1965-AP
MARN--1966-AP
MATJ--1967-AL
MATJ--1967-CO
MATJ--1967-NE
MATJ--1968-AL
MATJ--1968-CO
MATJ--1969-AL
MATJ--1970-AL
MATJ--1971-AL
NOVE--1967-DE
NOVE--1967-LO
NOVE--1967-TE
NOVE--1967-TR
NOVE--1968-TR
NOVE--1969-TR
NOVE--1970-TR
NOVE--1972-TR
OGBR--1959-TH
OGBR--1960-EV
OGBR--1960-NU
OGBR--1961-NU
OGBR--1961-ST
OGBR--1962-RA-01
OGBR--1962-SE-01
OGBR--1962-ST
OGBR--1963-SE
OGBR--1963-ST
OGBR--1964-SE
OGBR--1964-ST
OGBR--1965-SE
OGBR--1965-ST
OGBR--1966-ST
PAPP--1967-OR
PARKJ--1972-TE
QUAM--1966-RE
QUAM--1966-T
QUAM--1967-RE-01
QUAM--1967-RE-02
QUAM--1967-T3
QUAM--1968-RE-01
QUAM--1968-RE-02
QUAM--1968-T2
RACE--1972-HA
UNKNOWN--1956-CO-06
UNKNOWN--1956-CO-07
UNKNOWN--1956-DE-09
UNKNOWN--1956-IN-08
UNKNOWN--1956-LO-01
UNKNOWN--1956-US-04
UNKNOWN--1957-CO-08
UNKNOWN--1957-IN-08
UNKNOWN--1957-US-04
UNKNOWN--1967-N.

**V. A. Hospital (Oteen North Carolina)**

JOYJ--1967-I
JOYJ--1967-IS
JOYJ--1967-TH
JOYJ--1968-TH
JOYJ--1968-VA
JOYJ--1969-ME
JOYJ--1969-VA
KANO--1961-AP
KANO--1961-UL
KANO--1962-AP
KANO--1962-SC
KANO--1962-UL
KANO--1963-AP
KANO--1963-FL
KANO--1963-SC
KANO--1963-UL
KANO--1964-FL
KANO--1964-UL
KANO--1965-AP
KANO--1965-FL
KANO--1965-UL
KANO--1965-VE
KANO--1966-AP
KANO--1966-FL
KANO--1966-TH
KANO--1966-UL
PAYC--1967-UL
PAYC--1968-UL
PAYC--1969-UL
PAYC--1971-UL
TAKT--1968-TH
TAKT--1969-TH
TAKT--1971

**V. A. Hospital (Palo Alto California)**

AXLS--1971-TH
DENG--1966-NE
DENG--1967-NE
FOGM--1971-EV
FOGM--1971-LA
GOOD--1968-DE
GOOD--1968-NE
GOOD--1969-DE
GOOD--1970-DE
GOOD--1971-DE
HEAJ--1971-HY
PARKJ--1973
ROTB--1969-EV
TAYK--1971

**V. A. Hospital (Perry Point Maryland)**

ROTB--1967-BR
ROTB--1967-CO
ROTB--1967-ST
ROTB--1968-A
ROTB--1968-BR
ROTB--1968-EV
ROTB--1968-ST
ROTB--1971-DO
ROTB--1972-DO
ZANGH--1957-EV

**V. A. Hospital (Philadelphia Pennsylvania)**

BOYR--1958-TR
DOWR--1958-OX
DOWR--1958-UR
KARS--1960-SP
LAFJ--1968-EL
LAFJ--1969-EL
LAFJ--1971-EL
LAFJ--1972-EL
MARAJ--1962-RA
MARAJ--1963-RA
MAYR--1961-LY
MAYR--1962-LY
MYER--1960-DI
RABJ--1958-AN
RABJ--1958-BI
RABJ--1958-CA-01
RABJ--1958-CA-02
RABJ--1958-ST-01
RABJ--1958-ST-02
RABJ--1958-ST-03
RABJ--1959-BI-01

*Sources and Documentation*

RABJ--1959-BI-02
RABJ--1960-IS
RABJ--1960-LI
RABJ--1960-LO
RABJ--1960-ST
RABJ--1961-IS
RABJ--1961-LI
RABJ--1961-LO
RABJ--1962-IS
RABJ--1962-LI
RABJ--1962-LO
RABJ--1963-IS
RABJ--1963-LO
RABJ--1963-ME
RABJ--1964-LO
RABJ--1964-ME
RABJ--1965-A
RABJ--1965-EF
RABJ--1965-LO
RABJ--1966-A
RABJ--1966-BI
RABJ--1966-EF
RABJ--1967-AU
RABJ--1967-CA
RABJ--1967-EF-01
RABJ--1967-EF-02
RABJ--1967-EL
RABJ--1967-FA
RABJ--1967-ID
RABJ--1967-IO
RABJ--1967-ST
RABJ--1967-TH
RABJ--1968-AU
RABJ--1968-FA
RABJ--1968-ID
RABJ--1968-ST
RABJ--1969-FA
RABJ--1969-ID
RABJ--1969-RE
RABJ--1969-ST
RABJ--1971-ST
RABJ--1971-TH
RABJ--1972-CO
RABJ--1972-DE
RABJ--1972-TH
RABJ--1973-TH
SHAB--1965-IO
SHAB--1966-IO
SHOA--1967-LI
SHOA--1968-LI
STEB--1960-BI
STRH--1959-ST
UNKNOWN--1956-A-10
UNKNOWN--1956-BI
UNKNOWN--1956-ST-42
UNKNOWN--1956-ST-43
UNKNOWN--1956-TH-21
UNKNOWN--1956-TH-22
UNKNOWN--1956-TR-01
UNKNOWN--1956-UR
UNKNOWN--1957-IS-02
UNKNOWN--1957-ST-34
UNKNOWN--1957-TR-01
UNKNOWN--1957-UR
WOHG--1958-TH
WOHG--1959-CI
WOHG--1959-CO
WOHG--1959-IN
WOHG--1959-OR
WOHG--1960-AN
WOHG--1960-CH
WOHG--1960-CI
WOHG--1960-IN
WOHG--1960-ME
WOHG--1960-OR
WOHG--1960-RA
WOHG--1961-ME-01
WOHG--1961-ME-02
WOHG--1962-ME

**V. A. Hospital (Phoenix Arizona)**
COHS--1960-AX
COHS--1971-AT
LISH--1968-A
LISH--1969-A
LISH--1970-A
LISH--1971-A
LISH--1972-A
REIW--1967-BL
WALJ--1968-ME

**V. A. Hospital (Pittsburgh Pennsylvania)**
EICA--1967-GA
FISE--1961-ME
FISE--1962-ME
FISE--1962-SI
FISE--1963-SI
ROSH--1964-BI
ROSH--1965-BI
ROSH--1966-BI
UNKNOWN--1967-DE
VESJ--1961-FA
VESJ--1962-FA
VESJ--1963-FA
VESJ--1963-TH
VESJ--1964-FA
VESJ--1964-TH
VESJ--1967-TI
WALDH--1960-A
WALDH--1961-A
WALDH--1961-SI
WALDH--1962-A
WALDH--1963-A

**V. A. Hospital (Portland Oregon)**
BOYJ--1973-CL
WALJ--1967-TE
WALJ--1971-CL
WALJ--1972-CL
WALJ--1973-CL

**V. A. Hospital (Providence Rhode Island)**
CLAB--1967-TH
CLAB--1968-TH
KERM--1967-SE

**V. A. Hospital (Richmond Virginia)**
HADH--1967-EV
HADH--1968-EV
HADH--1972-ME
HAYH--1971-IS
HAYH--1971-ME
KONH--1962-TH-01
KONH--1962-TH-02
KONH--1963-RE
KONH--1963-TH
SHARA--1961-ME
SHARA--1962-ME
ZIMY--1965-EF
ZIMY--1966-EF-01
ZIMY--1966-EF-02

**V. A. Hospital (Saint Louis Missouri)**
DONR--1973-RA
FLEJ--1973-CO
FLEJ--1973-RA
GALN--1967-AN
GALN--1967-FA
GALN--1967-HU
GALN--1967-ST-01
GALN--1967-ST-02
HAGG--1973-DO

**V. A. Hospital (Salt Lake City Utah)**
KUML--1967-A-01
KUML--1967-A-02
KUML--1967-DI
KUML--1968-A
KUML--1968-DI
STRAR--1966-PH
WESC--1959-ME
WESC--1959-SY
WESC--1959-US

WESC--1960-AN
WESC--1960-TH-01
WESC--1960-TH-02
WESC--1960-TH-03
WESC--1961-AN
WESC--1961-DI
WESC--1961-TH-01
WESC--1961-TH-02
WESC--1962-AN
WESC--1962-DI
WESC--1962-TH
WESC--1963-AN
WESC--1963-DI
WESC--1964-DI
WESC--1964-TH
WESC--1965-DI
WESC--1966-DI

**V. A. Hospital (San Francisco California)**

CAVR--1965-EV
CAVR--1966-EV
CAVR--1967-EV
CAVR--1967-I
CAVR--1967-TH-01
CAVR--1967-TH-02
CAVR--1967-UT
CAVR--1968-TH
CAVR--1968-UT
CAVR--1969-TH
CAVR--1969-UT
CAVR--1970-TH
CAVR--1970-UT
CAVR--1972-KI
CAVR--1972-TH
CAVR--1972-UT
GELA--1959-CE
GOOJ--1962-EF
GOOJ--1962-IM
JERF--1960-CI
JERF--1961-CI
JERF--1961-ME
JERF--1962-ME
JERF--1964-ME
JERF--1965-ME
JERGF--1963-ME
LEWR--1969-WA
LEWR--1970-WA
NEWR--1960-DI
NEWR--1961-DI
RADC--1963-RA
REIW --1960-ME
REIW--1959-CO
REIW--1959-TU
REIW--1959-TY
REIW--1960-TU
REIW--1960-TY
REIW--1961-AP
REIW--1961-ME
REIW--1961-TY
REIW--1962-AP
REIW--1962-ME
REIW--1962-TY
REIW--1963-AP
REIW--1963-ME
REIW--1963-TY
REIW--1964-AP
REIW--1964-ME
REIW--1964-TY
REIW--1965-AP
REIW--1965-ME
REIW--1965-TY
REIW--1966-AP
ROSS--1965-HI
ROSS--1966-HI
SCOK--1959-ME
SCOK--1960-PL
SCOK--1961-PL
SEAG--1959-EF
SEAG--1960-EF
SEAG--1961-EF
SEAG--1963-PH
SEAG--1964-PH
SEAG--1964-RA
SEAG--1965-PH
SEAG--1965-RA
SEAG--1966-PH
SEAG--1966-RA
SEAG--1967-GL
SEAG--1967-IN
SEAG--1967-ME
SEAG--1967-NE
SEAG--1967-PH
SEAG--1968-ME
SEAG--1969-IN
SEAG--1969-ME
SEAG--1970-IN
SEAG--1970-ME
SMIF--1965-TR
SMYF--1964-TR
UNKNOWN--1956-BL-01
UNKNOWN--1956-CO-02
UNKNOWN--1956-DI-01
UNKNOWN--1956-ME-01
UNKNOWN--1956-RE-01
UNKNOWN--1956-SC
UNKNOWN--1956-SO
UNKNOWN--1956-ST-07
UNKNOWN--1956-ST-08
UNKNOWN--1956-ST-09
UNKNOWN--1956-ST-10
UNKNOWN--1956-TH-14
UNKNOWN--1956-TU
UNKNOWN--1957-BL-01
UNKNOWN--1957-CI
UNKNOWN--1957-CO-01
UNKNOWN--1957-EL-01
UNKNOWN--1957-RB
UNKNOWN--1957-SC-01
UNKNOWN--1957-SO-02
UNKNOWN--1957-TU-02
UNKNOWN--1957-VA

**V. A. Hospital (San Juan Puerto Rico)**

CROP--1967-AM
CROP--1970-AM
CROP--1970-OR
MOSR--1973-EF
RAME--1967-UP
RAME--1968-UP
RIVJ--1967-SU
RIVJ--1970-MU
RIVJ--1970-RA
RIVJ--1970-SE
RIVJ--1970-SU
RIVJ--1971-RA
RIVJ--1971-SE
RIVJ--1972-RA
RIVJ--1972-SE
RIVJ--1973-RA
SALI--1973-RA
TOMJ--1972
TORE--1961-FA
TORE--1962-FA
TORE--1967-BE
TORE--1967-ID-01
TORE--1967-ID-02
TORE--1967-IS
TORE--1967-ST
TORE--1968-BE
TORE--1968-IS
TORE--1968-ST
TORE--1970-BE
TORE--1970-ID
TORE--1970-IS
TORE--1970-ST
WERJ--1967-PR

**V. A. Hospital (Seattle Washington)**

BAYD--1967-EF
BAYD--1971-PA
BAYD--1972-BO
BAYD--1972-PA
EATN--1959-CE
EATN--1959-EN
FELD--1959-LI
FELD--1959-ME

FELD--1959-SY
GILS--1967-CA
HAMG--1972-US
HAMG--1973-TH
HUFR--1958-IN
HUFR--1959-IS
KELW--1962-RA
KELW--1963-RA
NELW--1967-IN
NELW--1969-IN
NELW--1970-IN
NELW--1971-IN
NELW--1972-IN
NELW--1973
PARD--1959-IN
RICC--1967
RICC--1967-CH
RICC--1967-EF
RICC--1967-HE
RICC--1967-ST
RICC--1967-UL
RICC--1968-CH
RICC--1968-EF
RICC--1968-HE
RICC--1968-UL
RICC--1969-EF-01
RICC--1969-EF-02
RICC--1969-HE
RICC--1970-EF
RICC--1970-HE
RICC--1971-EF
RICC--1971-HE
RICC--1972-EF
STAM--1967-EV
STAM--1967-PA
STAM--1968-EV
STAM--1969-EV
STAM--1969-PA
STAM--1970-EV
STAM--1970-PA
UNKNOWN--1956-AP-02
UNKNOWN--1956-BL-03
UNKNOWN--1956-CO-09
UNKNOWN--1956-IN-10
UNKNOWN--1956-IR-03
UNKNOWN--1956-LU
UNKNOWN--1956-ME-07
UNKNOWN--1956-PH-02
UNKNOWN--1956-RE-06
UNKNOWN--1956-RE-07
UNKNOWN--1956-ST-46
UNKNOWN--1956-ST-47
UNKNOWN--1956-SY-02
UNKNOWN--1956-TH-26
UNKNOWN--1956-TR-03
UNKNOWN--1957-BL-05
UNKNOWN--1957-TR-02
WARM--1969-VE
WARM--1970-VE
WERJ--1968-PR
WERJ--1969-PR
WERJ--1970-PR
WERJ--1971-PR
WERJ--1972-PR

**V. A. Hospital (Sepulveda California)**
ARVJ--1961-DE
COHM--1968-LO
COHM--1969-JO
COHM--1969-LU
COHM--1970-EV
COHM--1970-JO
COHM--1970-LU
COHM--1971-DE
COHM--1971-EV
COHM--1971-JO
COHM--1971-LU
COHM--1972-DE
COHM--1972-LU
MUNT--1961-CL
SPOL--1967-ST
SPOL--1968-ST
WAGM--1971-CL
WAGM--1972-CL

**V. A. Hospital (St. Cloud Minnesota)**
BUSJ--1960-NU
BUSJ--1961-NU
BUSJ--1962-NU
BUSJ--1963-NU
BUSJ--1964-NU

**V. A. Hospital (Syracuse New York)**
CHOR--1958-AN
CHOR--1958-BL
CHOR--1958-ST
CHOR--1958-TH
CHOR--1966-OR
CHOR--1967-BI
CHOR--1967-OR
CHOR--1967-RA-01
CHOR--1967-RA-02
CHOR--1967-ST
CHOR--1967-TH
DUNM--1971-CA-01
DUNM--1971-CA-02
DUNM--1972-CA-01
DUNM--1972-CA-02
DUNM--1973-CA-01
DUNM--1973-CA-02
EICR--1958-CA
HAMMD--1971-AP
LEVM--1967-EF
LEVM--1967-IN
MILM--1973-ST
RAIL--1958-ST
RAIL--1958-TH
RUEW--1958-KI
RUEW--1958-SU
RUEW--1958-TH
RUEW--1958-TI
STEK--1958-RA-01
STEK--1958-RA-02
STEK--1958-ST
UNKNOWN--1956-A-09
UNKNOWN--1956-IN-09
UNKNOWN--1956-PA-03
UNKNOWN--1956-ST-29
UNKNOWN--1956-ST-30
UNKNOWN--1956-ST-31
UNKNOWN--1956-ST-32
UNKNOWN--1956-ST-33
UNKNOWN--1956-TH-18
UNKNOWN--1956-TI
UNKNOWN--1957-CA-02
UNKNOWN--1957-CO-09
UNKNOWN--1957-DI-04
UNKNOWN--1957-EV-07
UNKNOWN--1957-FE
WALL--1971-IN
WALL--1972-IN

**V. A. Hospital (Temple Texas)**
COUJ--1973-DE

**V. A. Hospital (Togus Maine)**
OCOF--1960-VI

**V. A. Hospital (Tucson Arizona)**
ESKC--1968-EF
ESKC--1969-EF
PILA--1968-DI
REDJ--1967-ST
REDJ--1968-ST
REDJ--1969-ST
ROSR--1963-A
ROSR--1964-A
ROSR--1965-A
TOWJ--1967-AM
TOWJ--1968-AM
TOWJ--1969-AM
WALB--1967-A
WALB--1967-LA
WALB--1968-ME
WALB--1969-ME

WOOA--1973-BI

**V. A. Hospital (Tuskeegee Alabama)**
BROI--1971-A

**V. A. Hospital (Van Nuys California)**
DOWAND--1943-1947-BI

**V. A. Hospital (Washington District of Columbia)**
FREE--1960-TH
HANH--1973-IN-01
HANH--1973-IN-02
JANB--1960-TH
JANB--1960-TH-02
KAWB--1971-CO
LEAW--1960-TH-01
LEAW--1960-TH-02
LEAW--1960-TH-03
LEAW--1962-TH
LEAW--1963-TH
LEAW--1964-TH
LEAW--1965-TH
LEAW--1966-TH
SAUB--1966-PI
SAUB--1967-PI
SAUB--1968-PI
SAUB--1969-PI
SAUB--1970-PI
SAUB--1970-SK
SAUB--1971-CO
SAUB--1971-PI
SAUB--1971-SK
SAUB--1972-CO
SAUB--1972-PI
SAUB--1972-SK
SAUB--1973-CO

**V. A. Hospital (West Haven Connecticut)**
ALEN--1956-ST
ALEN--1956-TH
BUCD--1956-SE
BUCD--1956-TH-01
BUCD--1956-TH-02
BUCD--1957-AN
BUCD--1958-AN
BUCD--1960-WA
BUCD--1967-BR
BUCD--1967-IS
BUCD--1967-MU
BUCD--1967-SY
BUCD--1968-IS
BUCD--1968-MU
BUCD--1968-SY
BUCD--1969-A
BUCD--1969-MU
BUCD--1969-RA
BUCD--1970-A
BUCD--1970-AN
BUCD--1970-IS
BUCD--1970-MU
BUCD--1970-RA
BUCD--1971-AN
BUCD--1971-IS
BUCD--1971-MU
BUCD--1971-RA
BUCD--1972-AN
BUCD--1972-IS
BUCD--1972-MU
BUCD--1973-AN
DORF--1967-CH
HALE--1967-ME
HALE--1968-ME
HEIW--1962-RA
HEIW--1963-RA
HOLJ--1962-A
MCMI--1956-BI
MCMI--1956-TH
MITJ--1962-PU
SASA--1969-DI
SKOA--1958-TH
UNKNOWN--1956-A-03
WHEH--1969-LA
YESR--1973-IN

**V. A. Hospital (West Roxbury Massachusetts)**
BARE--1967-ER
BARE--1968-A
BUSB--1965-US
BUSB--1966-US
GOLDR--1957-X
GOMR--1962-DI
GOMR--1963-DI
GOMR--1964-DI
GOMR--1965-DI
GOMR--1966-DI
GRIH--1973-US
HOLC--1963-EN
HOLC--1964-EN
LITD--1963-ME
LITD--1964-ME
LITD--1965-ME
LITD--1966-ME
MACW--1963-RA
MACW--1964-RA
MARJ--1962-EF
MARJ--1963-EF
PHIA--1962-EF
PHIA--1963-EF
SASA--1963-UP
SASA--1964-UP
SASA--1965-UP
SASA--1968-DI
SASA--1971-DI
SASA--1972-DI
TALH--1967-IN
WARR--1963-SI
WARR--1967-DI
WHEH--1962-IS
WHEH--1963-IS
WHEH--1963-RA
WHEH--1964-IS
WHEH--1964-RA
WHEH--1965-IS
WHEH--1965-RA
WHEH--1966-IS
WHEH--1966-RA
WHEH--1967-RA
WHEH--1968-RA
WHEH--1971-LA
WHEH--1972-LA

**V. A. Hospital (White River Junction Vermont)**
CUMW--1962-MO
CUMW--1963-MO
FREW --1967-CO

**V. A. Hospital (Wood (Milwaukee) Wisconsin)**
BELJ--1960-CI
BRUJ--1967-BI
CLOA--1959-FR
CLOA--1960-SI
CLOA--1961-SI
DARJ--1961-VA
DARJ--1962-VA
DARJ--1962-VA-02
DESB--1959-EF
DESB--1960-TH
GARM--1959-RE
GARM--1960-TH
GARM--1961-TH
GRAE--1968-A
GUAA--1973-TH
HAML--1972-AP
HENE--1967-EF
HENE--1968-TH
HENE--1969-EF
HENE--1970-EF
HENE--1971-EF
HOGJ--1971-QU
HORJ--1969-A
HORJ--1969-QU

HORJ--1970-QU-01
HORJ--1970-QU-02
HORJ--1971-A
KLIH--1967-IN
KLIH--1968-IN
KLIH--1969-IN
KLIH--1970-IN
KLIH--1971-IN
MEAR--1959-CO
MEAR--1959-EF
MEAR--1959-IM
MEAR--1959-NA
MEAR--1959-ST
MEAR--1959-UP
MEAR--1960-A
MEAR--1960-AN
MEAR--1960-IN
MEAR--1960-P
MEAR--1961-IN
MEAR--1961-PH
MEAR--1967-A
MEAR--1967-CO
MEAR--1967-EV
MEAR--1967-GA
MEAR--1967-ST-01
MEAR--1967-ST-02
MEAR--1967-TE
MEAR--1967-TH
MEAR--1967-UL
MEAR--1968-A
MEAR--1968-CO
MEAR--1968-EV
MEAR--1968-GA
MEAR--1968-QU
MEAR--1968-RE
MEAR--1968-ST
MEAR--1968-TH
MEAR--1969-CO
MEAR--1969-EV
MEAR--1969-GA
MEAR--1969-RE
MEAR--1969-ST
MEAR--1970-A
MEAR--1970-CO
MEAR--1970-EV
MEAR--1970-GA
MEAR--1970-RA
MEAR--1971-CA
MEAR--1971-CL
MEAR--1971-EV
MEAR--1971-GA
MEAR--1971-RA
MEAR--1971-RE
MEAR--1971-ST
MEAR--1972-CO
MEAR--1972-GA
MEAR--1972-RA
MEAR--1972-RE
MEAR--1972-ST
MEAR--1973-CO
MEAR--1973-GA
MEAR--1973-RA
MEAR--1973-ST
MOSR--1961-ST
MOSR--1962-ST
MOSR--1963-ST
POHG--1969-VE
POHG--1970-VE
POHG--1971-VE
POHG--1972-VE
REUP--1973-11
REUP--1973-99
ROSSR--1960-ST
STRJ--1968-RA
STRJ--1969-RA
UNKNOWN--1960-A
WEIC--1960-IN

**Walter E. Fernald State School**
BROFEL--1950-1954-ST
BROFEL--1957-CA
BROFEL--Unknown-AB

**Walter Reed Army Institute of Research (DOD/USA)**
WOLAAR--1972-EF

**Walter Reed Army Medical Center (DOD/USA/WRAMC)**
DUNG--1972-1973-TE
FRENOR--1952-SI
FRENOR--1953-CO
WOOKEN--1958-1960-CA

**Washington State Prison (Walla Walla)**
PAUC--1963-1965-TH

**Washington University: School of Medicine**
FORGIL--1950-ES
SCOW--1951-OB

**Wilford Hall Medical Center**
COUELL--1973-TE
HARWIL--1973-US
SHICHA--1973-TE
YOUROB--1968-AN
YOUROB--1972-RO

**Winnipeg General Hospital: Rh Laboratory**
PEDLEO--1968-RA

**Wright-Patterson Air Force Base (DOD/USAF)**
DOWANT--1967-PU

**Wright Patterson Medical Center**
SOSSAM--1973-1976-CL
WEIPHI--1973-EV

**Location Unknown**
JUDPHI--1972-1973-A

## SPONSOR INDEX

**Advisory Committee on Biology and Medicine (AEC/ACBM)**
FREA--1950-SE

**Air Force (DOD/USAF)**
BYRV--1953-OP
ENDLAW--1968-ME
EPSMUR--1971-RE-01
FLEGIL--1954-1954-CH
GERHER--1951-1957-SY
HAMGEO--1961-FE
HUGHAR--1961-1963-EX
HUGHAR--Unknown-RE
MALHAR--1965-HU
MCNPET--1969-1970-LI
MILLOW--1957-RA
SEGVIN--1971-PA
SHAIRA--1963-ID
SOSSAM--1973-1976-CL
UNKNOWN--1951-1952-UN

**Air Force (DOD/USAF): Office of European Aerospace Research**
CAMM--1963-1966-TH

**Air Force (DOD/USAF): Office of Scientific Research**
SIRWIL--1961-1962-PR

**American Association for Cancer Research Society**
GREJ--1961-TH

**American Cancer Society (ACS)**
DANGIU--1972-1973-PR
MORR--1963-RA
RAWRUL--1948-EF
SILVS--1953-RA
SMICLE--1955-PE
WERHAR--1957-EV

**Argonne National Laboratory (DOE/ANL)**
KATELA--1954-AM

**Armed Forces Radiobiology Research Institute (DOD/DNA/AFRRI)**
STEVJ--1972-1973-BA
STEVJ--1973-CO

**Armed Forces Special Weapons Project (DOD/AFSWP)**
NICJ--1954-1961-PO

**Armstrong Laboratory**
SHAIRA--1963-ID

**Army (DOD/USA)**
BLARH--1959-SO
FRENOR--1952-SI
LOER--1953-CO
NICJ--1954-1961-PO
UNKNOWN--1953-RE

**Atomic Bomb Casualty Commission (ABCC)**
UNKNOWN--1955-ST

**Atomic Energy Commission (AEC)**
ANDGOU--1950-GA
ANDGOU--1952-IN
ANDGOU--1953-CL
ANDGOU--1957-TO
ANDGOU--1958-1966-WH
ANDGOU--1966-HE
ANDROB--1972-LO
BALE--1966-A
BARH--1956-1958-TO
BARW--1953-DI
BASSAM--1948-TH
BEAT--1965-DI
BELJUD--1953-ME
BENMA--1961-PE
BENMA--1965-1966-TH
BENMA--1967-SO
BENMA--1967-TH
BERJER--1963-1974-EF
BERNAT--Unknown-TH
BLARH--1959-SO
BLUHER--1949-HY
BLUHER--1955-TR
BLUHER--1960-LO
BORJ--Unknown-TH
BOWKAR--1949-TH
BRIA--1969-AB
BRIA--1969-CR
BRIA--1969-EX
BRIA--1969-RA
BRIA--1969-RI
BRIA--1969-SI
BROFEL--1950-1954-ST
BROFEL--Unknown-EF
BRORL--1968-1970-TH
BRUH--1967-EP
BRUMAR--1949-1951-A
BUDTHO--1969-1970-VI
BUDTHO--1970-1971-VI
BUSROB--1952-1958-SY
BUSS--1974-1982-PI
CARJAM--1966-TH
CARROB--1950-HE
CASJ--1975-CL
CATWIL--1951-CI
CHADAV--1951-TH
CLADWI--1950-DI
CLADWI--1952-FI
COMC--1956-ME
COMC--1957-ST
COMC--1963-TH
COMF--1966-SP
CONROB--1959-AN
CONROB--1966-TH
CONROB--1971-IM
COPOLI--1950-1963-TH
CROEUG--1960-RA
DELCHE--1948-PE
DEMCHA--1969-EF
DOBBRO--1951-A
DOBERN--1953-TH
DOBR--1956-TH
DOWAND--1943-1947-BI
DURPAT--1972-PL
EDWC--1965-1966-TO
EDWR--1949-DE
EVAROB--1951-1970-RE
FARLEE--1953-NE
FINCLE--1952-1958-ER
FISH--Unknown-AN
FLIT--1963-EA
FORGIL--1950-ES
FORHAR--1953-TH
FREA--1950-SE
FREA--1951-TR
FRIHYM--1953-AN
GANFRA--1963-OB
GLAWAR--1955-RO
GOHK--1966-TH
GOLMOR--1959-AN
GOUGOR--1955-AB
GOUGOR--1955-TH
GRAEDG--1963-1966-US
GRIDON--1953-ME
GRIM--1954-TR
HAMJOS--1954-AC
HARPAU--1957-196?-US
HAWC--1963-1965-CO
HAYRAY--1963-UN
HELCAR--1963-1975 -EF
HELCAR--1963-1975-TH
HEMLOU--1951-TH
HODROB--1954-TH
HURJOH--1968-AB
HURJOH--Unknown-TH
KNIRAL--1963-ST
LAGC--1967-PL
LANLAW--1966-PH
LANWRI--1956-AD
LAVPAU--1952-US
LAWJ--1949-CO
LAWJ--1949-TH
LAWJ--1954-1959-CL
LAWJ--Unknown-IN
LENF--1956-AB
LERGEO--1961-1965-TH
LOWB--1948-CO
LUSC--1966-VA
LUSC--1969-RE
MALC--1965-IN
MALC--Unknown-ME
MARVIC--1964-1970-SU
MAZRIC--1972-1973-BO-03
MCNPET--1974-1975-RO
MCNPET--1974-1975-VI
MIDL--Unknown-RA
MILEAR--1944-1945-RE
MILEAR--1948-1949-TH
MILEAR--1950-ST-01
MILEAR--1950-ST-02
MILEAR--1950-ST-03
MOOG--1951-CL
MORR--1963-RA
MURROB--1959-LE
NELW--1969-1973-TO
NICMAR--1947-EF
NITHAR--1951-A
NURCAR--1952-TR
OTTD--1971-IN
PALH--1963-1964-DE
PALH--1967-TH
PASFLO--1959-CA
PAUC--1963-1965-TH
PAUC--1963-1970-EF
PERANN--Unknown-DE
PINERN--1950-TH
PINERN--1952-LU
RALJ--1953-DO
RAWRUL--1948-1956-RA
REIARN--1964-1974-TU

REIF--1952-DE
REIWIL--Unknown-TH
RICHC--1959-ME
RICHC--1962-CO
RICHC--1962-RA
RICHC--1965-GR
RICHC--1966-MO
RICROB--1964-1975-ST
RICROB--1970-CH
ROBJ--1963-TI
ROOSAM--1950s-DI
ROWROB--1959-TH
SCOK--1951-TH
SCOW--1951-OB
SEIS--1954-BL
SILE--1943-1947-ST
SIRWIL--1961-1962-PR
SMICLE--1955-PE
SNYW--1950-A
SORJOS--1950-TH
SPAIRV--1972-TH
STACLI--1953-1956-MU
STACLI--1955-ST
STACLI--1956-DI
STACLI--1957-ST
STEKIN--1951-CO
STOROB--1958-PA
SWEW--1953-1957-TH
SWIK--1967-FA
TOBCOR--1961-HI
TOBCOR--1968-1969-HU
TOBCOR--1969-1970-RA
TOBCOR--1971-1972-BI
TOBCOR--Unknown-BI
TYOMAL--1952-A
ULTJ--1969-1977-PA
UNKNOWN--1946-1949-TH
UNKNOWN--1948-1957-DE
UNKNOWN--1953-UP
VANM--1960-IS
VANM--1963-TH
WAIWIL--1951-EN
WERHAR--1957-EV
ZUNWAY--1974-SH

**Boettcher Foundation**
NITHAR--1951-A

**Brookhaven National Laboratory (DOE/BNL)**
GRIDON--1953-ME

**Bureau of Medicine and Surgery (DOD/USN/BUMED)**
FOSR--1972-TH
FOSR--1973-CH
ROP--1974-KE
STRGT--1972-TU

**Charles Hard Foundation N. H.**
CATWIL--1951-CI

**Children's Research Foundation**
FORGIL--1950-ES
PERANN--Unknown-DE

**Clinical Research Center**
HOLNOR--1981-1987-SU

**Committee on Growth (NAS/NRC)**
SMICLE--1955-PE

**Commonwealth Fund of New York**
GRIDON--1953-ME

**Commonwealth of Virginia**
DANGIU--1972-1973-PR

**Defense Atomic Support Agency (DOD/DASA)**
BASREE--1969-EF
SANEUG--1961-1972-RA
WOLAAR--1972-EF

**Department of Defense (DOD)**
DUDH--1956-ST
FRENOR--1953-CO
GOLMOR--1959-AN

**Department of Energy (DOE)**
BEIWIL--1969-RA
BUSS--1974-1982-PI
FABJAC--1981-HE
ROWROB--1974-PL

**Department of the Interior (DOI)**
JOHPHI--1969-1970-BL

**Division of Biology and Medicine (AEC/DBM)**
LUSC--1967-CL
ZUNWAY--1974-SH

**Dominion Provincial Grant (Canada)**
BALW--1961-RE

**Eastern Corporation: Oncology Group**
BARS--1973-TH

**Eli Lilly and Company**
BALW--1942-RA

**Energy Research and Development Administration (ERDA)**
BEIWIL--1969-RA
BUSS--1974-1982-PI
LEWTHO--1972-1977-TO
ROWROB--1974-PL

**E. J. Cairo Fund for Research in Heart Disease**
BURGEO--1948-1951-TH

**General Electric Co.: Biology Laboratory**
JOHPHI--1969-1970-BL

**Greater St. Louis Citizens' Committee for Nuclear Information**
REILOU--1958-1961-ST

**Harry S. Moss Heart Fund**
NIXJV--1976-1977-EA

**Harvard University**
SMICLE--1955-PE

**Henry Stevens Kiersted Memorial Fund**
LAWJ--1949-TH

**John Hartford Foundation**
BALW--1961-RE

**Leukemia Society**
GREJ--1961-TH

**Life Insurance Medical Research Fund**
BURGEO--1948-1951-TH

**Manhattan Engineer District (War/CE/MED)**
LOWB--1943-1946-HE
STOROB--1945-1947-PL

**Markle Foundation**
ANDROB--1972-LO
LAWJ--1949-TH

**Massachusetts Institute of Technology (MIT)**
BROFEL--Unknown-EF
SMICLE--1955-PE

**Mead Johnson and Co.**
GRIDON--1953-ME

**Morris Piersol Teaching and Research Scholarship**
BIGS--1976-SP

**Moss Heart Foundation**
MURROB--1977-1978-ST

**National Aeronautics and Space Administration (NASA)**
ANDGOU--1958-1966-WH
BAIF--1987-1989-EF
BAIJ--1973-RA
BAIJ--1975-1976-IN
BEAVAN--1970-1971-DI
BENMA--1965-1966-TH
BENMA--1967-TH
BOHBYR--1967-1969-PR
BRENEI--1985-1987-RE
BRORL--1968-1970-TH
BUDTHO--1969-1970-VI
BUDTHO--1970-1971-VI
BUNMIC--1980-1982-DI
CAMJOH--1972-1973-SK
CHAPK--1970-1971-OB
DANGIU--1972-1973-PR
DONCHA--1967-1968-TH
DONCHA--1970-EF
FISCRA--1965-1966-RE
FORS--1981-1982-PL
FULJAM--1967-1969-RE
GAFFA--1983-1984-CA
GOLD--1977-1979-CO
GOLHOW--1972-1973-ME
GOOP--1969-CH
GREJE--1983-1984-PL
HANDAV--1972-AT
HANEW--1969-1970-BI
HANJAM--1972-1973-AN
HANJAM--1972-1973-PR
HOFGW--1968-1973-AP
HOFRUD--1975-1976-VI
HOLNOR--1981-1987-SU
HYAKEN--1969-1970-HE
HYAKEN--1975-1976-RE
JACLES--1972-1973-EV
JOHPHI--1969-1970-BL
JOHPHI--1970-1971-PA
JOHPHI--1971-1972-BO
JOHPHI--1971-1972-VA
JOHPHI--1974-1976-RE
JOHPHI--1975-1977-BL
JUDPHI--1972-1973-A
JUDPHI--1972-1973-PH
KANWIL--1972-1973-DI
KANWIL--1972-1973-TH
KIMSTE--1973-1974-CH
KIMSTE--1975-1977-HE
LACJEF--1982-1983-MU
LEACAR--1965-1966-BI
LEACAR--1969-1973-EN
LEACAR--1970-1971-EF
LEACAR--1971-AD
LEACAR--1973-1974-BI
LEACAR--1981-1986-CH
LEACAR--1983-IN
LEACAR--1992-EX
LEWTHO--1972-1977-TO
LOCLIL--1972-1973-CY
MACPAU--1964-1965-BO
MACPAU--1969-1970-BO
MACPAU--1971-1972-ST
MADMAR--1972-1973-AN
MAZRIC--1968-1982-SK
MAZRIC--1972-1973-BO-01
MAZRIC--1972-1973-BO-02
MAZRIC--1972-1973-BO-03
MAZRIC--1972-1973-BO-04
MAZRIC--1972-1973-BO-05
MAZRIC--1972-1973-PR
MAZRIC--1975-1976-TO
MAZRIC--1979-1980-PH
MAZRIC--1979-1980-TO
MAZRIC--1981-1982-ME
MAZRIC--1982-1983-TO-01
MAZRIC--1982-1983-TO-02
MCNPET--1969-1970-LI
MCNPET--1974-1975-RO
MCNPET--1974-1975-VI
MICDAV--1976-1978-RA
MOOMAR--1976-1977-CI
MUEMAR--1972-1973-CO
MURROB--1977-1978-ST
NICARN--1972-1973-CH
NICARN--1974-1975-AS
PACNEL--1974-IN
PELNOR--1972-1973-BO
PINLS--1972-1973-LI
RAMPAU--1970-1971-CO
RICROB--1964-1975-ST
SCHVIC--1973-1974-TH
SELROB--1980-1981-CO
SELROB--1984-1985-A
SIRWIL--1961-1962-PR
SMIEVE--1972-1973-TH
SMIMAL--1973-1975-NU
SPECOL--1972-1973-UN
STETP--1984-1985-ME
STUCHA--1986-1987-BE
STUCHA--1988-1989-EF
TOBCOR--1968-1969-HU
TOBCOR--1969-1970-RA
TOBCOR--1971-1972-BI
VOGFRE--1963-EF
VOGFRE--1964-PL
VOGFRE--1965-1966-EF-01
VOGFRE--1965-1966-EF-02
VOGFRE--1965-TI
VOGFRE--1966-TI
VOGJOH--Unknown-SU
VOSGEO--1967-1968-X-
WATRON--1972-1973-BO
WITROB--1972-1973-DE
WITROB--1972-1973-DU
WITROB--1972-1973-I1
WITROB--1975-1976-PH
WOLWIL--1975-1976-SO
YOUDR--1965-1966-GL
ZAGP--1977-1978-AD

**National Aeronautics and Space Administration (NASA): General Center for Clinical Research**
NIXJV--1976-1977-EA

**National Aeronautics and Space Administration (NASA): Radiation Center**
DANGIU--1972-1973-PR

**National Aerospace Agency**
HOLNOR--1981-1987-SU

**National Cancer Institute (PHS/NIH/NCI)**
BELJUD--1953-ME
BUDTHO--1969-1970-VI
BUSS--1974-1982-PI
FOSR--1973-CH
FUKDAV--1953-TH
MOOG--1951-CL
PETN--1952-TH
RALJ--1953-DO
SEIS--1954-BL

**National Center for Radiological Health (PHS/NCRH)**
MEYMAR--1968-IN
MEYMAR--1968-SE

## *Sources and Documentation*

**National Heart Institute (PHS/NIH/NHI)**
MAC--1963-ES

**National Heart Lung and Blood Institute (PHS/NIH/NHLBI)**
SELROB--1980-1981-CO

**National Heart Lung and Blood Institute (PHS/NIH/NHLBI): Young Investigator Award**
GAFFA--1983-1984-CA

**National Institute for Arthritis and Metabolic Diseases (PHS/NIH/NIAMD)**
RALJ--1966-EL

**National Institutes of Health (NIH)**
BLOART--1963-IN
BRENEI--1985-1987-RE
BROFEL--1950-1954-ST
CONROB--1971-IM
DEMCHA--1969-EF
GRAMAR--1953-TH
HOLNOR--1981-1987-SU
LEWTHO--1972-1977-TO
MALL--1974-TO
MAZRIC--1979-1980-PH
MAZRIC--1982-1983-TO-01
MAZRIC--1982-1983-TO-02
MEYMAR--1968-IN
MEYMAR--1968-SE
MOOMAR--1976-1977-CI
MURROB--1977-1978-ST
NELEAR--1954-RA
NIXJV--1976-1977-EA
PEAW--1953-ES
PLEALB--1953-DE
SELROB--1984-1985-A
SILVS--1953-RA
SMICLE--1955-PE
STRGT--1972-TU
STUCHA--1986-1987-BE
STUCHA--1988-1989-EF
WERSID--1951-TH
WILLAW--1952-DE
ZAGP--1977-1978-AD
ZUNWAY--1974-SH

**National Institutes of Health (NIH): General Clinical Research Center**
STUCHA--1986-1987-BE
STUCHA--1988-1989-EF

**National Institutes of Health (NIH): Ischemic SOCR**
GAFFA--1983-1984-CA

**National Naval Medical Center (DOD/USN/NNMC)**
MALL--1974-TO

**National Science Foundation (NSF)**
DANGIU--1972-1973-PR
SIRWIL--1961-1962-PR

**Naval Hospital (Boston Massachusetts)**
BRAUE--1972-GA

**Naval Hospital (Philadelphia Pennsylvania)**
SILS--1972-CL

**Naval Medical Research Institute (DOD/USN/NMRI)**
LYOHAR--1964-LO
MULW--1950-ST
MULW--1950-ST-02
SMIROB--1944-ME
SMIROB--1944-ME-01

**Naval Medical Research Unit #3 (DOD/USN/NMRU-3)**
BASS--1973-RA
MCCRON--1972-AC
NOF--1972-CH
YOUS--1971-UR

**Naval Radiological Defense Laboratory (DOD/USN/NRDL)**
BLARH--1959-SO
VAUB--1965-CH

**Navy (DOD/USN)**
BARS--1973-TH
BIRMIC--Unknown-EF
BLUHER--1941-TR
BRAUE--1972-CL
BRAUE--1972-GA
COOWIL--1956-LA
DOBERN--1953-TH
FLEW--1961-PH
FREA--1950-SE
GREJ--1961-TH
HURJOH--1956-TH
JOHPHI--1969-1970-BL
KINE--1957-TH
KINE--1961-US
KOVP--1972-NI
LAPT--Unknown-CL
LOOW--1954-LA
LOOW--1956-RA
LOOW--1960-LA
MITTHO--1957-TH
MULROB--Unknown-DE
MULROB--Unknown-TR
MULW--1950-ST-03
MUNJ--1951-TH
NORPAG--1946-RA
PACNEL--1946-US
SCHALA--1968-SU
SMIROB--1945-1946-BI
SODJ--1962-TO
SODJ--1972-WH
SPER--1957-SE
SPER--1958-CI
STOCLI--1957-BL
STRGT--1972-TU
THOJ--Unknown-EV
WALA--Unknown-CO
WALM--1954-1955-BO
WEIC--1972-RA

**Navy (DOD/USN): New London Submarine Base**
HAIHEN--1946-AE

**Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA)**
UNKNOWN--1951-1952-UN

**Nutrition Foundation Inc.**
DARWIL--1945-TH
HAHP--1942-1951-IR

**Oak Ridge Associated Universities (ORAU)**
ANDGOU--1956-1971-CL

**Oak Ridge Institute for Nuclear Studies (ORINS)**
ANDGOU--1953-EA
ANDGOU--1954-PA

**Office of Naval Research (DOD/USN/ONR)**
BLUHER--1941-TR
CATWIL--1951-CI
FREA--1950-SE
RAWRUL--1948-EF
SMICLE--1955-PE

**Ortho Research Foundation**
NELEAR--1954-RA

**Playtex Park Research Institute**
FORGIL--1953-ES
GRIDON--1953-ME

**Public Health Service (PHS)**
ANDROB--1972-LO
BIGS--1976-SP
BROFEL--1957-CA
BROFEL--Unknown-AB
BRUDAN--1965-CE
CAHDAN--1967-TH
CANS--1966-PE
GAFGEO--1964-EN
HEMLOU--1967-NE
HYAKEN--1975-1976-RE
JACLES--1972-1973-EV
JOHPHI--1971-1972-VA
LEACAR--1970-1971-EF
PEDLEO--1968-RA
RALJ--1953-DO
SCHVIC--1973-1974-TH
SPECOL--1972-1973-UN
STETP--1984-1985-ME
WITROB--1975-1976-PH
WOLWIL--1975-1976-SO
ZUNWAY--1974-SH

**Quaker Oats Company**
BROFEL--1950-1954-ST
BROFEL--Unknown-AB
BROFEL--Unknown-EF

**Rockefeller Foundation: International Health Division**
DARWIL--1945-TH
HAHP--1942-1951-IR

**School of Aviation Medicine (DOD/USAF/SAM)**
CAVC--1969-1970-TH
YOUROB--1969-I-

**Sound Laboratory: Medical Research Department**
HAIHEN--1946-AE

**St. Louis University: School of Dentistry**
REILOU--1958-1961-ST

**Tennessee: State Department of Health**
HAHP--1942-1951-IR

**Union Carbide Corporation**
FISH--Unknown-AN

**University of California - Berkeley (UCB)**
BERNAT--Unknown-TH

**University of California - San Diego (UCSD)**
HURSHE--1973-IN

**University of Minnesota**
KELVIN--1950-LA

**University of Rochester**
HURJOH--Unknown-TH

**Unknown**
ABBJ--1973-NE
ABDH--1972-EF
ABEP--1949-CY
ABTA--1958-DE
ABTA--1959-AU
ABTA--1959-DE
ABTA--1959-MU
ABTA--1959-ST
ABTA--1959-WO
ABTA--1960-AM
ABTA--1960-AU
ABTA--1960-CA
ABTA--1960-CH-01
ABTA--1960-CH-02
ABTA--1960-RE
ABTA--1960-RO
ABTA--1960-WO
ABTA--1961-AM
ABTA--1961-CA
ABTA--1961-DE
ABTA--1961-RE
ABTA--1961-RO
ABTA--1961-TI
ABTA--1962-DE
ABTA--1962-RO
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YALR--1967-RA
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YOKH--1965-EF
YOKH--1966-EF
YOUG--1960-ST

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BERS--1952-TH
BERS--1953-TH
BERS--1953-TR
BERS--1954-QU
GOOW--1951-A
SORJOS--1950-TH

**Washington University: School of Dentistry**
REILOU--1958-1961-ST

**Wisconsin Alumni Research Founation**
GOREDG--1950-TR

# APPENDIX E

## DOCUMENTS CITED IN THE ACHRE FINAL REPORT AND OTHER SEPARATELY DESCRIBED MATERIALS FROM THE ACHRE DOCUMENT COLLECTION, WITH SUBJECT INDEX

This appendix presents a listing of documents cited in the Advisory Committee's final report and other materials from the ACHRE document collection. The first sections provide a list of depositing organizations and a sample record. The bulk of the appendix consists of the document descriptions. A final section provides a subject index to those descriptions., beginning at page E-162. The ACHRE Document Collection database was closed at 5:00 p.m. on Tuesday, July 25, 1995. Materials added to the collection after that time are not included in this listing.

*Appendix E*

## DEPOSITING ORGANIZATIONS AND INSTITUTIONS

The following are the sources (see chapter 4 for further information) of the documents from the ACHRE Collection that were separately described and the *source codes*, or acronyms, used to designate them.

| | |
|---|---|
| Advisory Committee On Human Radiation Experiments | ACHRE |
| Baylor University | BAY |
| Central Intelligence Agency | CIA |
| Congress | CON |
| Corporation | CORP |
| Department of Defense | DOD |
| Department of Energy | DOE |
| Department of Health and Human Services | HHS |
| Department of Veterans Affairs | VA |
| Harvard University | HAR |
| Individual | IND |
| National Archives and Records Administration | NARA |
| Smithsonian Institution | SMITH |
| State of Washington | WASH |
| Texas A&M University | TEX |
| University of California-Los Angeles | UCLA |
| University of Cincinnati | UCIN |
| University of Michigan | UM |
| Univeristy of Utah | UTAH |
| Virginia Commonwealth University | VCU |

## SAMPLE RECORD

**DOE-051094-A-447** Experiment Records; 7 documents, 76 pages. Source: Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 16). Date: 09/16/68; 01/02/90 From: ORAU / ORNL Committee on Human Studies. To: N/A. Re: ORAU Protocols and Related Documents Inactive Proposals. Contents: 1. Application For the Use of Humans As Experimental Subjects, 9/9/69 2. Review and Action ORAU / ORNL Committee On Human Studies3. Regaridng Whole-Body Radiation Doses, Memo: From Roger J. Cloutier To: F. Coswitz, 9/16/68 4. Application For the Use of Humans As Experimenmental Subjects, 12/19/72 5. Protocol On Therapeutic Transplantation of Human Bone Marrow6. Patient Treatments At Variable Dose Rate Irradiation Facility, 1/2/90 7. Therapeutic Allogenic Transplantation of Human Bone Marrow, Memo From: Gould Andrews to: Committee On Human Studies.

| | |
|---|---|
| **DOE-051094-A-447** | Document number; the first three elements designate the accession (see Appendix B), the last element the document number, which were assigned consecutively in the order in which they were described |
| Experiment Records | General document category; used for review purposes |

## *Sources and Documentation*

| | |
|---|---|
| 7 documents, 76 pages | Physical description; document description records were created for both single documents and sets of documents |
| Source | Provenance |
| Date | Date(s) of the documents being described |
| From / To | Correspondents, if known; authorship is designated using the From field. |
| Re: | Title of the document, that is, the subject, if a memorandum, the title, if a monograph, etc. |
| Contents | Description of the documents; usually appears only with multiple documents |

## DOCUMENT DESCRIPTIONS

**ACHRE-112294-A-1** Reports; 1 document, 70 pages. *Source:* Advisory Committee On Human Radiation Experiments. *Date:* 06/01/94 *From:* N/A. *To:* N/A. *Re:* A Brief History of the T Plant Facility at the Hanford Site.

**ACHRE-021095-B-1** Reports; 2 documents, 120 pages. *Source:* Advisory Committee On Human Radiation Experiments. *Date:* 09/15/94 *From:* N/A. *To:* N/A. *Re:* Interview, Eugene Saenger. Two interviews conducted by ACHRE staff with Saenger

**ACHRE-021095-B-2** Reports; 10 documents, 9 pages. *Source:* Advisory Committee On Human Radiation Experiments. *Date:* 10/20/94 *From:* Eugene Saenger. *To:* N/A. *Re:* How Can the Quality and Length of Life of a Cancer Patient Be Determined?. Essay written by Saenger

**ACHRE-041495-B-1** Reports; 1 document. *Source:* Advisory Committee On Human Radiation Experiments. *Date:* 05/04/88 *From:* W. Hanson and C. O'Neill. *To:* N/A. *Re:* Project Chariot. *Contents:* Hanson describes his career in radioecology, particularly in the Alaskan radioecology studies. These began with a baseline environmental study carried out before the proposed before Project Chariot, which would have dug a harbor in Alaska using nuclear explosives but was never carried out. This led to detailed understanding of the environmental fate in lichen, caribou, and the native people who ate caribou. Does not refer to intentional release studies.

**DOE-050195-B-1** Meetings. *Source:* Argonne/CHR (Austin Brued Subseries: 267, Radium Correspondence, Hisotrical. *Date:* 01/22/51 *From:* Program Committee on the Division of Biologiucal and MEdical Research, Argonne National Laboratory. *To:* N/A. *Re:* No title. excerpts of Program Committee minutes

**BAY-101794-A-1** Reports. *Source:* Baylor University. *Date:* 01/01/54 *From:* Vincent P. Collins, M.D., R. Kenneth Loeffler, M.D.,. *To:* N/A. *Re:* A Study of the Effects of Total and Partial Body Radiation on Iron Metabolism and Hematopoieses. annual report of activities, progress, etc. of 1953 at Baylor

**BAY-101794-A-2** Reports. *Source:* Baylor University. *Date:* 01/31/64 *From:* Vincent P. Collins. *To:* N/A. *Re:* The Effect of Total Body Irradiation on Immunologic Tolerance of Bone Marrow and Homografts of Other Living Tissue. Final report fro Baylor on effects of TBI on tissue and marrow

**BAY-101794-A-3** Reports. *Source:* Baylor University. *Date:* 01/31/62 *From:* Vincent P. Collins. *To:* Lt. Col. Max M. Nold, USAF (VC). *Re:* The Effect of Total Body Irradiation on Immunologic Tolerance of Bone Marrow and Homografts of Other Living Tissue. report of period 1 Feb 1961 - 31 Jan 1962

**CIA-020795-A-1** Correspondence; 26 documents, 60 pages.; Experiment Records; 26 documents, 60 pages. *Source:* Central Intelligence Agency (Army: no provenance information given). *Date:* 12/31/54 *From:* N/A. *To:* N/A. *Re:* Neuropsychiatry and Stress/LSD and LAE studies. *Contents:* This accession includes correspondence among several researchers on the effects of LSD and LAE ranging from 1950-1955. Also included is a small amount of contract information - funding from the Army for the LSD experiments.

**CON-042894-A-1** Reports; 1 document, 1 page. *Source:* Congress. *Date:* 01/01/94 *From:* N/A. *To:* N/A. *Re:* List of Major Sources for GAO report 94-51FS.

**CON-042894-A-2** Reports; 1 document, 16 pages. *Source:* Senate Committee on Governmental Affairs. *Date:* 12/01/89 *From:* Majority Staff, Senate Committee on Governmental Affairs. *To:* N/A. *Re:* Early Health Problems of the U.S. Nuclear Weapons Industry and Their Implications for Today. *Contents:* This report describes the history of environmental releases and the resulting health risks from nuclear production at Hanford. Atmospheric releases

include the Green Run, operational releases of I-131, and releases of "hot particles" of rutheneum. It notes that contamination on vegetation resulting from the Green Run was 4 microcuries/kg, which was 20 times the "tolerance level" set at the time.

**CON-042894-A-3** Reports; 1 document, 3 pages. *Source:* Congress. *Date:* 10/25/48 *From:* H. M. Parker. *To:* N/A. *Re:* Action Taken With Respect to Apparent Enhanced Active Particle Hazard. *Contents:* Discusses risks and safety and protection measures for inhalation of radioactive particles from the Hanford stacks.

**CON-050594-A-1** Reports; 1 document, 36 pages. *Source:* Congress. *Date:* 11/01/86 *From:* Subcommittee on Energy Conservation and Power. *To:* N/A. *Re:* American Nuclear Guinea Pigs: Three Decades of Radiation Experiments on U.S. Citizens. Markey report

**CON-030795-A-1** Reports; 1 document, 58 pages. *Source:* Congress. *Date:* 07/19/48 *From:* Samuel Bassett. *To:* N/A. *Re:* The Excretion of Hexavalent Uranium Following Intravenous Administration II. Studies on Human Subjects. *Contents:* Final report of Rochester/MED uranium injection experiment. Coauthors: Samuel Bassett, Albert Frankel, Helen VanAlstine, Christine Waterhouse and Katherine Cusson

**CON-030795-A-2** Reports; 1 document. *Source:* Congress. *Date:* 01/01/50 *From:* Robert M. Fink. *To:* N/A. *Re:* Biological Studies with Polonium, Radium, and Plutonium. *Contents:* Final report (1950) on human experiments with polonium performed at University of Rochester under the direction of the MED. Coauthors: H. E. Silberstein, W. N. Valentine, W. L. Minto, J.S. Lawrence, R. M. Fink, and A. T. Gorham

**CON-042894-A-4** Reports; 1 document, 19 pages. *Source:* Senate Committee on Governmental Affairs. *Date:* 11/01/93 *From:* United States General Accounting Office. *To:* Chairman, Committee on Governmental Affairs, U.S. Senate. *Re:* Nuclear Health and Safety: Examples of Post World War II Radiation Releases at U.S. Nuclear Sites. *Contents:* This report describes the Green Run, eight radiation warfare tests at Oak Ridge and Dugway, and four atmospheric radiation sampling tests at Los Alamos.

**CORP-051894-A-1** Correspondence; 1 document, 8 pages.; Meetings. *Source:* Corporation (Oak Ridge: RHTG 23,899, 19940000118 DOE-OR. *Date:* 05/23/48 *From:* N/A. *To:* N/A. *Re:* Minutes of the 1st Meeting of an Ad Hoc Panel on RW. *Contents:* The first meeting of the Noyes Panel began with terms of reference from the AEC and the MLC (Appendix A, included). It continued with several presentations surveying current knowledge of possible weapons effects, the corresponding military requirements, and the capabilities for producing radiological warfare agents. The meeting concluded that "[t]here should be an active RW program," and outlined a plan of work. Most of the details are included in Appendices B through J, which are not included.

**CORP-051894-A-2** Correspondence; 2 documents, 18 pages.; Reports. *Source:* Corporation. *Date:* 10/30/43 *From:* K. D. Nichols. *To:* Brig. Gen. L. R. Groves. *Re:* Use of Radioactive Materials as a Military Weapon. *Contents:* This letter recommends formation of a joint program between the Chemical Warfare Service and the Chicago Engineer Area to conduct RW field tests and develop offensive and defensive RW contingency plans, including the operational capability for monitoring radioactivity. Attached to the letter is a 3-page summary of a report by a subcommittee of the S-1 Executive Committee (James B. Conant, chair; A. H. Compton; H. C. Urey), analyzing the use of RW either to contaminate territory or as a poison gas and possible uses by Germany or the United States. It recommends a defensive monitoring program and outlines a possible offensive weapons development program. The full report, dated 9/4/43, is also included.

**CORP-051894-A-3** Correspondence; 2 documents, 3 pages. *Source:* Corporation. *Date:* 11/15/43 *From:* Vannevar Bush. *To:* Leslie R. Groves. *Re:* The potential German RW threat. *Contents:* Bush believes that the German RW threat is limited and agrees that activity on RW should be deferred, except for warning and monitoring activities. A second letter, Groves to Lt. Col. H. M. O'Connor, British Combined Chiefs of Staff, 11/10/43, forwards a report on RW and notes that "we are not approving the recommendations of the committee at this time."

**CORP-010395-A-1** Correspondence; 2 documents, 5 pages.; Reports. *Source:* Corporation (NARA RG374: Series 18, [Test Safety Correspondence]. *Date:* 08/04/49 *From:* Joseph B. Hamilton. *To:* Dr. C. B. Marquand. *Re:* August 2, 1949 meeting of RW Test Safety Panel. *Contents:* Hamilton's letter notes the Test Safety Panel's provisional agreement to the Chemical Corps' planned test program. Two or the four proposed program elements could only be carried out if earlier tests indicated that they were safe. Hamilton also notes the concerns of Dr. Olpin, President of the University of Utah and a member of the Panel: "While the hazards to health for both man and animals can be considered relatively slight, the adverse effects of having public attention drawn to such a situation would be most deleterious to the program. In particular, Doctor Olpin brought up the interesting point that most of Utah is being very carefully combed by a large number of prospectors armed with Geiger counters. Needless to say, it is imperative that such individuals be denied the opportunity to survey any region containing a perceptible amount of radioactivity arising from the various radioactive munitions that are to be employed." Also included is a 8/5/49 report by C. B. Marquand and S. C. Hardwick, Preliminary Report of the Test Safety Panel Meeting at Dugway Proving Ground -- 2 August 1949. This memo notes that "In view of the statements made by Dr. Hamilton, on 6 July 1949, concerning the

materials which the Chemical Corps might use for its tests, this conference was highly successful and quite gratifying to the special projects personnel involved. For a time following the 6 July pronouncement by Dr. Hamilton, it was felt that the Chemical Corps program for the development of munitions, was in jeopardy if not completely blocked. It appeared as if all of the time, effort, and money previously expended would be lost, and that the much needed RW program must be completely abandoned."

**CORP-010395-A-2** Reports; 1 document, 6 pages. *Source:* Corporation. *Date:* 11/20/50 *From:* Noyes, Albert . *To:* N/A. *Re:* RW Program Status Report. *Contents:* Report at Sixth Meeting of AEC-NME Panel on Radiological Warfare

**CORP-010395-A-3** Correspondence; 1 document, 1 page. *Source:* Corporation. *Date:* 05/25/48 *From:* James Conant(?). *To:* Vannevar Bush. *Re:* RW Dispersal Concerns. *Contents:* Letter

**CORP-010395-A-4** Correspondence; 1 document, 5 pages. *Source:* Corporation. *Date:* 06/06/51 *From:* Scoville, Jr. H. *To:* The Chairman, Research and Development Board. *Re:* Selection of the Most Promising RW Agent. *Contents:* Memo

**CORP-010395-A-5** Correspondence; 1 document, 7 pages. *Source:* Corporation. *Date:* 12/31/52 *From:* AFSWP. *To:* Chief, Chemical Officer, Department of the Army. *Re:* Re-evaluation of Research and Development Program on Offensive Radiological Warfare. *Contents:* Memo

**CORP-010395-A-6** Reports; 1 document, 6 pages. *Source:* Corporation. *Date:* 02/04/52 *From:* N/A. *To:* N/A. *Re:* Background information on RW. *Contents:* Lecture notes

**CORP-010995-A-1** Correspondence; 2 documents, 3 pages. *Source:* Corporation. *Date:* 12/22/94 *From:* Lester Peters. *To:* Steve Klaidman, ACHRE staff. *Re:* Informed consent at MD Anderson. follow-up letter and redacted consent form

**CORP-013095-A-1** Correspondence; 1 document, 3 pages. *Source:* Corporation. *Date:* 04/10/63 *From:* John F. Philip. *To:* Ray C. Emens. *Re:* Radioactive Waste Mound at Project Chariot Site. *Contents:* The memo cites earlier documents (attached to the original, but not with this copy) about the cleanup of the "hydrologic experiment at the Chariot site using radioactive tracers." AnAEC site review concluded "no problems involving health or safety existed during the experiment or presently exist," but that there were instances of technical noncompliance with 10 CFR 20. A particular concern was the radioactive waste mound, in which the covered waste was not encased in steel drums before burial. The memo concludes that the site can be abandoned safely.

**CORP-013095-A-2** 1 document, 18 pages. *Source:* Corporation. *Date:* 07/19/76 *From:* Mavis Rowley, Carl Heller. *To:* N/A. *Re:* Deposition Upon Oral Examination of Mavis Rowley and Carl Heller. Deposition in case Donald Thema v. State of Oregon, et. al.

**DOD-042994-A-1** Correspondence.; Experiment Records.; Financial Records.; Reports. *Source:* Department of Defense. *Date:* 05/20/74 *From:* Saenger Collection. *To:* N/A. *Re:* Reports On Metabolic Changes In Humans Following Total Body Irradiation. *Contents:* Reports On Metabolic Changes In Humans Following Total Body Irradiation, Reporting Periods: 2/60 - 10/61, 11/1/61 - 4/30/63, 5/1/63 - 2/29/94, 2/60 - 4/30/66, 5/1/66 - 4/30/67, Radiation Effects In Man: Manifestations & Therapeutic Efforts Report Periods: 5/1/64 - 4/30/68, 5/1/68 - 4/30/69, 5/1/69 - 4/30/70, 10/1/71, 4/1/71 - 3/31/72, Study of the Effects of Total & Partial Radiation On Iron Metabolism & Hematopoiesis, 9/1/55 - 1/31/56

**DOD-042994-A-2** Correspondence.; Experiment Records.; Financial Records.; Meetings.; Publications.; Reports. *Source:* Department of Defense. *Date:* 01/03/72 *From:* Robert McConnell. *To:* Honorable Mike Gravel. *Re:* Report of the Dean's Ad Hoc Committee ( the Suskind Committee). *Contents:* - Letter From Robert McConnell To Honorable Mike Gravel, Response To Request Of Whole Body Radiation Therapy Project, 1/3/72 - Report On the Whole Body Radiation Study At the University of Cincinnati, 1/72 - Memo From Dr. Clifford G. Grulee, Jr. Regarding Total Body Radiation Study, 11/13/71 - Memo From Raymond Suskind, Regarding Follow-up on Discussion, 12/2/71 - Memo From Raymond Suskind, Regarding Response To Dean Grulee's Letter of 5/27/67 - Letter From B. Friedman To E. Saenger, Regarding Whole or Partial Body Radiation, 12/15/71 - Letter From E. Saenger To Charles Barrett, Regarding Review of 12/13/71 Letter From Senator Kennedy To Dr. Warren Bennis- Comments On Differences Between Therapeutic & Non-Therapeutic Investigation, 12/20/71 - Letter From Harry Horwitz To E. Saenger, Responding To Inquiry Of Advisability of Patients Or Their Families - Immediate Release, University of Cincinnati Medical Center- Letter From E. Kennedy To Dr. Warren Bennis, Acknowledgment of 12/15/ & 12/22 Letters - Letter From Raymond Suskind To Clifford G. Grulee, Regarding Total Body Radiation Study, 1/14/72 - Report Titled "Is It Necessary To Inform Patients of the Source of Financial Support For Project", 1/18/72 - Letter From Clifford Grulee Jr., Transmittal Letter of Report of the Ad Hoc Review Committee - Letter From E. Gall To Warren Bennis, Review of Report From the Blue Ribbon Committee, 1/26/72 - Statement By Dr. Warren Bennis (Press Release)- Letter From E. Saenger To Dr. Gall, Regarding Concerns About Recommendation On Which Type of Funds Should Be Utilized, 2/2/72- Memo From Dr. Clifford Grulee, Regarding Total Body Irradiation Project Review, 2/10/72 - Letter From Clifford Grulee To Raymond Suskind, Regarding Delay Discharging Ad Hoc Committee, 2/10/72 - Letter From Warren Bennis To Senator Edward Gall, Transmittal Letter of Report of the Ad Hoc Review Committee On Total

Body Radiation Study, 2/14/72 - Letter From Warren Bennis To Senator Edward Kennedy, Response To Letter of 2/3, 2/17/72 - Letter From Edward Gall To Honorable Edward Kennedy, Response To Letter of 2/3, 2/17/72 - Letter From Edward Gall To Lt. Colonel Bernard Amiet, Acknowledgment of Request, 3/1/72 - Immediate Release From University of Cincinnati (Press Release) 4/21/72 Appendices For report On Whole Body Radiation Study of the Ad Hoc Review Committee - Press Releases

**DOD-042994-A-3** Publications; 1 document, 9 pages. *Source:* Department of Defense. *Date:* 06/01/92 *From:* Maurice A. Robkin. *To:* N/A. *Re:* Experimental Release of 131I: The Green Run. *Contents:* This paper reanalyzes data from the Green Run and uses the measured releas of Xe-133 to estimate the total release of I-131 as 8,000-14,000 curies of I-131.

**DOD-042994-A-4** Reports; 1 document, 4 pages. *Source:* Department of Defense. *Date:* 03/01/92 *From:* Technical Steering Panel. *To:* N/A. *Re:* The Green Run. *Contents:* A summary of the events of the Green Run

**DOD-042994-A-5** Correspondence; 6 documents, 17 pages. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 05/26/72 *From:* N/A. *To:* N/A. *Re:* Report of Conference With Mr. Robert Murphy of General Accounting Office (GAO). *Contents:* (1)Memo: NWER No. 03.009, *To:* Director of Defense Atomic Support Agency, *From:* Ralph C. Burslick, Eugene Saenger, 5/17/65. (2)Letter: Regarding Documents On Whole - Body Irradiation Program, *To:* Chairman, *From:* Comptroller General, 5/26/72.(3)Memo: Revised Protocol - "The Therapeutic Effect of Total Body Irradiation Followed by Infusion of Autologous or Isologous Marrow In Humans.", 2/26/71 (4)Letter: Q & A Regarding Consent, *To:* Robert Murphy, *From:* Eugene Saenger, 2/10/72 (5)Letter: Regarding Whole Body Radiation, *To:* Robert Murphy, *From:* Euegene Saenger, 2/25/72

**DOD-042994-A-6** Reports; 4 documents, 16 pages. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 02/10/72; 01/25/72 *From:* N/A. *To:* N/A. *Re:* A Critique of "A Report To the Campus Community" - Statement Of Three Members Of the Junior Faculty Association. *Contents:* Report To the Campus Community, 1/25/72 2 Press Releases

**DOD-042994-A-7** Reports; 15 documents, 49 pages. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 02/04/72 *From:* Mike Gravel. *To:* Robert W. McConnell. *Re:* ACR Report / Gravel Kennedy. *Contents:* (1) Letter *Re:* Questions Regarding Dr. Saenger's Radiation Experiments at the University of Cincinnati, *To:* Robert McConnel, *From:* Mike Gravel, 2/4/72 (2) Letter *Re:* Response to 2/4/72 Letter, *To:* Mike Gravel, *From:* Robert McConnell, 3/7/72. 3) Letter *Re:* Inquiry Into Whole - Body Radiation Therapy, *To:* Mike Gravel, *From:* Robert McConnell, 1/3/72 4) Letter *Re:* Interview With Dr. Silberstein & Mr. Motter & Dr. Caper Representing Senator Kennedy, 12/6/71. 5) Letter *Re:* Committee to Evaluate Problems of Whole Body Radiation Study, 12/7/71. 6) Letter *Re:* Communications With Patients & With Parents of Children, *To:* Warren Bennis, *From:* Edward Kennedy, 1/11/72(7) Science & Government Report, Radiology Group Defends Cincinnati Project (8) Letter *Re:* Reply to Letter of 1./11/72, *To:* Edward Kennedy, *From:* Edward Gall, 1/19/72 9) WCKY 1530 Editorial, *Re:* The UC Whole Body Radiation Program, 1/27/72 (10) Letter *Re:* Response to Letter of 2/3/72, *To:* Edward Kennedy, *From:* Edward Gall, 2/17/72 11) Letter *Re:* Information About Autologous Bone Marrow, *To:* Michael Carsiotis, *From:* Otha Linton, 2/22/72 12) Article: Drug Research Reports, *Re:* Cinci. Medical Faculty Criticizes Design of Whole - Body Radiation Study; Finds "No Evidence" That It Shortened Lives, May Have Extended Some, Vol.15 No. 9 13) Newspaper article: Hypocrisy, 1/25/72 (14) Draft Letter *Re:* National Enquirer Article, *To:* Mike Gravel, 12/19/72 (15) National Enquirer Article: Pentagon Subsidizes Use of Terminal Cancer Patients in Deadly Radiation Experiments, 9/24/72.

**DOD-042994-A-8** Reports; 4 documents, 16 pages. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 02/10/72 *From:* N/A. *To:* N/A. *Re:* JFA Report / A Critique Of "A Report To the Campus Community" - Statement Of Three Members Of the Junior Faculty Association. *Contents:* (2) JFA Statement Not Authorizing Report, 1/25/72 (3) News Article From University of Cincinnati News Record: Jr. Faculty OK's JFA Radiation Study, 2/8/72. 4) News Article From Cincinnati Enquirer: UC Faculty Group Would End Whole Body Radiation Program, 1/26/72.

**DOD-042994-A-9** Correspondence; 1 document, 3 pages. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 11/17/50 *From:* Myron Prinzmetal. *To:* Ronald E. Scantlebury. *Re:* Pre - 1960 Correspondence / Opposition To Application H-925.

**DOD-042994-A-10** Reports; 30 documents, 76 pages. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 10/12/71; 02/10/72 *From:* N/A. *To:* N/A. *Re:* 1971 - 1972: Press Conferences and Miscellaneous Documents From Case / Information For Tax Levy Speakers Concerning University of Cincinnati College of Medicine Radiation Studies Under Defense Department Contract. *Contents:* (2) Press Conference Held at Cincinnati General Hospital 10/11/71 (3) Summary of Events, Whole Body Therapeutic Radiation Study University of Cincinnati (4) Areas Not Covered By TBI Paper (5) Letter *Re:* Picture Story About University of Cincinnati School Of Medicine With Whole - Body Radiation, *From:* Jesse J. Seigel. (6) Letter *Re:* Request For Patient Release Forms, *To:* Lew Moores, *From:* Eugene Saenger, 10/11/71 (7) Statement Delivered By Dr. Edward A. Gall - Vice President of the University of

Cincinnati & Director of the Medical Center, 10/11/71. (8) Letter *Re:* Delay Of Further Features On Whole - Body Radiation, *To:* Joyce Endejann, *From:* Edward Gall, 10/25/71(9) Letter *Re:* Patient Interviews By Investigatory Committee, *To:* Edward Gall, *From:* Joseph Ross, 2/10/72 (10) Letter *Re:* Transmittal Letter, *To:* Edward Gall, *From:* Joseph Ross, 2/10/72 (11) Letter *Re:* Statement On Whole and Partial Body Radiation, *To:* Edward Gall, *From:* B. J. Kennedy, 2/14/72. (12) Letter *Re:* Transmittal Letter, *To:* Warren Bennis, *From:* Edward Gall, 2/17/72 (13) Statement Regarding Total Body Radiation (14) Memo *Re:* Delivery of Research Grant Proposal Copies, *To:* Eugene L. Saenger, *From:* Edward Silberstein, 9/12/72.(15) Statement Regarding Total Body Radiation On Cancer Patients(16) Fact Sheet (17) Whole Body Radiation Program Historical Sequence(18) Transmittal Letter *To:* Eugene Saenger, *From:* Edward A. Gall, 5/1/72 (19) 11 News articles (20) Letter *Re:* Information Concerning Response to Dean Grulee's Letter, 12/4/71 (21) Letter *Re:* Cincinnati Post Article, *To:* Edward Gall, *From:* Eugene Saenger, 7/5/72 (22) Letter *Re:* Total Body Radiation, *To:* Eugene Saenger, *From:* Otto D. Sahler, 11/22/71.

**DOD-042994-A-11** Correspondence; 55 documents. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 04/18/69; 04/13/67 *From:* University of Cincinnati. *To:* N/A. *Re:* Faculty Committee On Research Correspondence, 1966 - 1975 / Therapeutic Effect of Total Body Irradiation Followed by Infusion of Autologous Marrow in Humans History. *Contents:* (2) Memo: Review of our Faculty Committee on Research, *To:* Members of Faculty Committee on Research, *From:* Chairman, 4/18/69 (3) Memo: Approval of Protocol, *To:* E. A. Gall, *From:* Harvey Knowles, 4/27/66 (4) 27 Correspondence Letters Regarding Therapuetic Effect of Total Body Irradiation Followed by Infusion of Stored Autologous Marrow in Humans, 5/6/66 - 4/4/72 (5) Memo: Application of Dr. Ben I. Firedman and Dr. Eugene L. Saenger, *To:* Edward Gall, *From:* Edward Radford, 4/29/67(6) Total Body Radiation and Bone Marrow Transplantation in Cancer Treatment, Investigator: Edward Silberstein(7) Revised Protocol On The Therapuetic Effect of Total Body Irradiation Followed by Infusion of Autologous or Isologous Marrow in Humans, 1/19/71 (8) An Evaluation of the Therapeutic Effectiveness of Total - Body Irradiation In Humans (9) Therapuetic Effect of Total Body Irradiation Followed by Infusion of Stored Autologous Marrow in Humans (10) Letter: Proposal For Faculty Committee On Research, *To:* Clifford Grulee, From Ben Friedman, 3/7/67 (11) Letter: Revision of Therapuetic Effect of Total Body Irradiation Followed by Infusion of Stored Autologous Marrow in Humans, 4/13/67 (12) Comments On Differences Between Therapeutic and Non-Therapuetic Investigation, 12/20/71 (13) Appendix III, Investigations Involving Humans Subjects Statement of Priniciples, 1967 (14) Memo: Protection of Humans With Stored Autologous Marrow, *To:* Clinical Research Committee, *From:* Ben Friedman & Eugene Saenger. (15) Memo: Protocol entitled, The Therapuetic Effect of Total Body Irradiation Followed By Infusion of Stored Autologus Marrow in Humans, *To:* Reviewers, *From:* Edward Silberstein, 10/2/73. (16) Composition of the University of Cincinnati Medical Center Faculty Committee on Research (17) Memo: Progress Reports Concerning Total Body Irradiation, 6/25/75. (18) Composition Of the University of Cincinnati Medical Center Faculty Committee on Research, 7/71. (19) Letter: Request For Approval of Research Project Entitled "Prolonged Chemotherapy in Aronchogenic Carcinoma, 8/24/66.(20) Letter: Recommendations of Faculty Committee On Research, *To:* Edward Silberstein, *From:* Evelyn Hess, 3/26/71(21) Memo: Review With Proposal, *To:* Clark West, From Evelyn Hess, 3/9/71 (22) Meeting on Dr. Silberstein's Proposal -- Total Body Irradiation, 2/16/71 (23) Memo: Total Body Irradiation Project, *To:* Edward Silberstein, *From:* Evelyn Hess, 11/19/71 (24) Faculty Research Committee (25) Memo: Evaluation of the Therapeutic Effectiveness of Wide-Field Radiotherapy as Compared to Chemotherapy in Humans With Carcinoma of the Lung or Colon, 8/28/72 (26) Memo: Protocol On the Evaluation of the Therapuetic Effectiveness of Wide Field Radiotherapy as Compare dto Chemotherapy in Humans with Carcinoma of the Lung or Colon, 5/22/72 (27) Memo *Re:* Phase III Study of Cancers Of Lung and Colon, 4/14/72 (28) Abstract: Evaluation of the Therapuetic Effectiveness of Wide - Field Radiotherapy As Compared to Chemotherapy In Humans With Carcinoma Of the Lung or Colon.

**DOD-042994-A-12** 23 documents. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 12/04/74; 05/08/75 *From:* N/A. *To:* N/A. *Re:* Post - 1974 Articles and Correspondence / Gregory Shuff vs. Eugene L. Saenger and John Does 1-11. *Contents:* (2) Statement regarding Washington Post Article About Whole Body Radiation, 12/4/74 (3) Letter *Re:* Human Radiation, *From:* Lloyd B. Wilford, *To:* Department of Health, Education and Welfare, 11/7/74(4) Article From Atlanta Journal: HEW Takes Aim at Human Testing(5) Letter *Re:* Atlanta Journal, *To:* Senator Sam Nunn, *From:* D. Chalkey, 12/9/74 (6) Letter Response to Lloyd B. Wilford's Letter, *From:* D. T. Chalkey, 12/13/74 (7) Letter *To:* Edward Silberstein, *From:* Edward Gall, 1/28/75 (8) Handwritten Letter to Dr. Gall, *From:* Edward Silberstein, 1/29 (9) Letter *Re:* Total Body Irradiation, *To:* University of Cincinnati, *From:* Edward Silberstein, 5/8/75 (10) Letter *Re:* Transmittal of Reprints, *To:* Eugene Saenger, *From:* G. Hoyt Whipple, 5/12/75 (11) Transmittal Letter, *To:* Edward Silberstein, Eugene L. Saenger, *From:* Warren Benn, 5/14/75 (12) Letter *Re:* Article "Ethics On Trial: Medical Congressional and Journalistic.", *To:* Edward Silberstein, *From:* B. J. Kennedy (13) Letter *Re:* Ethics On Trial, *To:* Eugene Saenger, *From:* William Beierwaltes, 5/19/75 (14) Letter *Re:* Ethics On Trial, *To:* Edward Silberstein Eugene Saenger, *From:* Robert McConnel, 5/20/75 (15) Letter *Re:* Review of Manuscript, *To:*

Edward Silberstein, *From:* Otha Linton, 5/27/75 (16) Memo To the File: Phone Call to Dr. Silberstein from Dr. Richard Vilter, 6/11/75 (17) Letter *Re:* Article, *To:* Edward Silberstein, *From:* William Crosby, , 6/17/75 (18) Letter *Re:* Article, *To:* Warren Bennis, *From:* Eugene Saenger, 7/5/75 (19) Letter *Re:* Whole Body Radiation, *To:* Stanley Troup, *From:* Edward B. Silberstein, 3/29/91 (20) Letter *Re:* Request For Blue Ribbon Report, *To:* Raymond Suskind, *From:* Joseph Steger, 2/17/94 (21) Printout *Re:* Hill Request for Univ. of Cincinnati Contracts, 3/1/94 (22) Letter *Re:* Whole Body Radiation Study Review, *To:* Prof. Bradford H. Gray, *From:* Raymond Suskind, 11/15/74

DOD-042994-A-13 Publications. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 12/20/71; 12/18/70 *From:* N/A. *To:* N/A. *Re:* Consent Forms and Human Research Standards / Investigations Involving Human Subjects Statement of Principles, 1967. *Contents:* (2) Journal Article: Whole Body and Partial Body Radiotherapy of Advanced Cancer, By: Eugene Saenger, Edward Silberstein, Bernard Aron, Harry Horwitz, James G. Kereiakes, Gustave Bahr, Harold Perry, Ben I. Friedman (3) Voluntary Consent Statement (4) Protection of the Individual As A Research Subject(5) Appendix IV Booklet "Protection of the Individual As A Research Subject", Grants, Awards Contracts (6) Personal Memo "Questions of Ethics Pertaining to Federal Funding and Control of University." (7) Historical Review of the Total Body Irradiation Project and the Faculty Research Committee Reviews, 12/20/71(8) Voluntary Consent Statement (9) Consent For Special Study and Treatment (10) Transmittal Letter For Consent Forms, 12/18/70(11) Metabolic Changes In Humans Following Total Body Irradiation: Aims & Scopes (12) Ethics On Trial: Medical, Congressional and Journalistic(13) Article: Deoxycytidine in Urine of Humans After Whole-Body Irradiation, Abstract. 10/18/63 (14) Article: Endoreduplication In Leucocyte Chromosomes, Preliminary Report (15) Article: Effects of Total And Partial Therapeutic Irradiation In Man, 3/13/67 (16) Article: Symptomatic and Haematological Disturbance Following Total Body Radiation Of 300-RAD Gamma-Ray Irradiation(17) Attachment B: Colorimetric Analyses of Deoxycytidine In Urine After Separation By Ion Exchange Column Chromatography(18) Article: Radiation-Induced Urinary Excretion of Deoxycytidine by Rats and Humans, 8/68 (19) Article: Total and Half Body Irradiation, 11/69(20) Article: Radical Radiation Therapy and Total Body Irradiation In the Treatment of Ewing's Sarcoma, 8/16/68(21) Article: Ewing's Sarcoma, A Trial of Adjuvant Total - Body Irradiation (22) Article: Deoxycytidine Studies In X-Irradiated Rats(23) Bone Marrow Dose in A 60 Co Irradiated Tissue - Equivalent Human Phantom Using Lithium Fluoride Dosimetry. (24) US Army Medical Research Laboratory, Specific Proteins in Serum of Total Body Irradiated Humans, 3/4/66 (25) Article: Active Bone Marrow Dose Related to Hemotological Changes in Whole Body and Partial Body 60 Co Gamma Radiation Exposures, 6/72 (26) Article: Active Bone Marrow Dose Related to Hemotological Changes in Whole Body and Partial Body 60 Co Gamma Radiation Exposures, Abstract (27) Article: Cytologic - Biochemical Radiation Dosimeters In Man, Abstract (28) Progress Report: Whole and Partial Body Radiation Therapy For Palliation of Cancer Patients Carried Out At the University of Cincinnati College of Medicine and General Hospital, 12/3/71, One Page Flagged For Privacy Act Info. (29) Statement In Regard To Whole and Partial Body Radiation Therapy For Palliation of Cancer Patients Carried Out at the University Of Cincinnati College of Medicine and General Hospital. (30) Effects of Whole and Partial Body Therapeutic Irradiation In Man (31) Reprint *From:* Biochemical Indicators of Radiation Injury In Man. Title: Cytologic Biochemical Radiation Dosemeters In Man(32) Radiation Accidents: Outline of Recommendations For Care of Patients (33) A Simple Plan For Diagnosis and Therapy of the Acute Radiation Syndrome (34) The Effects of Filtration on Stored Human Bone Marrow(35) Effects of Whole and Half Body Irradiation In Human Beings With Cancer (36) Article: Whole Body and Partial Body Radiotherapy of Advanced Cancer, 3/3/73 (37) Brief Statement of Psychological - Cognitive Functioning Objectives (38) Article: Colormetric Analysis of Deoxycytidine In Urine After Separation By Ion-Exchange Column Chromatography, 5/2/68

**DOD-042994-A-14** Publications; 73 documents. *Source:* Department of Defense (University of Cincinnati: Box 1). *Date:* 01/11/73; 02/09/72 *From:* Lawrence Elish. *To:* N/A. *Re:* Secondary Sources - Non Saenger / Legal Rights Of Human Subjects In the University of Cincinnati Whole-Body Radiation Study. *Contents:* (2) Article: Energy Absorption II, Part 1 - Integral Dose When the Whole Body Is Irradiated (3) Political and Ethical Investigation of Human Research: A Case Study, Saenger, Silberstein (4) Congressional Record Senate, 8/1/72 (5) Article: Bone Marrow Response to Acute Radiation Injury In RFM/U Mice After Whole and Partial - Body Exposure to X-Rays, 5/1/68 (6) Measurement of the Dose Absorbed In Various Organs As A Function Of the External Gamma Ray Exposure, A. R. Jones, Abstract (7) Article: Race For Human Cancer Virus: Odds Against Houston Team Lengthen, 9/24/71 (8) Article: Radiation, Cancer, and Environmental Health, 1970(9) Article: Estimation of Deoxycytidine In the Urine of Humans and Laboratory Animals, 12/10/66 (10) Article: Effects On the Embryo and Fetus, 1973(11) Article: Radiation Sensitivity of Human Bone Marrow Cells Measured by a Cell Culture Method, 1/1/70 (12) Radiation Carcinogenesis At Low Doses (13) Congressional Record - Senate, 8/1/72 (14) Earth Materials For Low - Background Radiation Shielding, 4/62 (15) Primary Lab Co - Efficient Brochure (16) Article: Deoxycytidine and Radiation Response: Exceedingly High Deoxycytidine Aminohydrolase Activity In Human Liver, 1/10/69 (17) Deoxycytidine Levels In Urine of X- Irradiated Rats, 5/19/64(18) Deoxycytidine In Urine of Humans After Local

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**DOD-042994-A-15** Meetings; 1 document, 18 pages. *Source:* Department of Defense. *Date:* 05/23/50 *From:* RDB, Cmte on Medical Sciences. *To:* N/A. *Re:* Proceedings, transcript, 5/23/50 mtg. Missing several pages. Transcript picks up with discussion of NEPA recommendations, incl. issue of human experimentation, voluntariness, issues of long term effects.

**DOD-042994-A-16** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 10/22/58 *From:* John Isherwood. *To:* Asst Chief, Biophys and Aeronautics Branch, Army R&D Cmnd. *Re:* TBI recommendation of approval. Response memoranda re TBI application for research (page has both application cover memo and response)

**DOD-042994-A-17** Meetings; 1 document, 7 pages. *Source:* Department of Defense. *Date:* 07/08/49 *From:* Exec Panel of NEPA. *To:* N/A. *Re:* Proceedings of Exec Panel Meeting (partial). Part of transcript of Exec Panel Meeting, section included deals with human experimentation and the use of prisoners and psychological aspects of exposure of pilots to radiation

**DOD-042994-A-18** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 11/07/58 *From:* James Hartgering. *To:* A.D. Sullivan Army R&D Cmnd. *Re:* Application for Research Contract. Memo re Saenger's proposal on TBI and amino acid measurement

**DOD-042994-A-19** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 11/12/58 *From:* Arthur Sullivan. *To:* Col. Hullinghorst. *Re:* Application for Research Contract, "Metabolic Changes..". Memo recommending support for Saenger's study

**DOD-042994-A-20** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 10/29/59 *From:* David Lambert. *To:* Dir. of Logistics. *Re:* Negotiation of Contract. memo approving funding of Saenger's program and recommends coordination with program in New York.

**DOD-042994-A-21** Correspondence; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 04/18/69 *From:* UC Faculty Cmte Chair. *To:* Faculty Cmte on Research. *Re:* NIH Review of Faculty Committee on Research. Memo regarding outcome of visit of NIH reviewers

**DOD-042994-A-22** Reports; 4 documents, 5 pages. *Source:* Department of Defense. *Date:* 01/01/65 *From:* University of Cincinnati. *To:* N/A. *Re:* Consent forms 1965-71. Two 1965 forms, 1967 form, 1971 form

**DOD-060794-A-1** Reports; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 05/01/56 *From:* JJ Nickson. *To:* N/A. *Re:* Post Irradiation Syndrome in Humans. Title and abstract page from 1955-56 annual report at Sloan Kettering

**DOD-061094-A-1** Reports; 1 document. *Source:* Department of Defense. *Date:* 07/21/75 *From:* N/A. *To:* N/A. *Re:* Inspector General Department of the Army Report.

**DOD-062194-A-1** Correspondence; 1 document. *Source:* Department of Defense. *Date:* 10/22/53 *From:* Stephen Jackson. *To:* Chairman Casberg. *Re:* Approval From Ms. Rosenberg.

**DOD-062194-A-2** Experiment Records. *Source:* Department of Defense. *Date:* 02/02/94 *From:* Col. James [sic] Pickering. *To:* N/A. *Re:* Radiation Research. *Contents:* The interview comes with a brief summary, which this comment expands on. This comment also makes some inferences and corrections of institutional names based on Pickering's statements. On the TBI studies at the M.D. Anderson Cancer Research Institute, Pickering states that 1. He's positive there was a consent form, and that Dr. John Talbot of SAM would have been involved. 2. The study was for cancer therapy, with low doses (5, 10, and 15 rad increments), but SAM was interested in protecting aircrews in nuclear-powered aircraft. 3. The patients were probably charity cases, and may have been illiterate. He also mentions specific people who were involved, including Drs. Shields Warren, Lee Clark, Gilbert Fletcher, John Dillon, Paul Fields, and Brian Payne. On nuclear testing, Pickering described a flash blindness study at operation Buster-Jangle (he was not sure if it might have been Upshot-Knothole or Tumbler-Snapper), in which observers stood in a trailer at the time of the blast. Apparently, he was a subject himself, and he recalls signing a consent form. He also described two accidental exposures at nuclear tests, not part of research studies. Rabbits were also used. SAM also prepared monkeys to fly in T-33 drones through atomic clouds to measure the inhalation and ingestion risks. He said these would be in reports with the prefix WT for weapons test (e.g., WT-222). The procedure for doing research at bomb tests was that groups made proposals, which were reviewed by the AEC via AFSWP and the Military Liaison Committee. Accepted proposals were then funded by the AEC or AFSWP, with only incidental costs to SAM. To leave the test site (especially in the Pacific) researchers had to prepare a preliminary report, with a final report prepared later. He thought preliminary and final reports would have been retained, and referred to Dr. Vic Burns re the flash blindness studies. On aerospace medicine, SAM did not have acceleration sleds and centrifuges until the mid-1960s. There were some balloon studies with cosmic ray dosimetry. The research council reviewed all experiments, but not for human subject considerations, and he believes the records of this council were destroyed. In the mid 1960s (after Pickering went to NASA) a human use committee was formed. The interviewers (Majors Mitchell and Liu) asked about the Charter 13 intentional releases, and Pickering had no relevant knowledge. Pickering described a Tower Shield Facility (TSF) at Oak Ridge, in which a reactor would be lifted from its cooling pond (briefly) to provide a combined gamma and neutron exposure (1950-52?). On the subject of Dugway, he did not recognize the RW tests, but referred to some CW/BW tests involving Roland Mitchell and John Fulton at SAM, and mentioned air sampling activities using filters in the Lake Michigan area, to measure background radioactivity levels (?). On the subject of the Los Alamos releases, Pickering referred to Dr. Payne Lewis. Pickering also referred to records of radiation accidents, particularly for the accident victim Al Graves, who survived roughly 600 rads but suffered severe cataracts. His copy of the Annals of Internal Medicine on these accident studies (by Hempelman) should be in the museum. Pickering offered the view that Shields Warren, Newell Stannard, and Wright Langham were "saints," and had received much undeserved criticism for research that advanced human knowledge. Knowledge has a cost, he argued. Finally, Pickering talked about the selection of subjects. SAM did not use prisoners or people in mental institutions, but did use their own cadets and troops in training at the San Antonio boot camp.

**DOD-062194-A-3** Reports; 1 document, 5 pages. *Source:* Department of Defense. *Date:* 03/01/58 *From:* JJ Nickson. *To:* N/A. *Re:* Quarterly Report--Study ofPost Irradiation Syndrome in Humans. partial report includes abstract, distribution list, and case summary

**DOD-062194-A-4** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 02/05/53 *From:* Goerge V. Underwood. *To:* Mr. Kyes. *Re:* Use of human volunteers in Experimental Research.

**DOD-062194-B-1** Reports; 1 document, 5 pages. *Source:* Department of Defense. *Date:* 02/15/66 *From:* Dr. A.M. Ermans and M. Camus, Dept of Medicine and Laboratory of Experimental Medicine, University of Brussels, Belgium. *To:*

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N/A. *Re:* Research Concerning the Influence of Acute Exposure to Cold on the Thyroid Function. *Contents:* experiment involves radioiodine

**DOD-062194-B-2** Experiment Records; 1 document, 13 pages.; Reports. *Source:* Department of Defense. *Date:* 09/30/63 *From:* Donald W. Rennie, M.D., Associate Professor of Physiology. *To:* N/A. *Re:* Human Cold Acclimatization.

**DOD-062194-B-3** Experiment Records; 1 document, 5 pages. *Source:* Department of Defense. *Date:* 10/19/50 *From:* Lando Haddock, 1st Lieutenant, USAF. *To:* Commanding General, Air Materiel Command, Wright-Patterson Air Force Base - Dayton, OH. *Re:* Negotiation of Cost Reimbursement Contract. *Contents:* project description and finances

**DOD-062194-B-4** Reports; 2 documents, 4 pages. *Source:* Department of Defense. *Date:* 04/03/50; 12/22/50 *From:* John Talbot, Lt. Col., USAF (MC), Dept of Biophysics. *To:* Commandant, USAF School of Aviation Medicine, Randolph Air Force Base, Randolph Field, TX. *Re:* Trip Report re - NEPA Project and reserach at M.D. Anderson Cancer Clinic, Houston, TX.

**DOD-062194-B-5** Financial Records; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 01/01/54 *From:* N/A. *To:* N/A. *Re:* funding request for research contract between School of Aviation Medicine and M.D. Anderson Hospital on NEPA Project.

**DOD-062194-B-6** Experiment Records; 1 document, 6 pages.; Financial Record. *Source:* Department of Defense. *Date:* *From:* Dr. Lee Clark, Dr. Roy C. Heflebower and Dr. Glibert Fletcher. *To:* N/A. *Re:* University of Texas, M.D. Anderson Hospital for Cancer Research - Proposal: "A Study of Intellectual, Perceptual, Pschomotor and Biomedical Status of Patients following Exposures to Moderate Quantities of Ionizing Radiations". *Contents:* Outline for proposal of research project to investigate the effects of moderate quantities of ionizing radiation upon human mental and psychomotor abilities of interest to the U.S. Air Force.

**DOD-062194-B-7** Publications; 1 document, 16 pages. *Source:* Department of Defense. *Date:* 05/01/59 *From:* Baldwin G. Lamson, M.D. Marta S. Billings, M.D. Leslie R. Bennett, M.D. *To:* N/A. *Re:* Late Effects of Total-Body Roentgen Irradiation - Longevity and Incidence of Nephrosclerosis as Influenced by Partial-Body Shielding. *Contents:* experiment report/publication

**DOD-062194-B-8** Reports; 1 document, 1 page. *Source:* Department of Defense. *Date:* 12/08/50 *From:* John Talbot, Lt., Col., USAF. *To:* Commandant, USAF School of Aviation Medicine, Randolph Air Force Base, TX. *Re:* Trip Report (to Radiological Society of North America).

**DOD-062194-B-9** Reports; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 11/30/51 *From:* John E. Pickering, Major, USAF, Actg. Head, Dept of Radiobiology. *To:* Commandant, USAF School of Aviation Medicine, Randolph Air Force Base, Randolph, TX. *Re:* Trip Report (to USAF Radiation Laboratory, University of Chicago, Chicago, IL).

**DOD-062194-B-10** Reports; 1 document, 7 pages. *Source:* Department of Defense (DOD -062194-B: 1 box in accession). *Date:* 06/12/56 *From:* Seymour Schwartz, Major, USAF (MSC), Research Secretary; Henry M. Sweeney, Colonel, USAF, Director of Medical Research (both at School of Aviation Medicine). *To:* Commandant, School of Aviation Medicine. *Re:* Trip Report (to University of Chicago, Chicago, IL).

**DOD-062194-B-11** Financial Records; 1 document, 3 pages. *Source:* Department of Defense (DOD -062194-B: 1 box in accession). *Date:* 07/18/57 *From:* Otis O. Benson, Jr., Major General, USAF (MC), Commandant. *To:* Commander, Air Research and Development Command, Detachment #1, Attn: Major Charles Barnes, Nuclear Effects Branch, Wright-Patterson Air Force Base, Dayton, OH. *Re:* Disbursement of Funds for Project 39.6 under 7-611-125A.

**DOD-062194-B-12** Experiment Records; 1 document, 2 pages. *Source:* Department of Defense (DOD-062194-B: 1 box in accession). *Date:* 08/20/56 *From:* N/A. *To:* N/A. *Re:* Supplemental Agreement/Cost Reimbursement USAF, Kelly Air Force Base, TX with Tulane University of Louisiana. *Contents:* contract No. AF 41(657)-2

**DOD-062194-B-13** Experiment Records; 1 document, 11 pages. *Source:* Department of Defense (DOD-062194-B: 1 box in accession). *Date:* 01/03/51 *From:* Seymour Schwartz, Captain, USAF. *To:* Commanding General, Air University, Maxwell Air Force Base, Alabama. *Re:* Negotiation of Cost Reimbursement Contract with the University of Texas, Austin.

**DOD-062194-B-14** Experiment Records.; Reports. *Source:* Department of Defense (DOD-062194-B: 1 box in accession). *Date:* 01/24/51 *From:* Harry G. Armstrong, Major General, USAF (MC), Surgeon General. *To:* Commandant, USAF School of Aviation Medicine, Randolph Air Force Base, TX. *Re:* Data Relative to External Radiation from Radioactive Material.

**DOD-062194-B-15** 1 document, 2 pages. *Source:* Department of Defense. *Date:* 10/19/50 *From:* Lando Haddock. *To:* Commanding General Air University. *Re:* Negotiation of Cost Reimbursement Contract.

**DOD-062194-C-1** Correspondence; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 03/06/43 *From:* Mc Intire, Ross T., The Chief of the Bureau of Medicine and Survery. *To:* The Officer-in-Charge, Naval Laboratory Research

Unit No. 1, University of California, Berkeley, California. *Re:* Proposed Clinical Evaluation of Influenza Antiserum, and Messages Concerning Influenza Virus Specimens.

**DOD-062494-A-1** Reports. *Source:* Department of Defense. *Date:* 05/19/52 *From:* George H. Milly. *To:* N/A. *Re:* Report of Field Test 619: Static Test of 4 Fall Diameter Sectional Munitions, E65 Type, Filled With radioactive Compressed Tantalum Dust Pellets.

**DOD-062494-A-2** Reports. *Source:* Department of Defense. *Date:* 04/26/55 *From:* Karl Eklund, P. E. Grant, S.S. Holland, R. L. Liboff. *To:* N/A. *Re:* Special REport: The Quality of Gamma Radiation From An Extende4d Source of Ta182.

**DOD-062494-A-3** Reports. *Source:* Department of Defense. *Date:* 01/11/56 *From:* Benjamin Witten, Bernard F. Fay. *To:* N/A. *Re:* RW Agents (C- RD).

**DOD-062494-A-4** Reports. *Source:* Department of Defense. *Date:* 04/10/52 *From:* George H. Milly, Louis Benjami. *To:* N/A. *Re:* Report of Field Test 293: Static Test of Four Shaped-Charge Sections of Radiological Bomb, E-59, Filled With Radioactive Tantalum Particles.

**DOD-062494-A-5** Reports. *Source:* Department of Defense. *Date:* 09/29/52 *From:* Scott D. thayer and Louis Benjamin. *To:* N/A. *Re:* Interim Report of Field Test 292, Static Tests of Experimental Radiological Dust Generators E 66 R2 and E66R3, Filled Radioactive Tantalum Chloride and Radioactive Agent RA.

**DOD-062494-A-6** Reports. *Source:* Department of Defense. *Date:* 04/07/52 *From:* Scott D. Thayer, Louis Benjamin. *To:* N/A. *Re:* Report Field Test 289: Airburst Test of Single Radiological Bomb, E65, Filled With Radioactive Tantalum Particles.

**DOD-062494-A-7** Reports. *Source:* Department of Defense. *Date:* 04/07/52 *From:* Scott D. Thayer. *To:* N/A. *Re:* Report of Field Test 290: Airburst Test of a Single 2000 2b. Radiological Bomb, E65, R2, Filled With Radioactive Tantalum Particles.

**DOD-062494-A-8** Reports. *Source:* Department of Defense. *Date:* 07/02/53 *From:* C. Glenvil Whitacre. *To:* N/A. *Re:* Report of Field Test DRG RW1-52 Static Test of Four Full Diameter Sectional Munitions, E-83 Type, Filled With Radioactive Compressed Tantalum Dust Pellets.

**DOD-062494-A-9** Reports. *Source:* Department of Defense. *Date:* 10/10/57 *From:* Scott D. Thayer. *To:* N/A. *Re:* Report of Field Test 620 Airburst test of 9 Spherical Radiological Munitions, E 178 R2 & E7843, Aerial Pellet Disseminators Filled With Radioactive Agent, Burstung at Varying Altitudes.

**DOD-062494-A-10** Reports. *Source:* Department of Defense. *Date:* 09/29/52 *From:* George H. Milly. *To:* Army Chemical center, MD. *Re:* Report of Field test 311-Test of the Effect of Various Types of Construction On the Intensity Field Produced by a Radioactive Tantalum Source.

**DOD-062494-A-11** Reports. *Source:* Department of Defense. *Date:* 06/03/53 *From:* Merrill Evans. *To:* N/A. *Re:* RW Decontamination & Land Reclamation Studies dugway Proving Ground.

**DOD-062494-A-12** Reports. *Source:* Department of Defense. *Date:* 09/01/52 *From:* George H. Milly. *To:* N/A. *Re:* Report Field Test 291: Gross Decontamination Studies on Radioactive Tantalum Dispersed by Single Rad. Bomb.

**DOD-062494-A-13** Reports. *Source:* Department of Defense. *Date:* 05/15/53 *From:* GW Binkley, DC durrill, E. Bampanga, M. Alder. *To:* N/A. *Re:* Dynamic Test of Spherical Radiological Munitions DPG RW2-52.

**DOD-062494-A-14** Reports. *Source:* Department of Defense. *Date:* 04/07/52 *From:* Scott D. Thayer. *To:* N/A. *Re:* Report of Field Tests 287 & 288.

**DOD-062494-A-15** Reports. *Source:* Department of Defense. *Date:* 09/18/53 *From:* E. Campagna, D. C. Durrill, M. Alder, G. Gastovich. *To:* N/A. *Re:* State Test of Full Diameter Sectional Munitions, E83.

**DOD-062494-A-16** Reports. *Source:* Department of Defense. *Date:* 06/27/52 *From:* George H. Milly. *To:* N/A. *Re:* Report of Field Tests 623 and 624 Airburst Test of 2, 1000 Lb. Radiological Bombs, E-83 Filled With Compressed Radioactive Tantalum Dust Pellets.

**DOD-062494-A-17** Reports. *Source:* Department of Defense. *Date:* 05/07/53 *From:* Alfred Owyang, D. C. Durrill, K. Campanga. *To:* N/A. *Re:* Static Test of Sectional Munitions RW 1-52 of 4 Segments of Full Diameter Sectional Munitions.

**DOD-062494-A-18** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 07/01/53 *From:* Chief, Bureau of Medicine & Surgery (O.D. Yarbrough). *To:* Chief, Bureau of Aeronautics. *Re:* Utilization of Radioactive Iron Powder Particles For Radiation Therapy of Cancer Tumors, Information Pertaining Thereto.

**DOD-062494-A-19** Reports; 1 document, 9 pages. *Source:* Department of Defense. *Date:* 12/01/54 *From:* N/A. *To:* N/A. *Re:* Informative Brochure for the Second Annual Symposium on Thermal Injury.

**DOD-062494-A-20** Reports; 1 document, 21 pages. *Source:* Department of Defense. *Date:* 05/01/54 *From:* John J. Morton, MD & Jack J. Lewis. *To:* N/A. *Re:* The Relationship between the American and Japanese Scientists During the Fukuryu Maru; No. 5 Incident.

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**DOD-062494-A-21** 1 document, 9 pages. *Source:* Department of Defense. *Date:* 12/01/71 *From:* R.L. Bernstine. *To:* N/A. *Re:* Use of Human Volunteers in Connection with C-I-C-C Study 2-48-202.

**DOD-062494-A-22** Correspondence; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 03/01/43 *From:* Chief Bureau of Medicine and Surgery. Ross McIntire. *To:* Officer in charge, North Labs Rev. unit Number 1, UC Berkeley. *Re:* Proposed Clinical Evaluation.

**DOD-062494-A-23** 1 document, 8 pages. *Source:* Department of Defense. *Date:* 11/01/80 *From:* J.V. Henderson. *To:* N/A. *Re:* Recommendations of the Committee for Protection of Human Subjects.

**DOD-062494-A-24** 1 document, 4 pages. *Source:* Department of Defense. *Date:* 10/01/79 *From:* N.I. Girgis. *To:* N/A. *Re:* Rapid Diagnosis and Treatment of Bacterial Meningitis.

**DOD-071194-A-1** Correspondence; 4 documents, 6 pages. *Source:* Department of Defense. *Date:* 10/03/49 *From:* William M. Creasy. *To:* Director of Logistics, U.S. Army General Staff. *Re:* Public Release on RW Tests at Dugway Proving Ground. *Contents:* Proposes press release on Dugway RW tests, citing risk of uranium prospectors entering Dugway and Joseph Hamilton proposal that press release focus on defensive RW efforts.

**DOD-071194-A-2** Correspondence; 2 documents, 3 pages. *Source:* Department of Defense. *Date:* 05/31/50 *From:* Robert LeBaron. *To:* Chairman, Committee on Atomic Energy. *Re:* Operational Evaluation of Radiological Warfare. *Contents:* This memo states that the Committee on Atomic Energy believes current plans and funding for RW testing are adequate to permit an evaluation of RW weapons by the Weapons Systems Evaluation Group in 1954, but the Joint AEC-DOD panel had not yet decided. This memo responds to memo William Webster, Chairman, RDB to Chairman, Committee on Atomic Energy, *Re:* Operational Evaluation of Radiological Warfare, 4/4/50. This memo refers to two earlier memos (neither of which is included): 1) Director, Weapons Systems Evaluation Group to Chairman, RDB, 3/20/50, *Re:* Operational Evaluation of Radiological Warfare, and2) Chairman, RDB to Chairman, Committee on Atomic Energy, 1/13/50, *Re:* JCS Guidance on Radiological Warfare."

**DOD-071194-A-3** Correspondence; 4 documents, 11 pages. *Source:* Department of Defense (NARA RG 330: Entry 341). *Date:* 01/24/47 *From:* C.C. Noble, Army Corps of Engineers. *To:* Military Liaison Comittee. *Re:* Military Application of Fission Products. *Contents:* Transmittal of Joseph Hamilton analysis of RW to MLC. This letter is also in the following document: .

**DOD-071194-A-4** Correspondence; 1 document, 3 pages. *Source:* Department of Defense (NARA RG 330: Entry 184, Boxes 1-9). *Date:* 05/11/49 *From:* Mr. Johnson (Secretary of Defense?). *To:* President Truman. *Re:* Radiological Warfare. *Contents:* This memo notes that the research program on offensive and defense aspects of RW has come to the point of field testing. It argues that premature publicity could create public "apprehension," "an adverse public reaction," or "unwarranted fears of the general public." It notes that a group of experts had been assembled "to review all radiological aspects of the tests before operations are initiated at the test site." There are two copies of this memo, the first with a cover note from William Webster, the second with the notation: "Mr. Johnson put the paper in his pocket, with the intention of communicating this verbally with the President."

**DOD-071194-A-5** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (NARA RG 330: Series 184, Boxes 1-9). *Date:* 05/02/49 *From:* Alden H. Waitt, Chief, Chemical Corps. *To:* Military Liaison Committee. *Re:* Panel to Investigate Safety of Civilian Populations from Tests of Radiological Warfare Agents. *Contents:* Panel members are Joseph Hamilton, G. Failla, Karl Morgan, Harry Wexler (Weather Bureau), and Albert Olpin (President, U Utah). The memo also notes a two-phase test series, beginning with "tracer amounts" and proceeding to larger quantities.

**DOD-071194-A-6** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (NARA RG 330: Series 184 Boxes 1-9). *Date:* 05/06/48 *From:* William C. Leahy. *To:* Research and Development Board. *Re:* Military Application of Radioactive Materials. *Contents:* Responding to the Rand report on RW, this memo recommends a) high priority RW R&D; b) joint AEC-DOD advisory panel on RW; and c) CIA effort on foreign RW capability.

**DOD-071194-A-7** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (NARA RG 330: Series 184 Boxes 1-9). *Date:* 06/27/50 *From:* Robert LeBaron. *To:* Director, Division of Military Application, AEC. *Re:* Radiological Warfare Study Group. *Contents:* This memo responds to the proposal in a letter of 5/26/50 to establish a study group, possibly with members of the Noyes Panel, to evaluate a) present RW technical status; b) feasibility of meeting WSEG requirements of 3/20/50; c) how to test feasibility; d) preferred uses of RW; and e) recommendations for a program leading to evaluation of RW program in 1954. General H.B. Loper is designated as liaison to this study group.

**DOD-071494-A-1** Reports; 1 document, 5 pages. *Source:* Department of Defense. *Date:* 12/31/58 *From:* NRDL. *To:* N/A. *Re:* History of the Naval Reseach Defense Laboratory. cover, contents and first page of history

**DOD-072294-B-1** Meetings; 2 documents, 8 pages. *Source:* Department of Defense (NARA RG 330, Entry 341: 265, Jt. Panel on Medical Aspects of Atomic Warfare, Agenda B&W. *Date:* 01/07/53 *From:* Joint Panel on Medical Aspects. *To:* N/A. *Re:* Agenda, 11th Meeting of Joint Panel. Members and Agenda

## *Appendix E*

**DOD-072294-B-2** Meetings; 2 documents, 20 pages. *Source:* Department of Defense. *Date:* 10/31/50 - 11/01/50 *From:* Committee on Medical Science and Committee on Atomic Energy. *To:* N/A. *Re:* Joint Panel on Medical Aspects of Atomic Warfare. Transcript of joint panel meeting held in October and November 1950

**DOD-072294-B-3** Meetings; 2 documents, 12 pages. *Source:* Department of Defense. *Date:* 01/25/51 *From:* Joint Panel on Medical Aspects of Atomic Warfare. *To:* N/A. *Re:* Transcript of meeting held on January 25-26 1951. Panel discussion on the medical aspects of atomic warfare

**DOD-072294-C-1** Reports; Reports; 12 pages. *Source:* Department of Defense (Air Surgeon General's Office; NARA: (1 Folder) USAF document 0012). *Date:* 12/01/50 *From:* Scientific Advisory Board to the Chief of Staff, USAF. *To:* N/A. *Re:* Report of the Ad Hoc Committee on Medical Research and Development in the United States Air Force. *Contents:* includes a Table of Contents, and organizational chart "Medical Research and Development - United States Air Force"

**DOD-072294-C-2** Correspondence; 2 documents, 2 pages. *Source:* Department of Defense (Air Surgeon General's Office; NARA: 1 Folder USAF document 0016). *Date:* 05/01/51 *From:* Correspondence between Col. A.P. Gagge USAF, Chief, Medical Research Division, and R.H.K. Foster, Dept. of Pharmacology, Saint Louis University School of Medicine. *To:* N/A. *Re:* funding request/response.

**DOD-072294-C-3** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (Air Surgeon General's Office; NARA: 1 Folder USAF document 0014). *Date:* 04/20/51 *From:* Col. A.P. Gagge - USAF, Chief, Medical Research Division, Office of the Surgeon General. *To:* Dr. Justus Schifferes, Director - Health Education Council. *Re:* letter to Justus Schifferes (Health Education Council) from Col. A.P. Gagge (USAF). *Contents:* total budget allotment for medical research in Fiscal Year 1951 was 4,669,000; 78% for projects under contract or research equipment designed and/or built by agencies outside the U.S. Air Force; 22% for Air Force Labs.

**DOD-072294-C-4** Correspondence; 2 documents, 4 pages. *Source:* Department of Defense (Air Surgeon General's Office; NARA: 1 Folder USAF document 0013). *Date:* 02/01/51; 03/01/51 *From:* Correspondence between Dr. Hans Popper, Scientific Director, the Hektoen Institute for Medical Research of the Cook County Hospital and Col. Earl Maxwell, Col., USAF, Acting Director of Professional Services, Office of the Surgeon General. *To:* N/A. *Re:* letter re - research projects emphasized at the Hektoen Institute that may relate to research needs of USAF. *Contents:* list of research projects underway at the Institute.

**DOD-072294-C-5** Correspondence; 2 documents, 2 pages. *Source:* Department of Defense (Air Surgeon General's Office; NARA: 1 Folder USAF document 0015). *Date:* 02/01/51; 03/01/51 *From:* Correspondence between Col. A.P. Gagge and Paul E. Rekers, M.D. of Institute for Medical Research, Cedars of Lebanon Hospital. *To:* N/A. *Re:* funding requests/response.

**DOD-072794-B-1** Financial Records; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 09/26/50 *From:* Seymour Schwartz, Captain, USAF. *To:* Commanding General, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, OH. *Re:* Negotaition of Cost Reimbursement Contract.

**DOD-072794-B-2** Reports; 1 document, 4 pages. *Source:* Department of Defense. *Date:* 08/19/52 *From:* Lt. Col. John E. Pickering, USAF School of Aviation Medicine, Randolph Air Force Base, Randolph Field, TX. *To:* Commandant, USAF School of Aviation Medicine. *Re:* Trip Report (to Los Alamos Scientific Laboratory, Los Alamos, NM). *Contents:* notes on first meeting of Joint Panel on Medical Aspects of Atomic Energy

**DOD-072794-B-3** Financial Records; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 04/28/51 *From:* Seymour Schwartz, Captain, USAF. *To:* Commanding General, Air University, Maxwell Air Force Base, Alabama. *Re:* Negotiation of a Cost Reimbursement Contract with the University of Chicago.

**DOD-072794-B-4** Reports; 8 documents, 42 pages. *Source:* Department of Defense. *Date:* 12/01/49 *From:* N/A. *To:* N/A. *Re:* Research and Development Board information and Report Requirements.

**DOD-072794-B-5** Financial Records; 1 document, 1 page. *Source:* Department of Defense. *Date:* 01/01/50 *From:* N/A. *To:* Commanding General, Air Materiel Command; Wright-Patterson Air Force Base, Dayton, OH. *Re:* Additional Justification Cost Reimbursement Contract, Northwestern University.

**DOD-072794-B-6** Meetings; 1 document, 2 pages.; Reports. *Source:* Department of Defense. *Date:* 07/01/63 - 12/01/63 *From:* N/A. *To:* N/A. *Re:* Semi-Annual History, July-December 1963: "Medical Research Advisor". *Contents:* just a portion of the Semi-Annual History

**DOD-072794-B-7** Experiment Records; 1 document, 1 page.; Publications. *Source:* Department of Defense. *Date:* 08/17/50 *From:* Dan C. Ogle, Brigadier General, USAF (MC), Deputy Surgeon General. *To:* Commandant, USAF School of Aviation Medicine, Randolph Air Force Base, TX. *Re:* Release for Civilian Publication and Presentation.

**DOD-072794-B-8** Reports; 1 document, 1 page. *Source:* Department of Defense. *Date:* 01/17/50 *From:* Dan C. Ogle, Brigadier General, USAF (MC), Deputy Surgeon General. *To:* Commanding General, Air University, Maxwell Air Force Base. *Re:* Quarterly Aeromedical Research Report.

*Sources and Documentation*

**DOD-072794-B-9** Financial Records; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 01/01/50 *From:* N/A. *To:* Commanding General, Air Materiel Command, Wright-Patterson Air Force Base, Dayton, OH. *Re:* Negotiation of Cost Reimbursement Contract.

**DOD-072794-B-10** Reports; 1 document, 4 pages. *Source:* Department of Defense. *Date:* 08/24/50 *From:* H.I. Chinn. Ph.D., Chief, Department of Pharmacology and Biochemistry, School of Aviation Medicine. *To:* Adjutant, USAF School of Aviation Medicine, Randolph Field TX. *Re:* Trip Report (to Wright-Patterson Air Force Base).

**DOD-072794-B-11** Correspondence; 1 document, 4 pages.; Experiment Records. *Source:* Department of Defense. *Date:* 09/19/50 *From:* Paul E. Fields, Director of Research, Department of Psychology, School of Aviation Medicine. *To:* Commandant, USAF School of Aviation Medicine, Randolph Field, TX. *Re:* Trip Report (to Pennsylvania State University). *Contents:* notes of American Psychological Association meeting.

**DOD-072794-B-12** Experiment Records; 1 document, 7 pages.; Reports. *Source:* Department of Defense. *Date:* 06/01/53 *From:* W.A. Rambach, M.D.; J.A.D. Cooper, M.D., Ph.D.; H.L. Alt, M.D., Ph.D., Northewestern University Medical School. *To:* N/A. *Re:* Project Report: "Nucleic Acid Metabolism of the Bone Marrow and Spleen in the Rat".

**DOD-072794-B-13** Experiment Records; 1 document, 14 pages.; Reports. *Source:* Department of Defense. *Date:* 04/01/52 *From:* W.A. Rambach, M.D., M.S.; D.A. Moomaw, M.D., M.S.; H.L. Alt, Ph.D., M.D.; J.A.D. Cooper, Ph.D., M.D. (Northwestern University Medical School). *To:* N/A. *Re:* Effect of Irradiation on P32 Uptake by Bone Marrow and Spleen. *Contents:* Project Report

**DOD-072794-B-14** Experiment Records; 1 document, 24 pages.; Reports. *Source:* Department of Defense. *Date:* 08/01/66 *From:* Amos Norman, Ph.D., Masao Sasaki, D.Sc., Richmond Ottoman, M.D., Robert Veomett, A.B., Department of Radiology, University of California at Los Angeles School of Medicine. *To:* N/A. *Re:* Use of Chromosome Aberrations to Estimate X-Ray and Gamma-Ray Dose to Man. *Contents:* contract AF41(609)-2944

**DOD-072794-B-15** Financial Records; 1 document, 1 page. *Source:* Department of Defense. *Date:* 04/06/51 *From:* N/A. *To:* N/A. *Re:* Isotopic Oxygen Consumption at Low Oxygen Tensions. *Contents:* discussion of "restricted" experiments

**DOD-072794-B-16** Correspondence; 1 document, 2 pages.; Financial Records. *Source:* Department of Defense. *Date:* 05/18/60 *From:* Raymond Ewell, Vice-Chancellor for Research, University of Buffalo, Buffalo, NY. *To:* Mabel Organ, Contracting Officer, San Antonio Research and Development Procurement Office, Wright Air Development Division, Lackland Air FOrce Base, TX. *Re:* Re - contract between University of Buffalo and the United States Air Force.

**DOD-072794-B-17** Experiment Records; 1 document, 1 page. *Source:* Department of Defense. *Date:* 01/01/60 *From:* B.E. Hietbrink, A.B. Raymund, K.P. DuBois, U.S. Air Force Radiation Laboratory, University of Chicago, Chicago, IL. *To:* N/A. *Re:* Effects of Combinations of Protective Compounds on Radiation Injury.

**DOD-072794-B-18** Experiment Records; 1 document, 22 pages. *Source:* Department of Defense. *Date:* 01/01/60 *From:* William C. Levin, M.D.; Martin Schneider, M.D.; Herbert B. Gerstner, M.D.; Depts. of Internal Medicine, Radiology at University of Texas at Galveston and Dept. of Radiobiology at School of Aviation Medicine, Randolph AFB, TX. *To:* N/A. *Re:* Initial Clinical Reaction to Therapeutic Whole-Body X-Radiation. monograph by Levin et al.

**DOD-072794-B-19** Correspondence; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 03/04/53 *From:* Allan D. Sutton, Major, USAF (MSC) Adjutant, Headquarters, United States Air FOrce, School of Aviation Medicine. *To:* N/A. *Re:* Administrative Practices - Research Project Procedures. *Contents:* USAF Regulation Number 11-2

**DOD-072794-B-20** Correspondence; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 10/18/54 *From:* Allan D. Sutton, Major, USAF (MSC) Adjutant, Headquarters, USAF School of Aviation Medicine. *To:* N/A. *Re:* Research and Development - Research Council. *Contents:* USAF Regulation Number 80-1

**DOD-072794-B-21** Correspondence; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 01/30/57 *From:* Clarence B. Kirk, Jr., Captain, USAF (MSC), Adjutant, Headquarters, U.S. Air Force School of Aviation Medicine. *To:* N/A. *Re:* Medical Service: Prevention of Injury Due to Chronic Exposure to Ionizing Radiation. *Contents:* USAF Regulation Number 160-5

**DOD-072794-B-22** Financial Records. *Source:* Department of Defense. *Date:* 01/23/48 *From:* N/A. *To:* N/A. *Re:* Research Contracts Sponsored by Medical Department, U.S. Army. *Contents:* list of Universities and contract titles with estimated expenditures for each

**DOD-072794-C-7** Reports; 1 document, 200 pages. *Source:* Department of Defense. *Date:* 07/01/47 - 06/30/48 *From:* School of Aviation Medicine. *To:* N/A. *Re:* History Volume 7. *Contents:* The table of contents does not contain a section on radiobiology. The budget for medical research and development was $274 million [p. 28]. The Committee on Aviation Medicion of the Division of Medical Sciences of the National Research Council visited SAM on 4/3/48 [p. 36]. From 1945-1947 the Air Force was involved in exploiting German aviation medicine, including preparation of "A Survey of German Aviation Medicine." [pp. 64-68] The section on research includes chapters on the Clinical

Medicine Division, the Medical Science Division, and the Military Medicine Division. The Clinical Medicine Division includes Internal Medicins, Neuropsychiatry, Ophthalmology, Otolaryngology, and Dentistry. The Medical Science Division includes Psychology, Biophysics, Bacteriology (Aerobiology), Pharmacology and Biochemistry, Biometrics, Pathology, and Physiology. The Military Medicine Division includes Global and Preventive Medicine, Department of Air Evacuation -- Nursing Section, and Department of Medical Administration. In Internal Medicine there were numerous studies of hypoxia [induced by low pressure from high altitudes] in animals, and some studies of the effects of rapid deceleration [e.g., crashes]. Neuropsychiarty includes studies of anoxia on brain function (in animals) and of warning signs of anoxia (in humans), as well as studies with human subjects on the effects of alcohol, sleep deprivation, and excess CO2 on flying performance. [etc.] Captain John Pickering was in the Department of Biophysics, under Col. John Talbot. The Department began a project on the Physics and Physiology of Space Travel, including solar and cosmic radiation effects. The Pathology Department was largely concerned with autopsies in 75 cases of death due to anoxia from high-altitude flight. Hubertus Strughold was a member of the Department of Physiology, which was largely concerned with the effects on humans and animals of rapid decompression.

**DOD-072794-C-29** Experiment Records; 1 document, 500 pages.; Reports. *Source:* Department of Defense. *Date:* 07/01/59 - 09/30/59 *From:* USAF School of Aviation Medicine. *To:* N/A. *Re:* Semiannual Historical Report, Volume 29, 1 July 1959 to 30 September 1959. *Contents:* This is the final volume of the history of the School of Aviation Medicine, which became part of the Aerospace Medical Center on October 1, 1959. The mission statement (p. iii) includes education, research, and specialized medical practice. The research mission includes "(1) To perform, or to monitor the performance of, basic and applied research and development in health sciences as provided in AFR's 80-21 and AFR 80-22. (2) To furnish administrative and budgetary support to operational air forces for field aeromedical research and development on aircrew effectiveness. The list of events (pp. iv-v and Chapter 1) includes the move from Randolph AFB to Brooks AFB, the selection of SAM "to develop medical selection standards for the Air Force Dyna-Soar Astronaut Program," and the establishment of the USAF Aerospace Medical Center. The founding of this center was accompanied by a 10-year research plan and by the promotion of Col. Gerrit L. Hekhuis as chief of theradiobiology department. The long-range research plan (Chapter 3) includes as goals the selection, protection, and effectiveness of personnel under a range of circumstances, including a project on bioastronautics. SAM researchers attended meetings of the National Research Council Committee on Bioastronautics, the NASA Bioastronautics Committee, the Special Weapons Medical Symposium (Sandia Base), among others. SAM supported biomedical studies for Project Mercury, but these involved monkeys from the USAF Radiobiological Laboratory in Austin. The report on radiobiology research describes nine in-house studies: * rapid assessment of radiation injury to personnel* effects of other stresses on radiation response* monkeys in space * standardization of radiation dosimetry * effects of different kinds of radiation * effects of cosmic rays * effects of radiation on physical and mental performance* long-term results of total body irradiation* establishment of radiation safety standards for space and nuclear powered aircraft. The report on space medicine lists five areas of research:* human reactions to a sealed cabin environment* human reactions to weightlessness * green plants as gas exchangers in the cabin* cosmic ray effects at the cellular and tissue level* life-support instrumentation. Exhibit 1 is a list of administrative heads at SAM over time (1917-1959). Exhibit 2 is a list of ongoing research projects, including 21 in radiobiology and 16 in space medicine. It includes task 7757-50 "Effect of Total Body and Local Irradiation on the Metabolism of the Hematopoietic System in Humans," a contract with the University of Texas Medical Branch. Exhibit 3 is a list of decisions by the research council, including approval of a study called "Study of the Acute and Long-Term Clinical and Hematological Effects of Total Body Irradiation of [sic] Local Irradiation," proposed by Dr. Levin, University of Texas, and presented by Dr. Gerstner, SAM Department of Radiobiology. Exhibit 4 is a list of published reports. The supporting documents begin with the Aeromedical Center Program, the research agenda for SAM. Citing the likelihood of flying high-altitude nuclear-powered aircraft and of the accepted use of nuclear weapons as blast weapons, it says that the program "must be continued over a period of 25 to 30 years in order to properly exploit and complete the observations in terms of delayed effects such as leukemia and longevity." (Tab D, p. 2) The program in space medicine includes studies of radiation from nuclear propulsion systems and from cosmic radiation. Tab H-1 contains financial records, including costs of a nuclear lab (neutron source, radioisotope hood). Tab H-4 is a description of the bionucleonics lab, including the nuclear lab, which had an anticipated staff of 70. Tab H-5 describes the planned bioastronautics laboratory. Tab H-6 describes the cellular physiology building, whose purpose included radiobiological investigations. The next attachments are administrative documents on the move of SAM from Randolph to Brooks AFB and general and specialized SAM curricula, followed by two papers: 59-90 Disorientation: ... 59-101 Human Experimentation in the Space Cabin Simulator (with a section on subject selection)

**DOD-080594-A-1** Financial Records; 1 document, 4 pages.; Reports. *Source:* Department of Defense (DOD-080594-A-1: 1 Folder in Accession). *Date:* 11/28/50 *From:* Dr. Howard Alt, Northwestern University Medical School, Chicago, IL.

*To:* N/A. *Re:* Research and Development Project Card for "Effect of Irradiation on P32 Uptake by Bone Marrow". *Contents:* project description, project, 21-23-029; report date set: 06/30/52

**DOD-080594-A-2** Experiment Records; 2 documents, 30 pages.; Reports. *Source:* Department of Defense. *Date:* 11/10/43; 12/01/43 *From:* School of Aviation Medicine, Randolph, TX. *To:* N/A. *Re:* Physiology of Increased Intrathoracic Pressure in Relation to the Effect of Centrifugal Forces.

**DOD-080694-A-1** Reports; 1 document, 11 pages. *Source:* Department of Defense (1 box: USAF document 0087). *Date:* 12/08/50 *From:* A.P. Gagge, Col. USAF, Chief, Medical Research Division, Office of the Surgeon General. *To:* Col. Paul A. Campbell, USAF, Director of Research, School of Aviation Medicine. *Re:* re - the direction of School of Aviation Medicine's research efforts. *Contents:* also has a list (attached at end of letter) dated 12/06/94 which listing research projects at the USAF School of Aviation Medicine in Categories: "Those Requiring Increased Emphasis," "Those Requiring Continued Emphasis," and "Those Requiring Diminshed Emphasis or Cancellation."

**DOD-080694-A-2** Experiment Records; 2 documents, 30 pages.; Reports. *Source:* Department of Defense (DOD-080694-A: 1 box in accession). *Date:* 11/10/43; 12/01/43 *From:* School of Aviation Medicine, Randolph, TX. *To:* N/A. *Re:* Physiology of Increased Intrathoracic Pressure in Relation to the Effect of Centrifugal Forces. *Contents:* two reports

**DOD-080694-A-3** Experiment Records; 1 document, 7 pages. *Source:* Department of Defense (DOD-080694-A: 1 box in accession). *Date:* 09/20/43 *From:* N/A. *To:* N/A. *Re:* The Effect of Altitude on Gastrointestinal Motility. *Contents:* research report

**DOD-080694-A-4** Experiment Records; 1 document, 11 pages. *Source:* Department of Defense (DOD-080694-A: 1 box in accession). *Date:* 02/02/43 *From:* N/A. *To:* N/A. *Re:* A Study of the Valsalva Procedure by Means of the Electrocardiograph, Aerteriograph and Teleroentgengraph. *Contents:* research report

**DOD-080694-A-5** Experiment Records; 1 document, 16 pages.; Reports. *Source:* Department of Defense (DOD-080694-A: 1 box in accession). *Date:* 12/31/42 *From:* N/A. *To:* N/A. *Re:* Roentgenographic studies of Gastrointestinal Motility Observed in Swing Test Subjects. *Contents:* research report

**DOD-080694-A-6** Correspondence; 1 document, 7 pages. *Source:* Department of Defense. *Date:* 11/07/46 *From:* E.J. Hendricks, Colonel, (MC) Chief, Aeromedical Laboratory, Aircraft & Physical Requirements Subdivision, Engineering Division. *To:* Commanding General, Headquarters, AAF, (Attn: Research Division, Office of the Air Surgeon). *Re:* Exchange of Information on University Contracts. *Contents:* Includes list dated 04/03/46 of Contracts non active between universities and the Aeromedical Laboratory, contracts now being negotiated and current contracts (a list from 07/46) with research titles. The former two lists were written up by Loyd E. Griffis, Colonel, (MC) Chief, Aeromedical Laboratory, Aircraft and Physical Requirements Subdivision, Engineering Division

**DOD-080694-A-7** 1 document, 29 pages. *Source:* Department of Defense. *Date:* 04/30/71 *From:* RAND. *To:* DASA. *Re:* Rand Final Report, Defense Atomic Support Agency. *Contents:* HRE-40 AR-563-DASA, Rand Report 4/71; Subject: Subject: Subject: Fallout and Biological Effects of radiation Tamplin and Gofman Theory, Low level radiation effects on humans, and Sternglass controversy.

**DOD-080694-A-8** Reports; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 05/23/50 *From:* Committee on Medical Sciences. *To:* N/A. *Re:* Transcript of Meeting Held on 23 May 1950. Discussion of ethical standards by DOD

**DOD-080694-A-9** Reports; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 11/10/52 *From:* Committee on Chemical Warfare. *To:* N/A. *Re:* Transcript of Meeting held on 11/10/52. Discussion on need for ethical code

**DOD-081994-A-1** Reports; 1 document, 7 pages. *Source:* Department of Defense. *Date:* 05/31/62 *From:* Medical Division, DASA. *To:* N/A. *Re:* Conference, Meetings, Military, Naval and All Divisions. Summary of data collected from animals and people on TBI/PBI

**DOD-082294-B-1** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 04/06/53 *From:* Robert H. McCaw. *To:* Chief, Rsearch and Development, Office of the Chief of Staff. *Re:* Volunteers for Biological Warfare Research.

**DOD-082294-B-2** Correspondence; 1 document, 5 pages. *Source:* Department of Defense. *Date:* 04/10/53 *From:* Robert H. McGaw. *To:* Chief, Research and Development, Office of the Chief of Staff. *Re:* Volunteers for Biological Warfare Research.

**DOD-082294-B-3** Correspondence; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 04/15/53 *From:* A.W. Betts. *To:* J.N. Davis, Office of the Undersecretary of teh Navy. *Re:* Use of HUman Volunteers in Experimental Research.

**DOD-082694-A-1** Correspondence; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 11/16/59 *From:* Wilson F. Humphreys, Colonel, USMC, Assistant to Chief of Staff. *To:* Commanding Officer's . *Re:* DASA Base Commanders' Weekly Bulletin (U). bulletin to commanding officers at DASA bases around the country

## *Appendix E*

**DOD-083094-A-1** Correspondence; 11 documents, 25 pages.; Meetings; Reports. *Source:* National Archives and Records Administration, Department of Defense (AFOAT-BW: R6341, Entry 199, Box 4/1953). *Date:* 10/14/53 *From:* Col. Leon H. McCurdy. *To:* N/A. *Re:* Contemplated Organization for BW, CW, and RW on [sic] Department of Defense. *Contents:* This collection of memoranda and reports documents the planning for the formation of a joint Army/Navy/Air Force Policy Committee for research and development on biological warfare, chemical warfare, and radiological warfare. The formation of this committee was necessitated by the reorganization of the Department of Defense, which eliminated the Research and Development Board. As part of the organization, there was to be an advisory committee of outside experts, including W. A. Noyes and George Kistiakowski, with Austin Brues and Herbert E. Longenecker among the alternates, as experts on radiological warfare. These documents appear to focus on biological warfare.

**DOD-083094-A-2** Correspondence; 4 documents, 4 pages. *Source:* National Archives and Records Administration, Department of Defense. *Date:* 04/01/53 *From:* Lt. Col. John W. Shelton, USAF. *To:* [illegible]. *Re:* Requirement for studies of irradiated animals in Dugway test program. *Contents:* These memoranda describe the need to study the effects of ionizing radiation on the susceptibility of animals to biological warfare agents, specifically on the suppression of the immune system. One memo states that "It is the understanding that the Institute of Public Health has conducted extensive field tests using pathogens against irradiated animals."

**DOD-090994-B-1** Reports; 1 document, 64 pages. *Source:* Department of Defense. *Date:* 12/01/50 *From:* Scientific Advisory Board. *To:* Chief of Staff, USAF. *Re:* Report of the Ad Hoc Committee on Medical Research and Development in the United States Air Force, FY 1950. *Contents:* surveys the biomedical research in the United States Air Force to date; recommends certain organizational changes

**DOD-090994-C-1** Correspondence; 4 documents, 13 pages. *Source:* National Archives and Records Administration, Department of Defense. *Date:* 06/03/52 *From:* Herbert B. Loper. *To:* Military Liaison Committee, Army Chief Chemical Officer, USAF Assistant for Atomic Energy, WSEG Director,. *Re:* Request that the Services of Lt. Col. Morris L. Shoss be Made Available to a Technical Study Group to Review RW. *Contents:* This letter contains as attachments four copies of the original letter (directed as indicated above), describing the formation of "a Study Group to review the technical changes and progress in the field of radiological warfare," chaired by W. A. Noyes, Jr. Three other letters are also attached: 1. From Loper to Dr. W. F. Dale, University of Rochester School of Medicine, 6/2/52, inviting him to be part of the group.2. From Loper to Mr. R. W. Cook, Director, Division of Production, AEC, 6/3/52, asking for a member of his staff to prepare information for the Study Group. 3. From Loper to W. A. Noyes, c/o Chief Chemical Officer, Army, 6/4/52, outlining the purposes of the Study Group: a. AEC production capabilities for RW agents, b. methods for producing RW agents, c. radiological effectiveness, d. delivery and dissemination, e. decontamination, f. biological effects of TBI, and g. revisions in the conclusions of the original Noyes panel.

**DOD-090994-C-2** Correspondence; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 02/26/53 *From:* C. E. Wilson, Secretary of the Department of Defense. *To:* the Service Secretaries. *Re:* Use of Human Volunteers in Experimental Research.

**DOD-090994-C-3** Reports; 1 document, 4 pages. *Source:* Department of Defense. *Date:* 06/01/62 *From:* bumed. *To:* N/A. *Re:* Biological Dosimeter of Radiation Injury. Funding, justification and subtask description for investigating biological dosimetry

**DOD-090994-C-4** Correspondence; 1 document, 4 pages. *Source:* Department of Defense. *Date:* 03/05/54 *From:* Irving L. Branch. *To:* Asst. Secretary of DEfense (Health and Medicine). *Re:* Status of Human Volunteers in Bio-medical Experimentation.

**DOD-090994-D-1** Correspondence; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 02/14/49 *From:* K. D. Nichols. *To:* Chemical Corps. *Re:* Request for Additional Funds for RW Decontamination. *Contents:* Nichols, Chief of AFSWP, rejects a request by the Chemical Corps for 156,000 [?] for a radiological warfare decontamination study, arguing that this is the province of the Naval Radiological Defense Laboratory. The Chemical Corps is directed to coordinate with NRDL and come back with a revised funding request if necessary.

**DOD-090994-D-2** Reports; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 01/31/56 *From:* Collins et al. *To:* Dept of Army. *Re:* Study of Effects of Total and Partial Radiation on Iron Metabolism and Hematopoiesis. Part of report of study carried out by Baylor under Army contract

**DOD-091494-A-1** Reports; 2 documents, 13 pages. *Source:* Department of Defense. *Date:* 02/06/56 *From:* Robert Conrad, NMRI; Carl Tessmer, Armed Forces Inst of Pathology. *To:* N/A. *Re:* Beta Radiation Lesion of the Skin. *Contents:* Case study of USAF officer contaminated by radioactive material during transport.

**DOD-091494-A-2** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 04/07/43 *From:* Frank Knox, SECNAV. *To:* All Ships and Stations. *Re:* Unauthorized Medical Experimentation on Service Personnel. *Contents:* Procedures on experimenting on servicemen

## *Sources and Documentation*

**DOD-091494-A-3** Correspondence; 7 documents, 13 pages. *Source:* Department of Defense. *Date:* 03/31/58 *From:* Chief Bureau of Med and Surgery, USN. *To:* SECNAV. *Re:* Authorization for use of radioisotopes in human volunteers. *Contents:* Memoranda running up the line from USN Radiological Defense Lab with the initial request ending with Bureau of Medicine and Surgery with the request for authorization from SECNAV

**DOD-091494-A-4** Correspondence; 8 documents, 18 pages. *Source:* Department of Defense. *Date:* 06/26/58 *From:* B. Hogan, Chief, Bureau of Medicine and Surgery. *To:* SECNAV, Sec. of Army. *Re:* Authorization for use of radioisotopes on volunteers, 6/58. *Contents:* Memos regarding request for La-140 for decontamination study

**DOD-091494-A-5** Correspondence; 9 documents, 14 pages. *Source:* Department of Defense. *Date:* 10/04/62 *From:* CK Duncan, Chief of Naval Personnel. *To:* SECNAV. *Re:* Authorization for use of Radioisotopes; 10/62. *Contents:* Memos requesting authorization for use of humans in radioisotope experiment, application for isotopes, background of those conducting experiments.

**DOD-091494-A-6** Correspondence; 2 documents, 2 pages. *Source:* Department of Defense. *Date:* 06/11/57 *From:* Garrison Norton, Asst SECNAV. *To:* Commanding Officer, US Naval Retraining Command. *Re:* Disapproval of conducting psychological research. *Contents:* Disapproval fo conducting psych research on volunteers.

**DOD-091494-A-7** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 08/23/66 *From:* RB Brown, VADM, MC, USN, Surgeon General. *To:* Edward Wenk, Sci Pol, Library of Congress. *Re:* Request reply on Navy research regs. *Contents:* Letter replying to request for info on where to find Naval regs on conducting experiments on humans

**DOD-091694-A-1** Reports; 1 document. *Source:* Department of Defense. *Date:* 06/30/51 *From:* Richard Meiling, Chairman, Armed Forces Medical Policy Council. *To:* N/A. *Re:* Annual Report of the Armed Forces Medical Policy Council to the Secretary of Defense. annual report (partial)

**DOD-092794-A-1** Reports; 1 document, 100 pages. *Source:* Department of Defense. *Date:* 08/01/91 *From:* N/A. *To:* N/A. *Re:* Idaho National Engineering Laboratory Historical Dose Evaluation: Volume 2: Appendices. *Contents:* This accession contains document contains pp. 85-186 of the document, which describe releases of radioactive materials at INEL in connection with the NEPA/ANP nuclear powered aircraft program. On p. 85: "The ANP experiments that involved significant airborne releases of radioactivity at the INEL were the power operations of the HTRE No. 1, HTRE No. 2, and HTRE No. 3 reactors; the Fuel Element Burn Tests, and the FPFRTs." The tests included: 1. Initial Engine Tests (IET's), numbered 1-26, which took place from 1955-60. Some of these released thousands of curies of radioactive gases and fission products, and several grams of highly enriched uranium. 2. Fission Product Field Release Tests (FPFRT's), numbered 1-9, which took place from July to September 1958. From p. 176: "These tests were performed to obtain information for evaluating the release of radioactivity from potential accidents involving nuclear powered aircraft using metallic fuel." Spent fuel was melted, releasing volatile gases into the atmosphere. Tables report the fraction of each isotope released, but not the total amount of radioactivity released. 3. Fuel Element Burn Tests A and B, March 1957. On p. 180: "Aged fuel assemblies were heated to drive off fission products for the purpose of determining the fission product release in the event of a nuclear aircraft crash involving a fire." The two burned fuel elements contained 5,000 and 10,000 curies of radioactivity.

**DOD-092894-A-1** Meetings; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 01/14/54 *From:* Edward Kendricks. *To:* N/A. *Re:* Minutes, Research Council Meeting. partial meeting minutes from research council

**DOD-092894-A-2** Meetings; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 08/29/55 *From:* Edward Kendricks. *To:* N/A. *Re:* Minutes, Research Council Meeting, 8/29/55. minutes (partial)

**DOD-100694-A-1** Correspondence; 1 document, 3 pages. *Source:* Department of Defense (DNA: DNA1.940923.095 or HRE-0694, Volume 7 File 960. *Date:* 12/01/62 *From:* Robert H. Booth. *To:* AJODS (?). *Re:* Weapons Tests General. *Contents:* DASA has been directed to plan Operation Roller Coaster, a joint AEC/DoD/UK project. "Objectives of this experiment are to define problems of radiation exposure to personnel associated with non-nuclear destruction of plutonium bearing weapons and to determine the degree of hazard reduction afforded by earth covered storage structures." Stonewall Flats at the Las Vegas Bombing and Gunnery Range is identified as the only feasible site. Exclusive use would be required for "approximately six months, starting 15 Jan 62. Following the test, land would be available as bombing and gunnery range."

**DOD-100694-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (DNA: DNA1.940923.013 or HRE-0612, JGH-81. *Date:* 02/25/53 *From:* Joseph G. Hamilton. *To:* John C. Bugher. *Re:* Inhalation of radioactive particles. *Contents:* Dr. Hamilton proposes that the inhalation of radioactive particles be included on the agenda of the Tri-Partite Conference on Permissible Doses. He notes activities at the Nevada Test Site and at Dugway, where "the Chemical Corps is planning to detonate munitions at the 100,000 curie level." He suggests that there has been insufficient time to judge the long-term hazards of inhalation, and compares it to the radium dial painters. He suggests that Karl Morgan and someone from the Chemical Corps be present for this discussion

## *Appendix E*

**DOD-102594-A-1** 1 document. *Source:* Department of Defense. *Date:* 05/01/57 *From:* Lowell S. Miller, Gilbert Fletcher, Herbert B. Gerstner. *To:* School of Aviation Medicine. *Re:* Systemic and Clinical Effects Induced in 263 Cancer Patients By Whole Body X-Irradiation With Nominal Air Doses of 15 To 200 R. SAM article on study conducted at MD Anderson Hospital

**DOD-102894-A-1** Reports; 1 document, 12 pages. *Source:* Department of Defense. *Date:* 09/28/94 *From:* Frank C. Conahan, Assistant Comptroller General, National Security and International Affairs Division. *To:* [public]. *Re:* An Overview on Cold War Era Programs - Testimony before the Legislation and National Security Subcommittee, Committee on Government Operations, House of Representatives.

**DOD-102894-A-2** Experiment Records; 1 document, 82 pages. *Source:* Department of Defense. *Date:* 03/15/61 *From:* Department of Radiobiology. *To:* N/A. *Re:* Aeromedical Problems of Atomic Energy.

**DOD-102894-A-3** Reports; 1 document, 9 pages. *Source:* Department of Defense. *Date:* 12/01/62 *From:* Green Peyton, Chief Historian; Jean Evans, Assistant Historian, Aerospace Medical Division, AFSC. *To:* N/A. *Re:* History - Aerospace Medical Division, Air Force Systems Command: "Reorganization: 11/1/61 - 6/30/62". *Contents:* excerpt on Project Mercury and formation of NASA

**DOD-102894-A-4** Reports; 1 document, 29 pages. *Source:* Department of Defense. *Date:* 06/01/63 *From:* Green Peyton, Chief Historian, AMD. *To:* N/A. *Re:* History - Aerospace Medical Division, Air Force Systems Command: Vol.2, "Administration, Progress 7/1/62 to 12/31/62".

**DOD-102894-A-5** Reports; 1 document, 10 pages. *Source:* Department of Defense. *Date:* 06/01/64 *From:* N/A. *To:* N/A. *Re:* History - Aerospace Medical Division, Air Force Systems Command: "A Time of Maturity - 7/1/63 to 12/31/63".

**DOD-111594-A-1** Correspondence; 1 document, 4 pages. *Source:* Department of Defense (OSD1.941104, Washington National Records Center: Accession 68A-6375, RG 330, Box 1, Volunteers for Experimental Research (52 & 53). *Date:* 04/30/52 *From:* Charles V. Kidd, Director, Research and Planning, NIH. *To:* Alfred Dana, Medical Corps, USN. *Re:* Ethical Principles underlaying investigations involving human beings.

**DOD-113094-A-1** Reports; 1 document, 45 pages. *Source:* Department of Defense. *Date:* 05/27/53 *From:* Peter Susi. *To:* N/A. *Re:* Eval of Airborne Hazard Associated with RW Tests at Dugway Proving Grounds. *Contents:* hazards report

**DOD-120694-A-1** Reports; 1 document, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 35, Human Volunteers of Army Medical Research. *Date:* *From:* Henry K. Beecher. *To:* N/A. *Re:* Statement Outlining the Philosophy and Ethical Principles Governing the Conduct of Research on Human Beings at the Harvard Medical School. *Contents:*

**DOD-120694-A-2** Correspondence; 2 documents, 3 pages.; Reports. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 35, Human Volunteers of Army Medical Research. *Date:* 02/11/63; 07/25/63 *From:* Donald Howie, Lt. Col., Chief, Medical Research Branch. *To:* Mr. Raymond Durant/Commanding Officer, Surgical Research Unit, Brooke Army Medical Center. *Re:* Approval of Research Protocol.

**DOD-120694-A-3** Reports; 1 document, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 35, Human Volunteers of Army Medical Research. *Date:* 07/10/62 *From:* Donald D. Howie, Lt. Col., MC, Assistant Chief, Medical Research. *To:* (memo for the record). *Re:* Use of Volunteers for Army Medical Research.

**DOD-120694-A-4** Reports; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 35, Human Volunteers of Army Medical Research. *Date:* *From:* N/A. *To:* N/A. *Re:* Appendix A - Volunteers: Reference Material in R&D Files. *Contents:* Appendix to Memorandum For the Record: Use of Volunteers For Army Medical Research, 7/10/62, From Donald M. Howie

**DOD-120694-A-5** Reports; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 56A-0174, box 1, A Study of the Primary and Secondary Medical Aspects of Human Casualties... *Date:* 12/07/48 *From:* Frank L. Bauer, Lt. Col., Medical Corps, Chief, Research Branch, Medical Research and Development Board. *To:* Attn: Chief, Research Branch, R&D Group. *Re:* Project for ORC Research & Development Group. *Contents:* proposal for - "A Study of the Primary and Secondary Medical Aspects of Human Casualties Secondary to the Use of Radiological Warfare on a Large Population Center"

**DOD-120694-A-6** Correspondence; 4 documents, 6 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flash Blindness Correspondence. *Date:* 05/10/63 *From:* Terrell A. Teague, Major, MSC, Adjutant/Joseph E. Edwards, Col., USAF, Asst. Chief of Staff. *To:* Commanding General, Walter Reed Army Medical Center/ Surgeon General, Department of the Army, Attn: Special Assistant for Research and Development/[see distribution list on document]/. *Re:* [Flashblindness Correspondence].

**DOD-120694-A-7** Correspondence; 2 documents, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 09/25/63 *From:* Robert Neidlinger, Major,

Medical Corps/Joel McNair, Col., M.C., Chief, Phthamology Svc. *To:* Commanding General, Walter Reed, General Hospital. *Re:* Trip Report - Conference on Flashblindness and Chorioretinal Burns at School of Aerospace Medicine.

**DOD-120694-A-8** Correspondence. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 09/25/63; 09/30/63 *From:* Joseph Goldstein, Colonel, MC, Chief, Nuclear Energy Division/Donald Glew, Jr., Lt. Col., MC, Chief, Surgical Research Branch. *To:* Chief, Surgical Research Branch/Chief, Nuclear Energy Division. *Re:* FY 63 Funds.

**DOD-120694-A-9** Correspondence; 2 documents, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 01/10/64; 12/09/63 *From:* Robert E. Blount, Brigadier General, MC, Special Assistant for Research and Development/Frederick J. Hurley, Col., CmlC, Chief, Cml-Bio Branch, Development Division. *To:* Commanding General, U.S. Army Materiel Command/The Surgeon General, Department of the Army. *Re:* Length and Range of Flash Blindness.

**DOD-120694-A-10** Reports; 3 documents, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 01/21/64; 01/03/64; 01/31/64 *From:* Robert E. Blount, Brigadier General, MC, Special Assistant for Research and Development/Kenneth Lapin/Richard Taylor, Lt. Col., MC, Deputy Commander. *To:* Lt. Col. Glew/Robert Blount/Kenneth Lappin. *Re:* Effect of Visual Radiation on Eyes.

**DOD-120694-A-11** Reports; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 02/26/64 *From:* Irving Cort, U.S. Representative to Technical Sub-Group AC/196. *To:* Secretary Technical Sub-Group AC/196. *Re:* Flash Blindness.

**DOD-120694-A-12** Correspondence; 1 document, 7 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flash Blindness Correspondence. *Date:* 03/26/62 *From:* N/A. *To:* [Distribution to all Class II installations under TSG.]. *Re:* Implementation of Army Regulation 70-25, 26 March 1962, "Use of Volunteers as Subjects of Research".

**DOD-120694-A-13** Reports; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, FlashBlindness Correspondence. *Date:* 06/20/63 *From:* Dr. Norman A. Sidley, Minneapolis Honeywell Regulator Co., Military Products Group. *To:* N/A. *Re:* The Effects of High Intensity Radiant Stimulation of Varying Wavelengths and Duration on Retinal Sensitivity.

**DOD-120694-A-14** Reports; 1 document, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flash Blindness Correspondence. *Date:* 06/01/63 *From:* P-L.E. Zimmerman, M.D., AFIP and A-B. Fine, M.D., AFIP. *To:* N/A. *Re:* Biophysical and Biological Studies of the Structure and Function of Ocular Tissue.

**DOD-120694-A-15** Reports; 3 documents, 7 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flash BlindnessCorrespondence. *Date:* 12/31/63; 09/30/63 *From:* Dr. Donald B. Lindsley, Chairman, Dept of Psychology, Univ. of California/Lt. Col. William Hausman, MC, Chief, Behavioral Sciences Research Branch, U.S. Army Medical R&D Command. *To:* N/A. *Re:* Psychophysiology of Vision.

**DOD-120694-A-16** Reports; 1 document, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36). *Date:* 06/30/63 *From:* Dorothy E. Feaheny and D.K. Wilburn, U.S. Army Tank-Automotive Center. *To:* N/A. *Re:* Anti Flash Device. *Contents:*

**DOD-120694-A-17** Reports; 1 document, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flash Blindness Correspondence. *Date:* 05/11/64 *From:* Robert Neidlinger, Major, M.C., Asst. Ch., Special Projects. *To:* CG, Medical R&D Command, Office of the Surgeon General, Department of the Army. *Re:* Report on Conference on Chemistry of Vision, U.S.A. Laboratories, Natick, MA - 5 May 1964.

**DOD-120694-A-18** Correspondence; 2 documents, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flash Blindness Correspondence. *Date:* 05/15/64; 06/03/54 *From:* Donald Glew, Jr., Lt. Col., MC, Chief, Surgical Research Branch/Joel McNair, Colonel, MC, Chief, Ophthamology Svc. *To:* USA Med R&D Command. *Re:* Subtask Proposal Entitled "Analysis of Visual Characteristics and Requirements for Army Pilots for Eye Protection in Nuclear Warfare Conditions".

**DOD-120694-A-19** Reports; 2 documents, 7 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flash Blindness Correspondence. *Date:* 07/28/64 *From:* G.J. Collins, Colonel, MC, Executive Officer/Fred J. Delmore, Brigadier General, USA, U.S. Delegation Leader. *To:* Chief, CBR Quadripartite Secretariat, U.S. Army Edgewood Arsenal/Surgeon General, Department of the Army [and several Commanding Officers]. *Re:* Implementation of the Recommendations of the 16th Tripartite CBR Conference.

**DOD-120694-A-20** Correspondence; 1 document, 1 page. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 10/08/64 *From:* Robert E. Blount, Brigadier General, MC, Special Assistant for Research and Development. *To:* Director, Attn: STMD, Defense Atomic Support Agency. *Re:* Coordination of Programs for Protection Against Flashblindness.

**DOD-120694-A-21** Correspondence; 1 document, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112,67A-4813, box 36, Flashblindness Correspondence. *Date:* 10/08/64 *From:* H.C. Donnelly, Lt. General, USAF, Director. *To:* Surgeon General, Department of the Army. *Re:* Coordination of Programs for Protection Aganinst Flashblindness.

**DOD-120694-A-22** Reports; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 09/15/64 *From:* Jack Passmore, Col., MC, Chief, Ophthamology Svc. *To:* Lt. Col. Donald Glew, Ch., Surgical Research. *Re:* Ocular Research.

**DOD-120694-A-23** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 08/12/64 *From:* Rob Roy McGregor, Chief, Physcial Sciences Laboratory. *To:* Surgeon General, U.S. Army Medical Research & Development Command. *Re:* Request for Reports.

**DOD-120694-A-24** Correspondence; 2 documents, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 08/28/64 *From:* Robert Neidlinger, Major, MC, Asst. Chief, Special Projects/Donald Glew, Jr., Lt. Col., MC, Chief, Surgical Research Branch. *To:* Donald Glew/Rob Roy McGregor, Chief, Medcial Sciences Laboratory. *Re:* Response[s] to Request for Reports dated 12 Aug 64 from Chief, Physical Sciences Laboratory.

**DOD-120694-A-25** Reports; 1 document, 9 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 02/24/65 *From:* Major Robert Neidlinger, Ophthamology Svc., Walter Reed General Hospital. *To:* [Memor for Record]. *Re:* Report on Conference on Flashblindness at Naval Air Development Center, Johnsonville, PA, 23-24 Feb 65.

**DOD-120694-A-26** Correspondence; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 05/03/65 *From:* N/A. *To:* [Memo for Record]. *Re:* Report of Conversation with Secretary of AF Vision Committee.

**DOD-120694-A-27** Correspondence; 2 documents, 4 pages. *Source:* Department of Defense. *Date:* 04/07/65; 03/24/65 *From:* Major Robert J. Neidlinger/J.F. Mitchell, Colonel, GS, Chief, Nuclear Branch. *To:* [Memor for Record]/Commanding Officer, Human Engineering Laboratories. *Re:* Flashblindness Meeting/Requirements for Flashblindness Protection.

**DOD-120694-A-28** Correspondence; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 04/28/65 *From:* N/A. *To:* N/A. *Re:* Memo for Meeting - NAS-WRC, AF Vision Committee, 28 Apr 65.

**DOD-120694-A-29** 3 documents, 6 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 11/23/65; 12/01/65 *From:* Milton M. Zaret, Director of Research, Zaret Foundation/John V. Kovaric, Lt. Col., MC, Chief, Surgical Research Branch/Walter J. Geeraets, Prof. of Ophthamology, Medical College of Virginia. *To:* Lt. Col. Kovaric/Chief, Medical Dev. Div., Surgical Research Branch/ Lt. Col. John J. Kovaric. *Re:* Flashblindness Treatment and/or Mitigation.

**DOD-120694-A-30** Reports; 2 documents, 11 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 09/14/62 *From:* James Beyer, Lt. Col., MC, Asst. Chief, Surgical Branch/DePaul Corkhill, Major, USAF, DASA - MD. *To:* N/A. *Re:* Visit Report - Activities - Retinal Burns JTF 8 - Task Unit 8.1.3 Hickam AFB and Johnston Island. *Contents:* Also included is and organizational chart for the task number.

**DOD-120694-A-31** Reports; 1 document, 32 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 11/25/60 *From:* N/A. *To:* N/A. *Re:* Medical Aspects of Thermal Injury.

**DOD-120694-A-32** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 01/09/61 *From:* Lewis B. Weigold, Lt. Col., USAF, Asst. Chief of Staff. *To:* (see distribution list). *Re:* Transmittal of DD Form 613s, Entitled "Medical Aspects of Thermal Injury" dtd 11/25/60. *Contents:*

**DOD-120694-A-33** Reports; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, Flashblindness correspondence. *Date:* 02/16/61 *From:* Headquarters, Department of the Army, Office, Chief of Research and Development. *To:* N/A. *Re:* R & D Directive No. 70-11.

**DOD-120694-A-34** Correspondence; 1 document, 1 page. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 06/22/61 *From:* James Beyer, Major, MC, Asst., Surgical Research Branch. *To:* Col. J. Graham, Chief, Surgical Consultant. *Re:* Eye Research.

**DOD-120694-A-35** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* *From:* N/A. *To:* N/A. *Re:* Location for Army Medical Research Laboratory. *Contents:*

## *Sources and Documentation*

**DOD-120694-A-36** Reports; 1 document, 2 pages. *Source:* Department of Defense. *Date:* *From:* N/A. *To:* N/A. *Re:* Ocular injuries..

**DOD-120694-A-37** Correspondence; 1 document, 1 page. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 01/26/62 *From:* James Beyer, Lt. Col., MC, Asst. Chief, Surgical Research Branch. *To:* Lt. Col. Hilcken. *Re:* Biological Effects of Blast from Bombs.

**DOD-120694-A-38** Correspondence; 1 document, 6 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 07/27/62 *From:* James Beyer, Lt. Col., MC, Asst. Chief, Surgical Research Branch. *To:* Abraham Lastnik, U.S. Army Quartermaster Research and Engineering Command. *Re:* Flashblindness.

**DOD-120694-A-39** Reports; 1 document, 9 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, BOX 36, Flashblindness correspondence. *Date:* 06/12/62 *From:* N/A. *To:* Andrew J. Britten, Optics Branch, FC Division, R & D Group, PDL. *Re:* Study of Flashblindness and Chorioretinal Burns in Animals and Humans.

**DOD-120694-A-40** Reports; 2 documents, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* *From:* N/A. *To:* N/A. *Re:* Effect of Visual Radiation on Eyes/Dazzle Research Program.

**DOD-120694-A-41** Meetings; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 08/02/60 *From:* Harold Hamit, Lt.Col., MC, Chief, Surgical Research Branch. *To:* Memo for Record. *Re:* Meeting of Protection of the Eye Against Flash Effects of Nuclear Weapons.

**DOD-120694-A-42** Reports; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 07/18/60 *From:* Colin Vorder Bruegge, Col., MC, Deputy Commander. *To:* Memo for Record. *Re:* Coordination of Studies on Eye Protection.

**DOD-120694-A-43** Reports; 1 document, 5 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 12/31/58 *From:* N/A. *To:* N/A. *Re:* Officer Qualification Record.

**DOD-120694-A-44** Correspondence; 1 document, 9 pages. *Source:* Department of Defense. *Date:* 07/15/60 *From:* James Beyer, Major, MC/Robert Holmes, Col., MC/Dr.William Enos. *To:* the Directorate. *Re:* Department of Defense Personnel Armor Symposium.

**DOD-120694-A-45** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 07/14/60 *From:* E.S. Cribbs, Major, A.G.C., Deputy Adjutant General. *To:* [see distribution list on document]. *Re:* Meeting of an Ad-Hoc Committee on Chorioretinal Burns and FLash Blindness.

**DOD-120694-A-46** Meetings; 1 document, 3 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 07/15/60 *From:* James Beyer, Major, MC. *To:* Chief, Division of MIlitary Environmental Pathology and Chief, Department of Pathology. *Re:* AVERT meeting.

**DOD-120694-A-47** Correspondence; 1 document, 1 page. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 02/03/60 *From:* Joseph McNingh, Brigadier General, MC, Special Assistant for Research and Development Affairs. *To:* MC Career Management and Personnel Training Division. *Re:* SATSG/R & D Affairs.

**DOD-120694-A-48** Reports; 1 document, 1 page. *Source:* Department of Defense. *Date:* 02/15/65 *From:* Robert Neidlinger, Ophthamology Service, Walter Reed General Hospital. *To:* Memo for Flashblindness File. *Re:* Flashblindness.

**DOD-120694-A-49** Correspondence; 3 documents, 2 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness Correspondence. *Date:* 02/15/60; 02/03/60 *From:* James Stapleton, Colonel, MC/Joseph McNingh, Brigadier General, MC/Joe Blumberg, Chief, Pathology and Laboratory Sciences . *To:* MC, Career Management and Personnel Training Division. *Re:* Major James Beyer, MC.

**DOD-120694-A-50** Correspondence; 2 documents, 4 pages. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 12/06/65; 10/04/65 *From:* Edward Knoblock, Lt. Col., MSC, Director, Division of Biochemistry. *To:* Chief, Research Division, U.S. Med. R & D Command. *Re:* Flashblindness Treatment/Draft Proposed Qualitative Materiel Development Objective for Flashblindness Treatment and/or Mitigation, Individual.

**DOD-120694-A-51** Correspondence; 1 document, 1 page. *Source:* Department of Defense (Records of the Surgeon General: RG 112, 67A-4813, box 36, Flashblindness correspondence. *Date:* 10/26/65 *From:* John M.Davies, Head, Radiation Physics Laboratory, Pioneering Research Division. *To:* Lt. Col. Kovaric, Surgical Research Branch, U.S. Army Medical R & D Command. *Re:* Cover Letter for Report on Flashblindness Studies Performed by Arthur D. Little, Inc., Contract DA 19-129-AMC-97(N).

## *Appendix E*

**DOD-121294-C-1** Reports; 8 documents, 35 pages. *Source:* Department of Defense. *Date:* 12/31/59 *From:* USN OSG. *To:* N/A. *Re:* OSG Annuals. *Contents:* Special Weapons Medicine section of annual Reports from OSG, years 1951, 52, 53, 56, 57, 58, 59

**DOD-121294-C-2** Reports; 1 document, 27 pages. *Source:* Department of Defense. *Date:* 11/09/93 *From:* Jan Herman, Robert Conard. *To:* N/A. *Re:* Interview w/Robert Conard. *Contents:* INterview with Conard

**DOD-121494-A-1** Correspondence; 2 documents, 6 pages.; Reports. *Source:* Department of Defense (OSD1.941207: WNRC, RG330, Accession 60A-1364, Box 1, OSD1.941207.001a and OSD1.941207.001b. *Date:* 04/28/48 *From:* Edwin F. Black. *To:* Major General A.C. Auliffe. *Re:* Genetic Effects of Radiological Warfare. *Contents:* The memo has attached a typescript of an article by Dr. Frank Ellis, published as an editorial in The British Journal of Radiology, January 1948, on "The Genetic Effects of Non-Sterilising Doses of Penetrating Radiation." The memo adds "This article contains a brief discussion of the aspects of radiological warfare which I brought to your attention [the] day before yesterday." This editorial suggests great concern for the possibility of increasing the spontaneous mutation rate of the cells that produce human spermatozoa or ova, resulting in an increase in the number of recessive deleterious mutations that might not become evident for generations. Nowhere does it refer explicitly to RW,

**DOD-121494-A-2** Meetings; 1 document, 60 pages. *Source:* Department of Defense (OSD1.941207: RG 330/accession 60A-1364/Box 1, File: Atomic Energy - 1949. *Date:* 07/22/49 *From:* N/A. *To:* N/A. *Re:* NEPA Medical Advisory Panel Subcommittee No. IX; Report No. NEPA 1110-IER-20.

**DOD-121994-C-1** 1 document. *Source:* Department of Defense. *Date:* 02/01/63 *From:* Robert B. Payne. *To:* N/A. *Re:* Effects of Acute Radiation Exposure of Human Peformance. monograph by Payne of SAM summarizing studies analyzing psychological aspects of TBI and radiation sickness

**DOD-122294-D-1** Reports; 1 document, 5 pages. *Source:* Department of Defense. *Date:* 12/31/57 *From:* N/A. *To:* N/A. *Re:* Research PRoposal:Experiments Relating to Combind Effects of RW w/CW and RW w/ BW. *Contents:* Research proposal, budget proposal

**DOD-122294-D-2** Reports; 1 document, 19 pages. *Source:* Department of Defense. *Date:* 02/10/52 *From:* Capt. John Pierce. *To:* N/A. *Re:* Clothing Decontamination Studies at DPG. *Contents:* interim report

**DOD-122394-A-1** Reports; 1 document, 18 pages. *Source:* Department of Defense (DNA: NARA, DNA1.941213.011. *Date:* 01/10/49 *From:* Panel on Biological and Medical Aspects of Radiological Warfare. *To:* Joint NME-AEC Panel on Radiological Warfare. *Re:* No title. *Contents:* Recommendations: 1) Do not make military plans around 30 r/day as effective dose threshold; 2) study on dose-response and dose protraction of external radiation for RW, Civil Defense, NME, and NEPA; 3) consider defensive use of beta emitters; 4) [repeats 2] Offensive uses of RW: 1) minimize damage in attack on cities and cultural centers, 2) higher production desirable, 3) territorial denial, 4) sabotage. Defensive uses also discussed Mean Sickness Dose roughly 100r for instantaneous exposure; estimated 260-390r for protracted dose. Problems of accidental exposure in RW operations.Recommendations for future work.

**DOD-122794-A-1** Reports; 1 document, 8 pages. *Source:* Department of Defense. *Date:* 09/01/49 *From:* N/A. *To:* N/A. *Re:* Restated policies on applying to purchase Isotopes from the Isotope Division.

**DOD-122894-A-1** Correspondence; 1 document, 3 pages. *Source:* Department of Defense (DNA1.941205: JFB/INB/2896/blac, DNA1.941205.010. *Date:* 02/16/48 *From:* N/A. *To:* Chairman, Chemical Corps Technical Committee. *Re:* Establishment of Project 4-12-01-01, Selection and Military Use of Radioactive Materials as Toxic Agents. *Contents:* Approval memo for the establishment of the Chemical Corps RW program, to be classified Secret, Restricted Data. The only approval still needed is that of GSUSA [General Staff, U.S. Army]

**DOD-010395-C-1** Correspondence; 8 documents, 18 pages.; Reports. *Source:* Department of Defense. *Date:* 10/14/47 *From:* Vannevar Bush. *To:* Chief, AFSWP. *Re:* Military Application of Radioactive Materials. *Contents:* This document records Bush's approval, as Chair of the JRDB, of a joint DOD/AEC study on RW. It includes a number of attachments: 1. J.B. Conant, Committee on Atomic Energy to JRDB, 7/30/47 on Military Application of Radioactive Materials, expressing skepticism about RW but approving further study.2. Alden H. Waitt, Chief, Chemical Corps to Director, Research and Development Division, War Department, 2/7/47 recommending study of use of fission products as offensive weapons.3. Project: Radioactive Materials for Military Purposes, proposal from Chemical Corps attached to previous memo. Cites Smyth report: "the fission products produced in one day's run of a 100,000 kw chain-reacting pile might be sufficient to make a large area uninhabitable." 4. K. D. Nichols, Acting Deputy General Manager, Corps of Engineers to Chairman, Military Liaison Committee, 1/24/47 re Military Application of Fission Products, endorsing proposal by Joseph Hamilton for "comprehensive attack" on RW.5. Joseph G. Hamilton to Col. K. D. Nichols, 12/31/46, cover letter. 6. Joseph G. Hamilton to Col. K. D. Nichols, 12/31/46, Radioactive Warfare. Discusses the range of uses and effects of RW agents through inhalation, ingestion, or external exposure; effects of weathering on distribution of wide area contamination; shielding and protection; use against cities; contamination of water supplies. Recommends "thorough evaluation and understanding of the full potentiality" of RW agents.7. R. Overstreet and L.

Jacobson to Joseph Hamilton, 11/11/46 re Potentialities of Radioactive Warfare. Discusses contamination of soil and absorption by plants.

**DOD-010395-C-2** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (DNA1.941227, WNRC and NARA: DASA 82152, DNA1.941227.005. *Date:* 04/11/62 *From:* Gerald W. Johnson, Assistant to Secretary of Defense for Atomic Energy. *To:* Chief, DASA; Chairman, JCS. *Re:* Test Program for Evaluation of Storage, Handling and Transportation Criteria for Plutonium Bearing Weapons. *Contents:* Cites 2/20/62 letter from Chairman MLC to Chairman AEC recommending additional "non-nuclear yield instrumented biological test." U.K was invited to participated because of "rather long standing US-UK differences on the matter of storage criteria." Cites 4/19/62 letter of approval from AEC Chairman Seaborg. This memo proposes a test series "with full utilization of H.E. and tracer techniques [culminating] in a one point detonation test."

**DOD-010395-C-3** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (DNA1.941227, WNRC and NARA: DASA 82152, DNA1.941227.004. *Date:* 06/01/62 *From:* Gerald W. Johnson, Assistant to Secretary of Defense for Atomic Energy. *To:* Lord Solly Zuckerman, U.K. government. *Re:* Planning for Operation Roller Coaster. *Contents:* Invites UK participation in upcoming tests "to assess the biological hazard resulting from plutonium scattered by an accidental non-nuclear explosion of a nuclear weapon and evaluate the scavenging effectiveness of various typical storage configurations." Encloses preliminary plans and proposes meeting week of 6/25/62.

**DOD-012295-A-1** Correspondence; 1 document, 2 pages. *Source:* DOD, WNRC ARchives (RG 112: Acc # 69A-0127, Box 5, 4-1-02, Human Volunteers. *Date:* 04/25/52 *From:* L.M. Harff, Chief, Contract Insurane Branch. *To:* Memorandum for File. *Re:* Research and DEvelopment Contracts - Medical Investigations.

**DOD-012295-A-2** Correspondence; 5 documents, 7 pages. *Source:* Department of Defense. *Date:* 01/14/55 *From:* Paul O. Wells, Cheif, Radiological Services, Letterman. *To:* Elmer A. Lodmell, Chief, Radiological Services, Walter Reed. *Re:* permit forms for radioisotope therapy.

**DOD-012295-A-3** Correspondence. *Source:* Department of Defense. *Date:* 08/03/55 *From:* Eugene L. Hamilton, Chief, Medical Statistics Division. *To:* Chief, Medical Plans and Operations Division & Chief, Legal Office. *Re:* Permit for Radiosotope Therapy.

**DOD-012295-A-4** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* *From:* Eugene L. Hamilton, Chief, Medical Statistics Division, Army. *To:* Chief, Professional Division, CHief, Medical Plans and Operations Division, & Chief, Legal Office. *Re:* Forms for Authorization of Radioisotope Therapy.

**DOD-020695-B-1** Experiment Records; 1 document, 1 page. *Source:* Department of Defense. *Date:* 08/01/54 *From:* N/A. *To:* N/A. *Re:* Standard Form 522; Authorization for Administration of Anesthesia and for Performance of Operations and other Procedures.

**DOD-020695-B-2** Experiment Records; 1 document, 1 page. *Source:* Department of Defense. *Date:* 11/08/60 *From:* N/A. *To:* N/A. *Re:* Consent to Drastic Radiation Therapy; U.S. Naval Hospital, National Naval Medical Center. Consent form (redacted)

**DOD-020995-A-1** Correspondence; 1 document, 1 page. *Source:* Department of Defense. *Date:* 01/23/51 *From:* Everett Evans. *To:* W.T. Sanger. *Re:* No title. Discussion of the placement of radiation experiments as classified due to press pressure

**DOD-020995-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 01/25/51 *From:* John Wood. *To:* Everett Evans. *Re:* No title. Provision that all radiation experiments would be restricted

**DOD-021095-A-1** Correspondence; 4 documents, 10 pages. *Source:* Department of Defense (DNA1.950203: RG 374/18; Box 3, f32. *Date:* 05/15/48 *From:* RW Study Group. *To:* N/A. *Re:* Military Application of Radioactive Materials. *Contents:* summary of work from 1948

**DOD-021095-A-2** Meetings; 1 document, 6 pages. *Source:* Department of Defense (DNA1.950203: RG374/18 Box 4, f42. *Date:* 02/18/48 *From:* AFSWP. *To:* N/A. *Re:* Minutes of Mtg of RW Study Group.

**DOD-021095-A-3** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (DNA1.950203: RG374/18; Box 2). *Date:* 03/22/48 *From:* David Lilienthal. *To:* LH Brereton. *Re:* report of views on RW. *Contents:* quoting Oppenheimer's report of GAC views on RW and Shields Warren's report on ACBM views

**DOD-021095-A-4** Correspondence; 2 documents, 5 pages. *Source:* Department of Defense (DNA1.950203: RG374/18, Box 3, f35. *Date:* 05/19/48 *From:* WM Manning, Austin Brues. *To:* N/A. *Re:* Defensive Considerations. *Contents:* 2 docs on various considerations to be taken into account in RW

**DOD-021095-A-5** Correspondence; 1 document, 4 pages. *Source:* Department of Defense (DNA1.950203: RG374/18 Box 2, f30. *Date:* 06/10/48 *From:* N/A. *To:* N/A. *Re:* Scale test for determination of radioactive requirements in RW. *Contents:* memo on personnel and logistics of performing a scale test

## *Appendix E*

**DOD-021095-A-6** Correspondence; 1 document, 3 pages. *Source:* Department of Defense (DNA1.950203: RG374/18 Box 2, f30. *Date:* 07/07/48 *From:* H Scoville. *To:* John Hinds. *Re:* Extensive Field Tests for RW. *Contents:* outlines what info needs to be gathered before doing scale test

**DOD-021095-A-7** Reports; 1 document, 5 pages. *Source:* Department of Defense (DNA1.950203: RG 374/18, f5. *Date:* 08/12/48 *From:* H Scoville. *To:* N/A. *Re:* RW--Proposed Program--AFSWP. *Contents:* outline of breakdown of defense considerations and methods for military use

**DOD-021095-A-8** Correspondence; 1 document, 1 page. *Source:* Department of Defense (DNA1.950203: RG374/18, Box 1, f8. *Date:* 04/01/49 *From:* James Cooney. *To:* Gen McCormack. *Re:* RW--Joint Panel status report of 1/10/49. *Contents:* comments on Noyes Panel recommendations

**DOD-021095-A-9** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (DNA1.950203: RG374/18, box 1, f5. *Date:* 03/24/49 *From:* H Scoville. *To:* WA Noyes. *Re:* Recent Developments in RW Field. *Contents:* updates on various programs, tests

**DOD-021095-A-10** Reports; 1 document, 22 pages. *Source:* Department of Defense (DNA1.950203: RG374/18, Box 2, f26. *Date:* 04/12/49 *From:* DMA. *To:* N/A. *Re:* RW Program. *Contents:* report to consider 1/10/49 Noyes report

**DOD-021095-A-11** Correspondence; 1 document, 2 pages. *Source:* Department of Defense (DNA1.950203: RG374/18, box 2, f11. *Date:* 04/19/49 *From:* James McCormack. *To:* KD Nichols. *Re:* DMA and RW. *Contents:* letter

**DOD-021095-A-12** Correspondence; 1 document, 3 pages. *Source:* Department of Defense. *Date:* 04/26/49 *From:* H Scoville, Milton Wilson. *To:* Hinds. *Re:* Suggested Personnel for Panl to Inspect Field Test Sites. *Contents:* list

**DOD-021095-A-13** Reports; 1 document, 4 pages. *Source:* Department of Defense (DNA1.950203: RG 374/18, box 1). *Date:* 05/12/49 *From:* MLC. *To:* N/A. *Re:* Annual Report--RW.

**DOD-021095-A-14** Correspondence; 1 document, 4 pages. *Source:* Department of Defense (DNA1.950203: RG374/18 Box 3, f38. *Date:* 08/11/49 *From:* Kurt Landon, AFSWP. *To:* CC Noble. *Re:* AEC-NME Panel Mtg. *Contents:* Agenda, assumptions

**DOD-021095-A-15** Reports; 2 documents, 10 pages. *Source:* Department of Defense (DNA1.950203: RG374/18 Box 2 , f20. *Date:* 09/27/50 *From:* George Smith. *To:* AFSWP. *Re:* Report on Participation by AFSWP Personnel in RW Tests at DPG in 8-9/50.

**DOD-021095-A-16** Correspondence; 1 document, 1 page. *Source:* Department of Defense (DNA1.950203: RG374/18 Box 2, f30. *Date:* 03/02/51 *From:* H Scoville. *To:* AFSWP. *Re:* Radioactive Agents for RW Field Tests.

**DOD-021095-A-17** Correspondence; 2 documents, 5 pages. *Source:* Department of Defense. *Date:* 04/23/52 *From:* Gibson. *To:* AFSWP. *Re:* Tech Study Group to Review Tech Aspects of RW. *Contents:* 2 memos

**DOD-021095-A-18** Correspondence; 1 document, 1 page. *Source:* Department of Defense (DNA1.950203: RG374/18 Box 1, f2. *Date:* 05/23/52 *From:* H Loper. *To:* WA Noyes. *Re:* study group chair. *Contents:*

**DOD-021095-A-19** Correspondence; 2 documents, 2 pages. *Source:* Department of Defense (DNA1.950203: RG 374/18 Box 1, f2. *Date:* 06/02/52 *From:* Herbert Loper. *To:* William Bale. *Re:* panel membership.

**DOD-021095-A-20** Correspondence; 2 documents, 3 pages. *Source:* Department of Defense (DNA1.950203: RG 374/18 Box 1, f2. *Date:* 06/03/52 *From:* Herbert Loper. *To:* RW Cook. *Re:* preparation for worthiness panel.

**DOD-021095-A-21** Correspondence; 3 documents, 8 pages. *Source:* Department of Defense (DNA1.950203: RG 374/18 box 1, f2. *Date:* 06/02/52 *From:* Herb Loper. *To:* WA Noyes. *Re:* Panel coverage. *Contents:* final and drafts of letter

**DOD-021095-A-22** Correspondence; 4 documents, 4 pages. *Source:* Department of Defense (DNA1.950203: RG 374/18 box 1, f2. *Date:* 07/03/52 *From:* Herb Loper. *To:* HA Blair. *Re:* panel membership. *Contents:* letter, draft, and reply

**DOD-021095-A-23** Meetings; 1 document, 2 pages. *Source:* Department of Defense (DNA1.950203: RG374/18 Box 1, f2. *Date:* 08/07/52 *From:* N/A. *To:* N/A. *Re:* Agenda for study group mtg.

**DOD-021095-A-24** Reports; 1 document, 4 pages. *Source:* Department of Defense (DNA1.950203: RG 374/18 Box 1). *Date:* 07/17/52 *From:* William Bale, Henry Blair. *To:* N/A. *Re:* Degree of Injury Produced by Various Radiation Doses.

**DOD-021095-A-25** Reports; 1 document, 5 pages. *Source:* Department of Defense (DNA1.950203: RG374/18, box 3, f31. *Date:* 08/01/52 *From:* N/A. *To:* N/A. *Re:* Medical and Toxicological Problems of RW. *Contents:* outline

**DOD-021795-A-1** Meetings; 8 documents, 18 pages. *Source:* Department of Defense. *Date:* 09/13/48 *From:* K. D. Nichols. *To:* CAE/RDB/DOD. *Re:* Conduct of Research and Development in Radiological Warfare. *Contents:* These documents describe the organization of RW efforts in DOD and responds to the recommendations of the Noyes Panel [probably the second meeting 8/29/48]. The Committee on Atomic Energy generally approved the recommendations, but referred some to the Military Liaison Committee. Recommendation 14 concerned classification (but the documents don't indicate what it said).

**DOD-021795-A-2** Reports; 1 document, 2 pages. *Source:* Department of Defense (OSD1.950209: RG 330 Accession 61A-1739 Box 5, CAE/RDB Agenda and Minutes. *Date:* 01/19/50 *From:* H. B. Loper. *To:* CAE/RDB. *Re:* AEC

Review of 9 October 1949 RW Status Report of the Joint AEC-DOD Panel on RW. *Contents:* Responding to Noyes Panel recommendations, AEC preparing cost study for tantalum, protactinium, and fission product agent production. Recommends continuation of research program on biological effects. Awaits DOD recommendation on whether to conduct feasibility studies on fission product separation. Notes requirement for neutron source. States that AEC will consider RW needs in research on separation. Agrees that AEC and DOD should meet to produce a public release of information on RW defense.

**DOD-021795-A-3** Reports; 4 documents, 11 pages. *Source:* Department of Defense (OSD1.950209: RG 330 Accession 61A-1739 Box 5, CAE/RDB Agenda and Minutes. *Date:* 12/13/48 *From:* Col. J. H. Hinds. *To:* CAE/RDB. *Re:* Radiological Decontamination. *Contents:* Discusses organization and planned work of radiological decontamination subcommittee of radiation protection committee, formed in response to findings at Operation Crossroads.

**DOD-022295-B-1** Correspondence; 1 document, 9 pages. *Source:* Department of Defense. *Date:* 06/30/53 *From:* John C. Oakes. *To:* Chief Chemical Officer The Surgeon General. *Re:* Use of Volunteers In Research.

**DOD-030195-B-1** Correspondence; 1 document, 1 page. *Source:* Department of Defense (RCC1.950223: .001). *Date:* 03/14/55 *From:* F. J. Collins. *To:* Commanding Officer Army Chemical Center, Maryland. *Re:* Use of Volunteers in Research.

**DOD-030195-B-2** Reports; 1 document, 6 pages. *Source:* Department of Defense (RCC1.90223: .002 and .003). *Date:* 04/06/54 *From:* Herbert G. Fredericks for Col. Elmer J Collins . *To:* N/A. *Re:* Research and Development - Use of Volunteers.

**DOD-030195-B-3** Correspondence; 4 documents, 10 pages. *Source:* Department of Defense (RCC1.90223: .008). *Date:* 04/18/57; 10/17/57 *From:* A.C. Hamilton Lt. Col. of US Army Chemical Warfare Laboratories. *To:* Commanding officer of US Army Chemical Center, MD. *Re:* Use of Volunteers in Research. *Contents:* 1. the above *Re:* request for opinion on the use of volunteers under the age of 21. The previous policy required parental consent for under 21 year olds. 10/17/57 2. Reply to the above memo stating there is no legal restriction. 10/29/57. From Marjorie P. McCown.3. Memo: to all chemical officers from William M. Creasy, *Re:* "Chemical Corps has an urgent need for volunteers to participate in medical research investigations which are being conducted as a part of the program of the Chemical Warfare Laboratories.4. Memo: to Commanding Generals ZI Armies, from Herbert M. Jones 10/16/57, *Re:* demands that at least 30 volunteers be sent to the chemical Warfare Laboratories every month by ZI commanders, also gives brief sketch of the duties, rights, and purpose of the volunteers.

**DOD-030895-F-1** Correspondence; 2 documents, 4 pages. *Source:* Department of Defense (DNA1.950224: RG374/18 box 1, f5. *Date:* 05/11/49 *From:* William Stone. *To:* Herbert Scoville. *Re:* RW production study. *Contents:* letter, report summary

**DOD-030895-F-2** Correspondence; 2 documents, 7 pages.; Reports. *Source:* Department of Defense (DNA1.950224: RG 374/18 box 4, f42. *Date:* 02/28/49 *From:* William Stone. *To:* Chief, R&E Div. *Re:* Conference and Briefing for RW Field Test Site Survey.

**DOD-030895-F-3** Correspondence; 1 document, 5 pages. *Source:* Department of Defense (DNA1.950224: RG374/18 box 1). *Date:* 06/24/53 *From:* William Creasy. *To:* Chief Chem Officer, Army. *Re:* Minimum Fund Requirements . *Contents:* response to letter

**DOD-030895-F-4** Reports; 2 documents, 9 pages. *Source:* Department of Defense (DNA1.950224: RG374/18 box 1, f1. *Date:* 05/23/51 *From:* Oglesby. *To:* AFSWP. *Re:* Funds for Dissemination of RW Agents.

**DOD-030895-F-5** Reports; 1 document, 22 pages. *Source:* Department of Defense (DNA1.950224: RG 374/18 box 1, f2. *Date:* 01/01/53 *From:* Morris Shoss, Chem Corps. *To:* Joint Study Group on RW. *Re:* Paper on RW Countermeasures.

**DOD-032895-A-1** Meetings; 1 document, 15 pages. *Source:* Department of Defense. *Date:* 01/10/49 *From:* Joint AEC-NME RW Panel. *To:* N/A. *Re:* MInutes--Third Meeting of Joint Panel.

**DOD-032895-A-2** Meetings; 1 document, 30 pages. *Source:* Department of Defense. *Date:* 10/09/49 *From:* Joint AEC-NME RW Panel. *To:* N/A. *Re:* Minutes--Fourth Meeting--RW Panel.

**DOD-042595-A-1** Correspondence; 1 document, 2 pages. *Source:* Department of Defense. *Date:* 01/13/53 *From:* Melvin Casberg. *To:* the Secretary of Defense. *Re:* Digest "Use of Human VOlunteers in Experimental Research".

**DOE-042894-C-1** 1 document, 19 pages. *Source:* Department of Energy. *Date:* 11/24/93 *From:* N/A. *To:* N/A. *Re:* Nuclear Health and Safety: Examples of Post World War II Radiation Releases at U.S. Nuclear Sites.

**DOE-050394-A-1** 1 document, 60 pages. *Source:* Department of Energy. *Date:* 01/01/54 *From:* Robert D. Little. *To:* N/A. *Re:* Building An Atomic Air Force, 1949-1953.

**DOE-050394-A-3** Reports; 1 document, 9 pages. *Source:* Department of Energy. *Date:* 03/01/74 *From:* J. D. Anderson. *To:* N/A. *Re:* Emitted and Decayed Values of Radionuclides in Gaseous Wastes Discharged to the Atmosphere from the Separation Facilities Through Calendar Year 1972. *Contents:* A preliminary summary of releases of plutonium,

uranium, I-131, and other beta emitters from 1944-72. Includes a list of 13 unclassified references on radioactive emissions and environmental radioactivity at Hanford, 1957-70, with one document from 1951.

**DOE-050394-A-4** Reports; 1 document, 29 pages. *Source:* Department of Energy (Richland Public Reading Room: Hanford Historical Collection, HW-15550-E-DEL. *Date:* 01/06/50 *From:* H. M. Parker. *To:* N/A. *Re:* Health Instruments Divisions Report for Month of December, 1949. *Contents:* From the Summary: " The 'special dissolving' resulted in greater contamination spread than had been anticipated. Air and vegetation samples collected by Development Division personnel defined the resulting pattern and magnitude of I-131 deposition." "In biological monitoring, specimens collected during the month showed thyroid activities ranging from 1 to 300 microcuries/kg. -- the latter represents about 80 times the maximum permissible limit of permanently maintained radioiodine concentration. This resulted from the high deposition of I-131 in the special dissolving, and is a temporary condition." From p. 3: "Widespread contamination by I-131 occurred as a result of a specially requested dissolving at short cooling time. The prediction that this could be accomplished once with negligible risk to personnel was supported by the experimental observations. However, the resultant activity came close enough to significant levels, and its distribution differed enough from simple meteorological predictions that the H.I. Divisions would resist a proposed repetition of the test." There is some interesting information on occupational exposures and film badges. From p. 11: "In the T Plant, a maximum dosage rate of 500 mr/hr at 2 inches from the sand filter inlet duct, was reported the day following the special dissolving (December 3, 1949). At month end the reading at this point was back to the normal level of about 30 mr/hr. From p. 12: "In the T Plant, a special run was dissolved the night of December 2-3, 1949. Air samples taken on the roofs of the 271-T and 224-T Buildings during this period showed a maximum concentration of 1.3 x 10-6 microcuries f[ission] p[roducts]/l and below 1 x 10-11 micrograms Pu/cc. No increase in activity was found in building air filter samples. Ground contamination was general and numerous positive shoe counts were obtained with a maximum of 78 registers in 24 seconds reported. An announcement was prepared by 'S' Division and H.I. to explain to personnel in the 100 Areas the nature, extent and reason for this increase in contamination." From p. 19: "The number of routine samples processed this month was curtailed to allow full coverage of the "green run." "On the night of December 2, 1949, one ton of metal with 16 days cooling was dissolved in the 200 West Area. At the time of the fun Site Survey measured I-131 air concentrations as high as 3 x 10-6 microcuries/liter averaged over a 24 hour period in the areas and 3.4 x 10-8 microcuries/liter over a four day period at Benton City. The cloud apparently blew back over the area the day after the run since scrubbers started on the 3rd at Benton City and Richland showed more activity than on operating during the run. Pans of water at various locations near the areas picked up as much as 90 microcuries of I-131 on a one square foot area of water." "1,365 vegetation samples were taken in an area extending from Klamath Falls to Kettle Falls and from Lewiston, Idaho to Portland, Oregon. . . ." [lists rates of .1 - 28 microcuries/kg in various locations] "For comparison, the permissible permanent concentration on vegetation is taken as .01 microcuries/kg. Where the concentration is not maintained, the initial permissible limit is at least 12.5 times higher, and is more probably about 50 times higher. The observed deposition is higher than was anticipated. The direct hazard to man depends on the atmospheric concentration, and this remained at acceptable levels." The report also has a section on the Biology Division, including the Aquatic Biology Group. The latter was conducting projects on 1. Effect of Pile Effluent on Aquatic Life, 2. Biological Chains, and 3. Radiobiological Survey of the Columbia River. The Botany Group had a project 3. Translocation of Radioelements in Plants. The Zoology Group was conducting studies 1. Toxicology of I-131 (at the Experimental Animal Farm) and 2. Biological Monitoring (of I-131 in animal thyroids).

**DOE-050394-A-5** Reports; 1 document, 31 pages. *Source:* Department of Energy. *Date:* 01/09/50 *From:* W. Singlevich. *To:* N/A. *Re:* H.I. Environs Report for the Month of December 1949. *Contents:* From the Abstract: "Inreases approaching a factor of 300 over last monthwere experienced in the deposited I-131 on vegetation at certain locations resulting from the I-131 discharged during the disolving of the green metal. Data for measurements in air and on the ground just before the "green run" and after the "green run" are reviewed in detail." From p. 4: "the Site Survey covered about 16,000 motor miles to make a total of about two thousnand measurements and samples."

**DOE-050394-A-6** Reports; 1 document, 67 pages. *Source:* Department of Energy. *Date:* 03/02/50 *From:* H. J. Paas and W. Singlevich. *To:* N/A. *Re:* Radioactive Contamination in the Environs of the Hanford Works for the Period October, November, December, 1949. *Contents:* The report appears to provide the most detailed and comprehensive environmental data for the Green Run. It has sections on meteorological data, radioactive contamination on vegetation, airborne contamination and air radiation levels, radioactive contamination in Hanford Wastes, radioactive contamination in the Columbia and Yakima Rivers, beta activity in rain and show, and radioactive contamination in drinking water and test wells.

**DOE-050394-A-7** Reports; 1 document, 8 pages. *Source:* Department of Energy. *Date:* 04/01/58 *From:* R. E. Roberts. *To:* R. E. Tomlinson. *Re:* History of Airborne Contamination. *Contents:* This report deals with radiation hazards from

releases of hot particles, including ruthenium, I-131, and plutonium, and the associated protective measures. It contains tables of emissions of I-131 and ruthenium for the years 1946-57 and 1952-57, respectively.

**DOE-050394-A-8** Reports; 1 document, 18 pages. *Source:* Department of Energy (Hanford: Hanford Historical Collection, HW-3-3003. *Date:* 08/02/45 *From:* J. L. Dreher. *To:* M. F. Ackew and S. G. Thompson. *Re:* Memorandum Report -- SE-PC-74: The Evolution of Iodine During Metal Dissolution. *Contents:* This report describes an investigation of the evolution (evaporation) of radioactive gases, principally radioactive xenon and iodine, during the dissolving of irradiated fuel elements at Hanford to extract plutonium. The introduction states that "During the dissolution . . . of uramium metal . . . radio-iodine [131] and radio-xenon [133] are liberated . . . . Since in the plant these gases are discharged into the atmosphere, the presence of the activities (particularly radio-iodine because of its greater chemical reactivity) presehts a physiological hazard. As a consequence, the cooling period . . . should be sufficiently long so that the activitues will have decreased through decay to the point where their concentrations in the atmosphere will not exceed 2.5 x 10-13 curies/cc and 5 x 10-11 curies/cc for radio-iodine and radio-xenon, respectively." The footnote cites CE-690 and CH-504 as sources for these tolerance concentrations. The analysis describes the amount of I-131 remaining in the processed materials at various stages of processing. Except for the statement that under laboratory conditions -- not operational conditions -- 70% - 90% of the iodine was removed by reflux from the off-gases, it appears that almost all the iodine was released into the atmosphere. The end of the report refers to notebooks HEW-138-T, HEW-86-T, and HEW-402-T for raw data and technical details, and to the following papers: 1) Dreher: "Required Wind Dilution for Reduction of Xe and I Activity to Tolerance Levels." September 29, 1944 (File No. 3-811); 2) Crane: "Processing History on Production Batches" (File No. 7-1538); 3) Beall and Adams: "205 Stack Gas Monitoring" (CE-2205);4) LaViolette: "Liquid Sample Pressure Chamger," Feb. 6, 1945 (File No. 3-1602); and 5) Glendenin: "The Interchange of Radioactive Iodine with Carrier; a Procedure for Qualitative Separation of Radioactive Iodine from Fission Material," (CC-2218).

**DOE-050394-A-9** Reports; 1 document, 16 pages. *Source:* Department of Energy (Hanford Historical Collection: Folder HW-14058, HW-7-4806. *Date:* 03/08/47 *From:* Phil E. Church and C.A. Gosline Jr. *To:* N/A. *Re:* Characteristics of Mixing and the Dilution of Waste Stack Gases in the Atmosphere. *Contents:* This paper describes the shape of the exhaust plume under various meteorological conditions. The greatest dilution occurred for unstable lapse rates ("looping"), and wind speed was also an important factor.

**DOE-050394-A-10** Reports; 1 document, 11 pages. *Source:* Department of Energy. *Date:* 01/27/50 *From:* M. B. Leboeuf. *To:* N/A. *Re:* Analysis of Vegetation for I-131. *Contents:* This report describes a new technique for analyzing the I-131 content of vegetation, sufficiently sensitive to monitor at 1/5 to 1/10 of the proposed new tolerance level of .009 microcuries/kg. It refers to two documents as sources for the statement that "one of the major hazards encountered with the disposal of the gases from the dissolution of metal is the deposition of I-131 on vegetation." 1. L. D. Turner, HW 3-5402, March 27, 1947. 2. W. Singlevich, HW 13743, June 22, 1949.

**DOE-050394-A-11** Experiment Records; 3 documents, 300 pages.; Reports. *Source:* Department of Energy. *Date:* 05/01/50 *From:* D. E. Jenne and J. W. Healy. *To:* N/A. *Re:* Dissolving of Twenty Day Metal at Hanford. *Contents:* Documents HW-17381-DEL and HW-17381-DEL Rev. 1 (the main document) describe the operational plans and their implementation for the Green Run, on December 2-3, 1949. Both have significant deletions, but the second contains five additional declassified passages. The third document, HW-17381 Notes contains technical data on the monitoring of the stack effluent, and is included for completeness. The five additional declassified passages are p. 2 J. W. Healy and W. Singlevich from the internal distribution list. p. 8, describing additional meteorological personnel and equipment assigned to the experiment pp. 12-13, describing the Atmospheric Conductivity Apparatus (the reference for this passage is classified -- even its title).p. 66 (in the discussion) which states "The weather conditions at the time chosen for this run were rather poor in that the atmosphere was unstable and the winds shifted badly."p. 71 (Acknowledgments) several names remain deleted but one (W. Singlevich) is restored. The main document is organized as follows: I Summary II Introduction III Equipment and Procedures IV Meteorology V Evolution Measurements VI Surface Atmospheric Readings VII Aircraft Measurements VIII Deposition IX Biological Monitoring X Discussion References and Figures The evolution measurements indicated the release of only 58 curies of iodine, which was believed to be incorrect and an indication of equipment failure. A number of high radiation readings were interpreted as indicating equipment contamination. One significant conclusion was that the operational plan should have included real-time monitoring of aircraft radiation readings, which would have allowed the aircraft to change course and track the cloud southward, where most of the ground deposition occurred. Finally: "During this run the aircraft surveyed an area in one day which took two weeks to cover by surface vehicles. The degree of accuracy was very close. Under the worst possible meteorological conditions for such a test, the airborne instruments detected the radioactive gases at a distance better than 100 miles from the stack. Under favorable conditions, it was estimated that with the same concentrations this distance could have been increased by up to a factor of ten." With two exceptions the references are meteorological publications and other reports from the Hanford Reading Room

collection. The exceptions are reference 1, which remains classified except for the number, and reference 7, P-3339, G. K. Jense, F. M. Zettler, and F. M. Gager, 8/25/48. A further declassified version is included from the later accession DOD-121494-C . The additional declassified material refers to 1) earlier air sampling activities at Oak Ridge and Hanford (see document DOE-122194-B-1 ); 2) a planning meeting between the Air Force, the AEC, and General Electric (the Hanford Contractor) on November 1, 1949.3) bringing in an additional weather forecaster from Spokane AFB;4) changing weather conditions that brought the plume in contact with the surface; 5) initial detection with the conductivity meter at 10AM in Richland; 6) fixed air filters operating at Spokane; and 7) discussion of comparison of theoretical calculations by Sutton (references 3-6) with measurements under different weather conditions.

**DOE-050694-B-1** Reports; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 08/01/92 *From:* Technical Steering Panel. *To:* N/A. *Re:* Gaining Public Access to hanford Documents. *Contents:* This fact sheet describes the volume of records at Hanford -- over 40,000 boxes, classified and unclassified -- and the efforts the TSP has made to review and declassify those materials.

**DOE-050694-B-2** Publications; 2 documents, 16 pages.; Reports. *Source:* Department of Energy. *Date:* 07/12/90 *From:* Technical Steering Panel. *To:* N/A. *Re:* Initial Hanford Radiation Dose Estimates. *Contents:* This preliminary estimate of exposures from atmospheric iodine releases and radioactive effluent in the Columbia River concludes that the highest risk was from uptake of iodine-131 through the milk pathway, from cows that grazed on pastures downwind of Hanford. At highest risk were roughly 1400 infants and children, who received thyroid doses estimated at between 15 and 650 rad, with a median of 70 rad.

**DOE-050694-B-3** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 02/01/90 *From:* Technical Steering Panel. *To:* N/A. *Re:* Hanford Dose Reconstruction Project: Finding the Facts About People at Risk. *Contents:* This report describes the preliminary research plan of the Technical Steering Panel.

**DOE-050694-B-4** 2 documents. *Source:* Department of Energy. *Date:* 04/21/94; 04/12/94 *From:* N/A. *To:* N/A. *Re:* Radiation Dose Estimates From Hanford Radioactive Material Releases To the Air and the Columbia River. *Contents:* 2. Atmospheric Pathway Dosimetry Report 1944-1992

**DOE-051094-A-1** Meetings. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707036. *Date:* 06/29/48 *From:* J. H. Roberson. *To:* K. Z. Morgan. *Re:* Radiological Warfare Program.

**DOE-051094-A-2** Meetings. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707757. *Date:* 09/01/66 *From:* ORAU/ORNL Committee On Human Studies. *To:* N/A. *Re:* ORAU/ORNL,Committe On Human Studies Minutes. *Contents:* Includes report of meeting to consider establishment of committee. Collection of Minutes and Committee decisions. Total Body Irradiation projects; consent forms. Bios of committee members. 1/13/72 Project approved on basis that irradiation had already been done. Also discusses the Slaga investigation (10/80) & Rosenberg article/Sexton lawsuit (10/81, 4/82, 10/82), FDA Audit of Committee (1/90)

**DOE-051094-A-3** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0001818-0001820: Box 1). *Date:* 05/07/47 *From:* David Lilienthal. *To:* Alan Gregg. *Re:* Board of Review To Advise Commission.

**DOE-051094-A-4** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.)Bate #'s 0002316-0002317: 70388, Box 1. *Date:* 04/23/69 *From:* Patricia Durban. *To:* jOhn Howard. *Re:* Request For Medical Files. *Contents:* Request For Medical Files

**DOE-051094-A-5** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.)Bate #'s 0002321 - 0002322: Box 1, 700392. *Date:* 08/25/69 *From:* Pat Durbin. *To:* David Bruner. *Re:* Inquiry Into Durbin's 1972 Article.

**DOE-051094-A-6** Correspondence; Correspondence; 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.)Bate #'s 0002616 - 0002618: Box 1, 700571. *Date:* 05/20/74 *From:* Mary Waston, Donald Bellamy, Ray Mullen, B. V. Low-Beer. *To:* James Liverman. *Re:* Statement Of Disclosure To GAL-3.

**DOE-051094-A-7** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.)Bate #'s 0002987 - 0002992: Box 1, 700738. *Date:* 11/29/74 *From:* Giles Loftan. *To:* Jon Anderson. *Re:* Division Of Biomedical and Environmental Research, H. Q. Request To Locate Unidentified Subject Known As Chicago III.

**DOE-051094-A-8** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.)Bate #'s 0001556 - 0001561: Box 1, 6073. *Date:* 12/05/45 *From:* Robert Fink. *To:* H. L. Friedell. *Re:* Metabolism Of Polonium In Rats.

## *Sources and Documentation*

**DOE-051094-A-9** Correspondence, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0001418 - 0001427: Box 1, 700130. *Date:* 06/20/46 *From:* E. R. Russell. *To:* J. J. Nickson. *Re:* Monthly Summary For Biochemical Survey Section.

**DOE-051094-A-10** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0000190 - 0000191: Box 1, 700051. *Date:* 04/17/74 *From:* John Eilewire. *To:* James Liverman, Jon Anderson. *Re:* Inquiry Reporting For Study of Pu In Man Inhaled During WWII.

**DOE-051094-A-11** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0001734: Box 1, 700180. *Date:* 03/26/45 *From:* J. R. Oppenheimer. *To:* S. Warren. *Re:* Discusses Danger Of Site Y.

**DOE-051094-A-12** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0007662: Box 2, 701536. *Date:* 12/09/53 *From:* Wright Langham. *To:* Marvin Van Dilla. *Re:* Absorption of Plutonium In Humans.

**DOE-051094-A-13** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0007675 & 0007677, 0007679, 0007681-0007682: Box 2, 701541, 701544. *Date:* 12/01/45 *From:* Ralph Steinhardt. *To:* Capt. Ross. *Re:* Checking of Personnel Bayo Canyon. *Contents:* Memo concerning Checking of Personnel in Bayo Canyon, 12/4/44 Memo concerning Allowable Limits of Air Contamination In the RA-LA Experiment, 1/6/45 Memo concerning Status of Conditions In Bayo Canyon, 1/16/45Memo concerning Safety Requirements At Bayo Canyon, 2/3/45

**DOE-051094-A-14** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate # 0007698: Box 2, 701551. *Date:* 07/27/59 *From:* T. L. Shipman. *To:* N. E. Bradbury. *Re:* Trailer Park On South Mesa.

**DOE-051094-A-15** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0007647, 0007595 - 0007598, 0007648: Box 2, 701528. *Date:* 09/10/48 *From:* Hempelmann, Froman, Whipple. *To:* N/A. *Re:* Bayo Creek Canyon, Pueblo Creek, Los Alamos Creek. *Contents:* - Memo to Froman from H. Whipple, L. Hempelmann regarding Bayo Canyon Procedures, 9/10/48 - Report On the Contamination of Creek Water, 10/15/45- Memo to David Dow from L. Hempelmann regarding, Safety of Radiolanthanum experiment In Bayo Canyon, 6/29/44

**DOE-051094-A-16** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.)Bate #'s 0007638 - 0007646: Box 2, 701527. *Date:* 06/05/44 *From:* Hempelmann. *To:* Chadwick. *Re:* Experiments Dealing With Biological Effects of Radiation.

**DOE-051094-A-17** Correspondence, 21 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0007509-0007514, 0007517-0007522, 0007525-0007526, 0007536-0007538-0007543 : Box 2, 701490. *Date:* 05/12/44; 02/15/46 *From:* L. H. Hempelmann. *To:* N/A. *Re:* Health Hazards Related To Plutonium. *Contents:* - Inter-Office Memo *Re:* Danger To Personnel From Inhaled or Ingested Plutonium, Pgs. 2 - Memo *Re:* Health Hazard Related To Plutonium, Pgs. 2-Memo *Re:* Effects of Toxic Agents, 4/12/44, Pgs. 2-Memo Response to Memo of 8/16/44, Pgs. 1 - Memo *Re:* Development of Methods of Direction of Plutonium In the Excreta & In the Lung, 8/23/44, Pgs. 2 -Memo *Re:* Summary of Biological Research Program, 8/29/44, Pgs. 2-Memo *Re:* Advisory Committee for Medical Research Program, 8/29/44, Pgs. 1 -Memo *Re:* Outline for Research Program, 9/2/44, Pgs. 2-Memo *Re:* Medical Research of Manhattan District Concerned With Plutonium, 3/15/45, Pgs. 1 (IMPORTANT) (IMPORTANT) (IMPORTANT) Memo *Re:* Meeting of Chemistry Division & Medical Group, 3/26/45, Pgs. 1 Letter *Re:* Transmittal of Record of Discussions Held From Visit With Colonel Freidell, 3/29/45, Pgs.1 Memo *Re:* Radiation Health Hazards, 7/13/45, Pgs. 1 (GOOD) (GOOD) (GOOD) Proposed Standards: Health Protection of Plutonium Workers, 2/15/46, Pgs. 2 DOE-051094-A-18 Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0008747, 0008748: Box 3). *Date:* 06/22/84 *From:* Roy Thompson. *To:* Sid Marks. *Re:* Human Experimentation.

**DOE-051094-A-19** Correspondence, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0008734 - 0008738: Box 3). *Date:* 11/04/86 *From:* J. J. Sutey. *To:* James Robertson. *Re:* Congressional Inquiry Fate Follow-up Studies On Human Radiation Experimentation.

**DOE-051094-A-20** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0008895: Box 3, 701627. *Date:* 09/23/65 *From:* R. S. Paul. *To:* S. L. Fawatt. *Re:* Battelle - Northwest Human Experimentation Document.

**DOE-051094-A-21** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0008874 - 008875: Box 3, 701621. *Date:* 07/02/63

*From:* Well Warner. *To:* William Ruesch, Hanford. *Re:* Assistance To Dr. Paulsen - University of Washington Medical School.

**DOE-051094-A-22** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0002180: Box 5, 703428. *Date:* 12/31/58 *From:* John T. Conway. *To:* Mr. A. R. Luedecke. *Re:* Congenital Deformities - Nevada Test Series.

**DOE-051094-A-23** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0002231 - 0002247: Box 5, 703435. *Date:* 04/07/59 *From:* H. W. Allaire. *To:* John VanDerbeck. *Re:* Regarding Exposure To Radiation During Period of Employment At Nevada Test Site, Etc..

**DOE-051094-A-24** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 000253 - 0002257: Box 5, 703437. *Date:* 05/25/60 *From:* John C. Bugher. *To:* Mr. McCone. *Re:* Radiation Dose to the Population of the United States.

**DOE-051094-A-25** Correspondence. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.) Bate #'s 0002512, 0002513, 0002515: Box 15, 703469. *Date:* 11/13/53 *From:* Bernard R. Nebel. *To:* H. W. Schaffner. *Re:* Beryllium. *Contents:* Memo regarding Berylliosis, From Harriet L. Hardy To Robert Kehoe, 3/15/54, Pgs. 2 Letter of Appreciation For Visit, From Bernard R. Nebel To John Zielenski, 11/9/53, Pgs. 1

**DOE-051094-A-26** Correspondence. *Source:* Department of Energy. *Date:* 12/24/53 *From:* H.C. Brown. *To:* N/A. *Re:* Telephone Conversation With J. Morrison, OGC *Re:* Croll vs. The Brush Beryllium Company, Memo From H.C. Brown, 12/24/53. *Contents:* Telephone Conversation With J. Morrison, OGC *Re:* Croll vs. The Brush Beryllium Company, Memo From H.C. Brown, 12/24/53. -- Croll vs. the The Brush Beryllium Company, Letter From Virginia C. Duncombe To William Mitchell -- Petition, Common Pleas Court Of Ottawa County, Ohio.

**DOE-051094-A-27** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 5). *Date:* 04/26/74 *From:* Robert G. Sachs. *To:* Dr. James L. Liverman. *Re:* Concerning Patients Injected With Plutonium.

**DOE-051094-A-28** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 5, 703272. *Date:* 06/01/51 *From:* W. F. Dietrich. *To:* Dr. George E. Hardie. *Re:* Review of Literature On Health Hazards Of Beryllium and It's Compounds.

**DOE-051094-A-29** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 5, 703266. *Date:* 06/21/51 *From:* Dr. Harriet L. Hardy. *To:* Dr. A. O. Seeler. *Re:* Betty J. Livingstone An MIT Chemist Exposed to Berryllium.

**DOE-051094-A-30** 2 documents. *Source:* Department of Energy. *Date:* 01/21/58; 12/24/58 *From:* Mario Recassone. *To:* Senator Alan Bible. *Re:* Congenital Deformities In Babies Which May Be Due To Radioactive Fallout In Nevada. *Contents:* Congenital Deformities In Babies Which May Be Due To Radioactive Fallout In Nevada, Memorandum From A. Tammaro To C.L. Dunham, 1/21/58.-- Congenital Deformities In Babies Which May Be Due to Radioactive Fallout In Nevada, Letter From Mario Recassone To Senator Alan Bible, 12/24/58

**DOE-051094-A-31** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 5, 703262. *Date:* 12/31/58 *From:* John T. Conway. *To:* N/A. *Re:* Congenital Deformities Due to Nevada Weapons Test Series.

**DOE-051094-A-32** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 5, 703261. *Date:* 01/28/59 *From:* C. L. Dunham. *To:* James T. Raney. *Re:* Nevada Radiation Exposure.

**DOE-051094-A-33** Correspondence; 2 documents. *Source:* Department of Energy. *Date:* 03/27/59 *From:* N/A. *To:* N/A. *Re:* Concerns About Atomic Fall-out,. *Contents:* -- Concerns About Atomic Fall-out, From Walter Rodgers To John A. McCone, 3/31/59 -- Concerns About Atomic Fall-out, From Elsie Abernathy To Honorable Walter Rodgers, 3/27/59

**DOE-051094-A-34** 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #5; CIC #703255; BATES #0001153-0001154, 703255. *Date:* 12/26/50 *From:* Shields Warren. *To:* Dr. A.H. Lancaster. *Re:* Radiation Injury at Oak Ridge.

## *Sources and Documentation*

**DOE-051094-A-35** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC #703254; BATES #0001152, 703254. *Date:* 12/27/50 *From:* C.A. Wagner. *To:* Dr. George A. Hardie. *Re:* Beryllium Poisoning.

**DOE-051094-A-36** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC #703248; BATES # 0001140-0001142, 703248. *Date:* 11/25/49 *From:* Paul M. Green. *To:* Managers of Operations, Heads of Divisions, Washington. *Re:* Claims Submitted Under the War Claims Act of 1948. *Contents:* Claims Submitted Under the War Claims Submitted Under the War Claims Submitted Under the War Claims Act of 1948, Memorandum From Claims Act of 1948, Memorandum From Claims Act of 1948, Memorandum FromPaul M. Green To Paul M. Green To Paul M. Green To Managers of Operations, 11/25/49 Managers of Operations, 11/25/49 Managers of Operations, 11/25/49 Claims Submitted Under the War Claims Act of 1948, Claims Submitted Under the War Claims Act of 1948, Claims Submitted Under the War Claims Act of 1948, Memorandum From Memorandum From Memorandum FromFrank Pace To Heads Of Executive Frank Pace To Heads Of Executive Frank Pace To Heads Of Executive Departments, 11/7/59 Departments, 11/7/59 Departments, 11/7/59 Claims Submitted Under the War Claims Act of 1948, Claims Submitted Under the War Claims Act of 1948, Claims Submitted Under the War Claims Act of 1948, Memorandum From Memorandum From Memorandum FromJames E. Webb To Heads of Executive James E. Webb To Heads of Executive James E. Webb To Heads of Executive Departments, 10/11/48. Departments, 10/11/48. Departments, 10/11/48.

**DOE-051094-A-37** Correspondence; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC # 703029; BATES # 0000245-0000249, 703029. *Date:* 02/19/76 *From:* Al Alibrando. *To:* Jack King. *Re:* Plutonium Injections/write-up by Science Trends/Fact Sheet. *Contents:* Research For Science Trends Article, Letter From Gail BradshawResearch For Science Trends Article, Letter From Gail BradshawResearch For Science Trends Article, Letter From Gail Bradshaw To Jack King, 2/19/76 To Jack King, 2/19/76 To Jack King, 2/19/76 Fact Sheet On Manhattan Engineer District (MED) Plutonium Fact Sheet On Manhattan Engineer District (MED) Plutonium Fact Sheet On Manhattan Engineer District (MED) Plutonium Excretion Excretion ExcretionStudies. Studies. Studies.

**DOE-051094-A-38** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC # 703158; BATES #0000944-0000945, 703158. *Date:* 04/22/47 *From:* Stafford Warren. *To:* Carroll Wilson. *Re: Re:* Inquiries by former employees regarding illness related to radiation exposure.

**DOE-051094-A-39** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC # 703231; BATES #0001102-0001104, 703231. *Date:* 04/23/59 *From:* Charles L. Dunham. *To:* The Honorable Walter Rogers. *Re:* Fallout Levels.

**DOE-051094-A-40** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC #703220; BATES #0001063, 703220. *Date:* 05/10/55 *From:* James E. Reeves. *To:* Dr. JC Bugher. *Re:* Voluntary Termination of Olympic Commissary Company Employee --- Peter P. Guadagno.

**DOE-051094-A-41** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC #703222; BATES #0001065, 703222. *Date:* 03/16/55 *From:* Thomas Shipman. *To:* Dr. John Bugher. *Re:* Urine Specimen from Nevada Over-Exposure.

**DOE-051094-A-42** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC # 703223; Bates # 0001066, 703223. *Date:* 04/22/59 *From:* A.R. Luedecke. *To:* C. L. Dunham. *Re:* Planned Program for Releasing Information on Radioactive Fallout.

**DOE-051094-A-43** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC #703216; BATES # 0001053-0001054, 703216. *Date:* 08/01/55 *From:* Forest Western, Health Physicist. *To:* Dr. G.E. Roth. *Re:* Inquiry of Exposure to Personnel.

**DOE-051094-A-44** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; BATES # 0000965-0000968 ). *Date:* 07/29/49 *From:* Estes Kefauver. *To:* David Lilieuthal. *Re:* Enclosed a letter from O.W. McKenzie. i.e.: OakRidge Occupational injuries. *Contents:* Letter Regarding Situation At Oak Ridge, From Letter Regarding Situation At Oak Ridge, From Letter Regarding Situation At Oak Ridge, From Estes Kefauver to Estes Kefauver to Estes Kefauver to Honorable David Lilienhal, 7/29/49 Honorable David Lilienhal, 7/29/49 Honorable David

Lilienhal, 7/29/49Concerns About Atomic Bomb At Oak Ridge, From O.W.Concerns About Atomic Bomb At Oak Ridge, From O.W.Concerns About Atomic Bomb At Oak Ridge, From O.W. McKenzie To McKenzie To McKenzie To Senator Estes Kefauver, 7/23/49 Senator Estes Kefauver, 7/23/49 Senator Estes Kefauver, 7/23/49

**DOE-051094-A-45** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC # 703062; BATES # 0000369-0000377, 703062. *Date:* 12/01/73 *From:* Caspar Weinberger. *To:* Dr. Dixy Lee Ray. *Re:* Uniform comprehensive Federal Policy for the protection of human subjects.

**DOE-051094-A-46** Correspondence; 1 document, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC #703048; Bates # 0000315-0000320, 703048. *Date:* 06/12/74 *From:* Dixy Lee Ray. *To:* Gaylord Nelson. *Re:* AEC's Contribution in the development of drugs during the last 15 years. *Contents:* AEC's Contribution In The Development Of AEC's Contribution In The Development Of AEC's Contribution In The Development Of Drugs During the Last 15 Years, Letter From Dixie Lee Ray To Drugs During the Last 15 Years, Letter From Dixie Lee Ray To Drugs During the Last 15 Years, Letter From Dixie Lee Ray To Gaylord Nelson. Gaylord Nelson. Gaylord Nelson. Approved Pharmaceuticals. Approved Pharmaceuticals. Approved Pharmaceuticals.

**DOE-051094-A-47** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5; CIC # 703406; Bates # 002117-0002119, 703406. *Date:* 04/23/59 *From:* Charles Dunham. *To:* Walter Rogers. *Re:* Fallout Levels in the United States.

**DOE-051094-A-48** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703405. *Date:* 04/14/52 *From:* Charles Dunham. *To:* Evelyn Harris. *Re:* Occupational Exposure to Sun/Radiation.

**DOE-051094-A-49** Correspondence, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703328. *Date:* 05/25/60 *From:* John Bugher. *To:* Mr. Cone. *Re:* Fall - Out Exposures to the Population.

**DOE-051094-A-50** Correspondence; 3 documents, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703301. *Date:* 09/16/57 *From:* Sheldon S. Brownton. *To:* Dr. Charles Dunham. *Re:* Information On Actions Taken To Reference Possible Exposures of Military Personnel. *Contents:* -Reference To Possible Exposures Of Military Personnel, Letter From Sheldon Brownton to Dr. Dunham, 9/16/57 -Concerning Effects of Nuclear Testing On Members Of the Armed Forces, Letter From B. Berry To Assistant Secretary of Defense, 9/16/57

**DOE-051094-A-51** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703161. *Date:* 03/08/48 *From:* David E. Lilienthal. *To:* Dr. James C. Sargent. *Re:* Response to the Interest of the Council On National Emergency Medical Service of the AMA's Volunteer - Willingness.

**DOE-051094-A-52** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703160. *Date:* 03/01/48 *From:* James C. Sargent. *To:* David E. Lilienthal. *Re:* AMA Council On National Emergency Medical Service to Volunteer to Study Actual Use of Atomic Weapons.

**DOE-051094-A-53** Reports; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703159. *Date:* *From:* Dr. Shields Warren. *To:* N/A. *Re:* Atomic Energy Commission - The Program In Medicine and Biology, 1947 - 1949.

**DOE-051094-A-54** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703152. *Date:* 06/22/59 *From:* C. L. Dunham. *To:* A. James Goldenthal. *Re:* Reply Concerning Fallout in the Belle Fourche Area of South Dakota On 6/17/57.

**DOE-051094-A-55** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703054. *Date:* 04/20/74 *From:* Dixy Lee Ray Chairman [sic]. *To:* Sam J. Ervin U.S. Senate. *Re:* Response to 4/2/74 letter regarding federally funded biomedical & behavioral research designed to alter the behavior of human subjects.

**DOE-051094-A-56** Correspondence; 4 documents, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703087. *Date:* 04/24/53; 03/01/50 *From:* H. C. Brown. *To:* Oscar Smith. *Re:* Statement of Functions and Responsibilities of the division of Biology and Medicine / Staff Responsibility For Disposal of Radioactive Waste Materials. *Contents:* -Statement of Functions and Responsibilities of the Division of Biology and Medicine, Letter From H.C. Brown to Oscar Smith, 4/24/53 -Staff Responsibility For Disposal of Radioactive Waste Materials, Letter From H.C. Brown to Shields

Warren, L. R. Hafstad, Carrol Wilson, 3/1/50 -United States Energy Commission Functions and Delegations, For Principle Staff.

**DOE-051094-A-57** Correspondence, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703084. *Date:* 12/01/52 *From:* Walter J. Williams, Deputy General Manager. *To:* E. J. Bloch, John C. Bugher, Jesse C. Johnson, and Various Operations Offices. *Re:* Delegation of Authority (Priorities & Allocations).

**DOE-051094-A-58** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703440. *Date:* 02/14/72 *From:* L. Manning Muntzing, Director of Regulation, AEC. *To:* Chairman Schlesinger, Commissioner Ramey, Commissioner Johnson, Commissioner Larson, Commissioner Doub. *Re:* Press Coverage of a University of Cincinnati Medical Project.

**DOE-051094-A-59** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703112. *Date:* 03/09/71 *From:* Wright Langham. *To:* Glenn T. Seaborg. *Re:* Chapter on Plutonium / Sequence of Major Events.

**DOE-051094-A-60** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703111. *Date:* 04/30/47 *From:* Carroll L. Wilson. *To:* Dr. Stafford L. Warren. *Re:* Extending Research Contracts of Various Universities.

**DOE-051094-A-61** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 70319. *Date:* 11/05/70 *From:* Robert D. Mosley, Jr., MD. *To:* John Totter. *Re:* Comment on Investigation Involving Testicular Radiation of Volunteer Subjects.

**DOE-051094-A-62** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703001. *Date:* 04/17/47 *From:* O. G. Haywood, Jr. *To:* Dr. Fidler. *Re:* Medical Experiments on Humans.

**DOE-051094-A-63** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703042. *Date:* 02/09/68 *From:* Chet Holifield. *To:* Glenn T. Seaborg. *Re:* Exploiting all Relevant Human Radiation Exposure Data.

**DOE-051094-A-64** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703154. *Date:* 04/08/48 *From:* Everett Idris Evans, MD. *To:* Dr. John Z. Bowers, Div. of Biology and Medicine. *Re:* Patient Permission Forms / Malpractice Suits -- i.e. Medical Legal Aspects of Human Radiation Experiments.

**DOE-051094-A-65** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703077. *Date:* 08/08/63 *From:* Glenn Seaborg. *To:* Honorable John O. Pastore. *Re:* Products of Subcommittee Review of Proposal For "Natural Center of Human Radiobiology".

**DOE-051094-A-66** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703016. *Date:* 04/14/74 *From:* James L. Liverman, Director, Div. of Biomedical and Environmental Research. *To:* Robert H. Bauer, Manager, CH. *Re:* Patients Injected With Plutonium.

**DOE-051094-A-67** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703041. *Date:* 03/07/68 *From:* Chairman. *To:* Honorable Chet Holifield. *Re:* Division of Robley D. Evan's Proposal for a "National Center of Human Radiobiology.

**DOE-051094-A-68** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703156. *Date:* 08/21/53 *From:* Shelby Thompson. *To:* H. C. Baldwin. *Re:* Information Guidance On Any Experimentation Involving Human Beings.

**DOE-051094-A-69** Correspondence; 3 documents, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703273. *Date:* 03/28/51; 06/20/51 *From:* George A. Hardie. *To:* Merril Eisenbud. *Re:* Beryllium Hazard. *Contents:* Letter: Beryllium Hazard, *To:* R. E. Pahler, *From:* Mary J. Locke, 4/17/51 Letter: Beryllium Hazard, *To:* Irvin R. Kramer, *From:* C. M. Loeb, 3/28/51 Enclosures: Routing Sheet Division of Reactor Development Telephone Conversation With J. Morrison

**DOE-051094-A-70** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703274. *Date:* 06/14/51 *From:* Stanley Needleman. *To:* George A. Hardie. *Re:* Beryllium Intoxication.

**DOE-051094-A-71** Correspondence; Correspondence; 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703275. *Date:* 04/18/51 *From:* R. E. Pahler. *To:* Dr. George A. Hardie. *Re:* Office of Naval Research Request For Study of Beryllium Hazard.

**DOE-051094-A-72** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 7-3276. *Date:* 03/08/51; 02/06/51 *From:* Chalres L. Dunham. *To:* Dr. J. M. Coon. *Re:* Regarding the Manuscript "Studies on the Mechanism of Acute Beryllium Poisoning". *Contents:* Response letter: Regarding Manuscript, *To:* Charles Dunham, *From:* J. M. Coon, 2/6/51

**DOE-051094-A-73** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703277. *Date:* 02/27/51; 03/05/51 *From:* George A. Hardie. *To:* Alvin J. Herzig. *Re:* Beryllium Hazards. *Contents:* Precautions To Be Taken In Handling Beryllium or Beryllium Oxide, From George A. Harding To Alvin Herzig, 3/5/51 Precautions To Be Taken In Handling Beryllium or Beryllium Oxide, From Alvin Herzig, *To:* Shields Warren, 2/27/51

**DOE-051094-A-74** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703281. *Date:* 02/09/51 *From:* George A. Hardie. *To:* R. Carson Dalzell. *Re:* Letter to Mr. Englehardt concerning contract for 25 lbs. of beryllium.

**DOE-051094-A-75** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box ??, 703282. *Date:* 01/15/51 *From:* George A. Hardie. *To:* B & M Files. *Re:* Health and Safety Requirements for the Beryllium Corporation of America.

**DOE-051094-A-76** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703296. *Date:* 04/11/69; 04/08/69 *From:* Chet Holifield. *To:* Honorable Glenn T. Seaborg. *Re:* Enclosure of Letter On Research On Human Radiation Patients. *Contents:* Transfer of Research On Human Radiation To Argonne, From Chet Holifield, *To:* Honorable Glenn T. Seaborg, 4/11/69 Transfer of Research On Human Radiation To Argonne, *From:* Robley D. Evans To Honorable Chet Holifield, 4/8/69

**DOE-051094-A-77** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703297. *Date:* 02/19/59 *From:* USAEC Alburquerque, NM. *To:* USAEC, DMA Washington D. C. *Re:* Radiation Exposure of Miners.

**DOE-051094-A-78** Correspondence; 5 documents, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703306. *Date:* 03/01/59 *From:* Hal Hollister. *To:* C. L. Dunham. *Re:* Atmospheric Monitoring Program. *Contents:* -Worldwide Fallout Program, Memo *From:* Hal Hollister To C. L. Dunham, 3/13/58 -Reply to Memo of 3/12/59 Requesting Comments Concerning Monitoring Project, *From:* Gordon Dunning to J. E. Holland, 3/17/59 -Historic Projects, Especially Ash Can, *From:* J. Z. Holland, *To:* C. L. Dunham, 3/12/59 -Supervisory Responsibility For Monitoring Projects, Table.

**DOE-051094-A-79** Correspondence; 2 documents, 18 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703326. *Date:* 04/07/59 *From:* W. W. Allaire. *To:* John O. VanDerbeck. *Re:* Nevada Test Site Exposure Injury (Question of Casuality). *Contents:* Another document to Mr. Chalmers C. King, 3/24/59 (can't read!)

**DOE-051094-A-80** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703362. *Date:* 06/22/59 *From:* C. L. Dunham. *To:* A. James Goldenthal. *Re:* Concerning Fallout In the Belle Fourche Area of South Dakota.

**DOE-051094-A-81** Correspondence, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703378. *Date:* 04/23/59 *From:* Chales Dunham. *To:* Honorable Walter Rogers. *Re:* Fallout Levels At Nevada Test Site.

**DOE-051094-A-82** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703398. *Date:* 08/18/54 *From:* Charles Dunham. *To:* Dr. Thomas L. Shipman. *Re:* Toxicity of Beryllium.

**DOE-051094-A-83** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703399. *Date:* 03/15/54 *From:* Harriet L. Hardy. *To:* Dr. Robert Kehoe. *Re:* Beryllium Poisoning.

**DOE-051094-A-84** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703402. *Date:* 03/01/54 *From:* Harriet L. Hardy. *To:* Charles Dunham. *Re:* Beryllium.

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**DOE-051094-A-85** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703403. *Date:* 02/22/54 *From:* Robert A. Kehoe. *To:* Dr. Harriet L. Hardy. *Re:* Harmlessness of Beryllium.

**DOE-051094-A-86** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703404. *Date:* 07/29/54 *From:* Thomas L. Shipman. *To:* Charles Dunham. *Re:* Beryllium Poisoning / Joseph Shipley's Paper.

**DOE-051094-A-87** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703427. *Date:* 01/28/59 *From:* C. L. Dunham. *To:* James T. Ramey. *Re:* Congenital Deformities / Correlation With Radiation Exposure.

**DOE-051094-A-88** Correspondence; 12 documents, 300 pages.; Financial Records; 12 documents, 300 pages.; Publications; 12 documents, 300 pages.; Reports; 12 documents, 300 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 6, 703764. *Date:* 01/02/90 *From:* C. Paulsen. *To:* John R. Totter. *Re:* Continuing Studies On X-Ray Effects On Human Spermatogenesis. *Contents:* 2. Excerpt From Report: Regarding Dose Distribution In the Volume of Interest, Pgs. 173. Article: Potentially Lethal Radiation Damage, Repair by Mammalian Cells in Culture. 4. Notice of Research Projects, Pgs. 2 5. Excerpts From Report: Metabolism of Labeled 125 I - HCG By the Rat Ovary, D. H. Espeland, F. Naftolin, & C. A. Paulsen, Pgs. 96. Contract Authorization: Effect of Irradiation On Human Testis, Changes in Spermatogenesis, Chromosomal Morphology, Leydig Cell Function & Pituitary-Gonadal Interrelations As Function of Radiation Dose, 10/27/69, Pgs. 2 7. Contract Request For 3 - Month Extension, Study of Irradiation Effects On the Human Testis: Including Histologic, Chromosomal & Hormonal Aspects. 11/69 - 1/70. 8. Correspondence Contract AT (45-1)-1781-University of Washington, Pgs. 88 9. Collection of Reports, Pgs. 176 10. Collection of Articles, Pgs. 17 11. Collection of Contract Review Reports, Request for Supplemental Funds, & Request For Extensions, Pgs. 24 DOE-051094-A-89 Correspondence, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 12, 702038. *Date:* 02/10/48 *From:* Brookhaven National Laboratory. *To:* AEC, Division of Biology and Medicine. *Re:* Outline of Tentative Medical Research Program.

**DOE-051094-A-90** Correspondence; 12 documents, 24 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 12, 702079. *Date:* 08/19/58; 06/22/59 *From:* Paul S. Henshaw. *To:* C. W. Shilling. *Re:* Correspondence Related to Conference - Radioepidemiology As A Programmatic Subcategory Under Whole Body Irradiation Syndrome. *Contents:* 2. Letter: Comments on Conference, *To:* Chuck, *From:* John Bugher, 10/2/58 3. Letter: Regarding Conference, *To:* Charles Shilling, *From:* Shields, 10/8/58 4. Letter: Regarding Meeting On Effects of Environmental Radiation, *To:* Paul S. Henshaw, *From:* Harold F. Dorn, 10/6/585. Memo: Preliminary Report On the 9/30/58 - 10/1/58 Meeting, "Effects Of Environmental Radiation on Human Beings", *To:* C. W. Shilling, *From:* Paul S. Henshaw, 10/9/58 6. Letter: Regarding Large Population To Use As Check, *To:* Charles Shilling, *From:* Shields, 10/14/58 7. Letter: Response to 1/16/59 Letter Regarding Epidemiological Aspects of Radiation, *To:* Willard F. Libby, *From:* S. W. 1/23/598. Letter: Regarding Influence of Low - Grade Radiation On Infection & Immunity, *To:* C. W. Shilling, *From:* Thomas Francis, 2/26/59 9. Letter: Regarding Studies in the Mid - Western States With Respect to Background Radiation & it's Effects, *To:* C. W. Shilling, *From:* Thomas Francis, 5/29/59 10. Letter: Regarding 5/29 Letter, *To:* Thomas Francis, Jr., *From:* C. W. Shilling, 6/22/59

**DOE-051094-A-91** Correspondence; 11 documents, 12 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 12, 701946 - 701956. *Date:* 10/14/49; 12/19/49 *From:* Edith Quimby, Columbia University. *To:* DBM. *Re:* Follow-up Studies On I-131 Patients - Request For Funding. *Contents:* 2. Response to Letter Regarding Follow up Studies on I - 131 Patients, *To:* Edith Quimby, *From:* L. W. Tuttle, 10/26/493. Response to Letter of 10/26/49, *To:* L. W. Tuttle, *From:* Edith Quimby, 10/27/49 4. Suggested Budget For 1 Year For Radioactive Iodine Studies, No Date 5. Letter Regarding 10/26 Letter, *To:* L. W. Tuttle, *From:* Virginia Kneeland Frantz, 11/8/49 6. Letter Regarding 11/8 Correspondence, *To:* Virginia K. Frantz, *From:* Charles L. Dunham, 11/30/49 7. Letter Regarding Desirability of Long Time Studies On Thyroid Cancer Patients Treated With I - 131, *To:* L. W. Tuttle, *From:* Edith Quimby, 12/2/49 8. Letter Regarding Inability to Support Dr. Frantz' Work, *To:* Edith Quimby, *From:* L. W. Tuttle, 12/19/49 9. Letter Regarding Dispute About Statement's In the Popular Book "We of Nagasaki", *To:* Dr. Shields Warren, *From:* Edith Quimby, 10/11/51 10. Letter Regarding Book, *To:* Edith Quimby, *From:* Shields Warren, 10/26/51

**DOE-051094-A-92** Correspondence, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 12, 702145. *Date:* 12/12/73 *From:* Caspar Weinberger. *To:* Dixy Lee Ray. *Re:* Proposed Federal Policy For Protection of Human Studies.

**DOE-051094-A-93** Correspondence; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 12, 702022. *Date:* 10/03/51 *From:* M. W. Boyer, General Manager. *To:* Shields Warren, Director DBM. *Re:* AEC Cancer Research Program.

**DOE-051094-A-94** Correspondence; 2 documents, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707048. *Date:* 06/10/83; 07/28/83 *From:* Anthony Roisman, Trial Lawyers For Public Justice. *To:* Spurlock, Garrish, Department of Army, Hosenball at NASA, and Garrish at DOE. *Re:* Claims of Talmon Mary Sue and Talmon Dwayne Sexton. *Contents:* Letter Regarding Tort Claim of Talmon, Mary Sue and Talmon Dwayne Sexton, *To:* Anthony Roisman, *From:* Madlyn R. Creedon, 7/28/83

**DOE-051094-A-95** Correspondence; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707037. *Date:* 07/02/48 *From:* Walter J. Williams, Acting General Manager. *To:* J. C. Franklin, Manager, Oak Ridge Directed Operations. *Re:* Radiological Warfare Program.

**DOE-051094-A-96** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 12/14/66 *From:* Charles Dunham. *To:* Gould Andrews, ORAU. *Re:* Guidelines For Human Subjects Research.

**DOE-051094-A-97** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 07/21/75 *From:* Katherine Duncan, DHEW. *To:* Andrews Gould, ORAU. *Re:* Human Subject Research.

**DOE-051094-A-98** Correspondence; 4 documents, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 06/26/70; 07/14/70 *From:* Alvin Weinberg, ORNL. *To:* Various. *Re:* ORNL Assurance of Compliance With Human Subject Guidelines. *Contents:* 2. Request for Approval NIH Procedures For Human Experimentation, Letter From Alvin Weinberg To William G. Pollard, 6/26/70 3. Approval Of Agreement Of Oak Ridge Associated Universities For Use By Oak Ridge National Laboratory Committee On Human Studies, Letter *From:* William G. Pollard, *To:* Alvin Weinberg, 7/1/704. Response to Letter of 5/15/70, *From:* Alvin Weinberg, *To:* John Trotter, 7/14/70

**DOE-051094-A-99** Correspondence; 13 documents, 73 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 07/01/66; 04/08/75 *From:* Dept. of Health, Education, and Welfare. *To:* Institutions Receiving PHS Grants. *Re:* DHEW Policies On Protection of Human Subjects 1966 - 1975. *Contents:* 2. Letter: Comments on Procedures, *To:* Gould Andrews, *From:* Seymour Bress, 6/9/69.3. Follow - up Letter to 6/18 Reply, *To:* Seymour Bress, *From:* Gould Andrews, 8/1/69 4. Letter: Protection of the Individual as Research Subject, *To:* Heads of Institutions, *From:* Eugene Confrey, 5/1/695. Example of An Acceptable Statement of Compliance, 5/1/696. Protection of the Individual As a Research Subjects7. Letter: Minimum Requirements For General Assurance, *To:* Gould Andrews, *From:* D. T. Chalkey, 2/3/72 8. Letter: Considerations in the Review of Projects (3) Medicine: Fetal Studies, *From:* D. T. Chalkey, 7/5/72 9. Letter: Research Involving Use of Human Subjects, *To:* William Pollard, *From:* Joseph A. Lenhard, 10/17/72· 10. Letter: Research Involving Use of Human Subjects - Your Letter of 10/17/72, *To:* Joseph Lenhard, *From:* William Pollard, 11/6/72 11. Institutional Guide To DHEW Policy On Protection of Human Subjects 12. Forty - Six Cumulative List of Institutions In Compliance With DHEW Policy On the Protection of Human Subjects, 2/9/7313. Letter: Administration of the DHEW Regulations for the Protection of Human Subjects, *From:* Katherine Duncan, 4/8/75

**DOE-051094-A-100** Correspondence, 2 pages.; Experiment Records; Experiment Records; 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 05/13/66 *From:* Bertrum Schur, Associate General Counsel. *To:* Charles Dunham,DBM. *Re:* Use of Human Volunteers In Biomedical Research.

**DOE-051094-A-101** Correspondence; 5 documents, 49 pages.; Experiment Records.; 5 documents 49 pages; Reports; 5 documents, 49 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 701664. *Date:* 11/07/67; 12/04/67 *From:* H. E. Palmer. *To:* H. M. Parker. *Re:* 143 Pm Study. *Contents:* 2. Human Subjects Committee Action Regarding Promethium Metabolism Studies, Letter *From:* H. M. Parker, *To:* R. S. Paul, 12/4/67 3. Human Subjects Committee Action Regrading Promethium Metabolism Studies, Letter *From:* P. T. Santilli, *To:* H. M Parker, 11/30/67 4. Metabolism, Distribution, & Excretion of Promethium In Humans, From J. J. Fuquay, *To:* R. S. Paul, 9/12/66 5. 143 Pm Metabolism Study, Letter *From:* H. E. Palmer, *To:* H. M. Parker, 11/21/66

**DOE-051094-A-102** Experiment Records; 3 documents, 27 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700153. *Date: From:* N/A. *To:* N/A. *Re:* The Tolerance of Man For Hexavalent Uranium, Part II. The Excretion of Uranyl

Nitrate Given Intravenously To Human Subjects. *Contents:* 1. Handwritten Notes 2. Part II, Clinical Methods 3. Daily Intake,

**DOE-051094-A-103** Experiment Records; 3 documents, 76 pages.; Reports. *Source:* Department of Energy. *Date:* 06/11/46; 06/12/46 *From:* E. R. Russell, J. Schubert and J.A. Jackson. *To:* N/A. *Re:* The Quantitative Determination of Plutonium in Biological Materials: Part I. The Analysis of Urine, Part II. The Analysis of Stool, and Part III Analysis of Tissues.

**DOE-051094-A-104** Correspondence; 64 documents, 64 pages.; Experiment Records; 64 documents, 64 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 84530. *Date:* 06/07/84 *From:* Richard Ottinger. *To:* N/A. *Re:* Request for List of Each Human Experimentation. *Contents:* Summary Factsheets Human Subject Studies 12/20/85 Effect of Ionizing Radiation On the Male Reproductive System

**DOE-051094-A-105** Experiment Records; 5 documents, 12 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3 , 701718. *Date:* 05/12/78 *From:* C. E. Newton. *To:* N/A. *Re:* Consent Forms On Urine Samples. *Contents:* 1. Memo: Regarding Privacy or Confidentialityn 5/12/78, Redacted & Unredacted. 2. Urinary Excretion of Metals & DTPA Consent Forms

**DOE-051094-A-106** Financial Records; 9 documents, 20 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701626. *Date:* 07/13/66 *From:* Dr. C. A. Paulsen. *To:* Dr. Robert Vandenbosch . *Re:* Testes Radiation in Washington State Prison. *Contents:* 1. Effects of Neutron Irradiation On Spermatogenesis In Man 2. Research Project: Study of Irradiation Effects On the Human Testis: Including Histologic, Chromosomal and Hormonal Aspects, 3/12/65 3. Progress Report - AEC Contract # AT(45-1)-12781, 2/22/654. Proposal For Renewal Of the Long Term Project Entitled: "Effects of Ionizing Radiation On the Testicular Function of Man". (AT(45-1)1780): Submitted by Carl G. Heller.5. Newspaper Article: 5 Inmates In Radiation Tests Sue6. ERDA: Background Information On AEC Human Testicular Irradiation Projects In Oregon & Washington State Prisons7. Newspaper Article: U.S. to Halt Tests On Prisoners, 3/2/768. Newspaper Article: AEC Tested X-Ray Sterilization On Northwest Convicts 9. Hanford Laboratories (GE Company) & Batelle - Northwest Assistance to Prisoner Studies, At Walla Walla, WA, & Salem Oregon. Synopsis

**DOE-051094-A-107** Experiment Records; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701682. *Date:* 06/18/70 *From:* N/A. *To:* N/A. *Re:* Consent Forms On Testicular Experiments.

**DOE-051094-A-108** Experiment Records; 13 documents, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 07/17/84; 07/01/65 *From:* Clement Finch. *To:* Sidney Marks. *Re:* Fact Sheets on Experiments. *Contents:* 1. Transmittal Letter For Fact Sheets, 7/17/842, Letter: Human Experimentation, 6/22/84 3. More Fact Sheets

**DOE-051094-A-109** Correspondence; 3 documents, 14 pages.; Experiment Records; 3 documents, 14 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 08/10/84; 08/06/84 *From:* Sidney Marks. *To:* Paula Clark. *Re:* Material Regarding Human Experimentation. *Contents:* 2.Letter: Material On AEC Supported Research, *From:* C. A. Paulsen, *To:* Sidney Marks, 8/6/84 3. Factsheet Human Experimentation

**DOE-051094-A-110** Experiment Records; 1 document, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703312. *Date:* 05/27/58 *From:* None. *To:* None. *Re:* Human Sr90 Program Studies.

**DOE-051094-A-111** Experiment Records; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703300. *Date:* 10/31/57 *From:* James E. Reeves. *To:* C. L. Dunham. *Re:* Fallout Data for 23rd Semiannual Report to Congress.

**DOE-051094-A-112** Experiment Records; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box #5 , CIC # 703303. *Date:* 08/23/57 *From:* Gordon M. Dunning. *To:* C.L. Dunham. *Re:* Exposure Records at Nevada Test Sites.

**DOE-051094-A-113** Experiment Records; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703304. *Date:* 07/18/57 *From:* Nevada Test Organization - Office of Test Information. *To:* N/A. *Re:* Preliminary Figures On Total Accumulated Fallout From Plumbob Series at Nevada Test Sites.

**DOE-051094-A-114** Experiment Records, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703278. *Date:* 02/27/51 *From:* W. B. Harris. *To:* Merril Eisenberd. *Re:* Acute Beryllium Toxicity - Brush Beryllium Company - Luckey Experience (Figures/Data).

**DOE-051094-A-115** Experiment Records; 4 documents, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703291. *Date:* 03/11/52; 05/26/51 *From:* Harry Foreman . *To:* Phillip A. Fuqua. *Re:* Proposed Protocol : For the Use of Ca EDTA In Humans. *Contents:* 2. Dscrepancy in Toxicity Data, Letter From Martin Ruben To Harry Foreman, 5/26/513. Protocol For the Use of Ca EDTA In Humans 4. Table of Compilation of Cases.

**DOE-051094-A-116** Experiment Records, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703390. *Date:* 10/01/56 *From:* N/A. *To:* N/A. *Re:* Cumulative Effective Biological Dose In Milliroentgens For All Nevada Test Through 10/56.

**DOE-051094-A-117** Reports; 1 document, 335 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707049. *Date:* 07/31/78 *From:* Oak Ridge Associated Universities. *To:* N/A. *Re:* Technical Reports .

**DOE-051094-A-118** Reports; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 6/11/48. *Date:* 06/11/48 *From:* Karl Z. Morgan. *To:* N/A. *Re:* Uniformly Distributed Source - ARUU Program".

**DOE-051094-A-119** Experiment Records; 1 document, 18 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13). *Date: From:* R. E. Rowland and Patricia Durbin. *To:* N/A. *Re:* "Survival, Causes of Death, and Estimated Tissue Doses in Group of Human Beings Injected With Plutonium".

**DOE-051094-A-120** Experiment Records; 2 documents, 36 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707031. *Date:* 10/26/46' *From:* R. R. Russell and J. J. Nickson, M. D. . *To:* N/A. *Re:* "Distribution and Excretion of Pluntonium In Two Human Subjects". *Contents:* 2. Plutonium In Man: Twenty-Five Year Review, Pat Durbin

**DOE-051094-A-121** Experiment Records; 1 document, 7 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707040. *Date:* 02/01/76 *From:* Energy Research and Development Administration. *To:* N/A. *Re:* "Background Information On Manhattan Project (Med) Injections of Plutonium Into Terminal Patients."

**DOE-051094-A-122** Experiment Records; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707034. *Date:* 07/23/48 *From:* Karl Z. Morgan. *To:* N/A. *Re:* "Single Source Lanthanum Test" - AHRUU Program.

**DOE-051094-A-123** Experiment Records; 1 document, 98 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707044. *Date:* 10/31/69 *From:* Principal Investigator, A. B. Brill. *To:* N/A. *Re:* Radioactive Dosimetry and Biological Turnover of Radionuclides Used In Nuclear Medicine in Prenatal and Postnatal Subjects Using Stable and Radioactive Tracers.

**DOE-051094-A-124** Experiment Records; 1 document, 61 pages.; Reports; 1 document, 61 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 06/01/50 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Progress Report of the Medicine Division - 6/1/50 - 6/1/51.

**DOE-051094-A-125** Experiment Records; 1 document, 30 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 03/31/53 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Quarterly Progress Report - 1/1/53 through 3/31/53.

**DOE-051094-A-126** Experiment Records; 1 document, 53 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 09/30/52 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Quarterly Progress Report - 7/1/52 through 9/30/52.

**DOE-051094-A-127** Experiment Records; 1 document, 24 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 12/30/52 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Quarterly

**DOE-051094-A-128** Experiment Records; 1 document, 40 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 09/30/52 *From:* Oak Ridge Insititute of Nuclear Studies. *To:* N/A. *Re:* Quarterly Progress Report - 7/1/52 through 9/30/52.

**DOE-051094-A-129** Experiment Records; 1 document, 16 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box 17, 707759. *Date:*

## *Sources and Documentation*

03/31/54 *From:* Oak Ridge Insitute of Nuclear Studies. *To:* N/A. *Re:* Quarterly Progress Report - Teletherapy Design Problems III - 1/1/54 through 3/31/54.

**DOE-051094-A-130** Experiment Records; 1 document, 36 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 12/31/53 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Quarterly Progress Report 10/1/54 - 12/31/53.

**DOE-051094-A-131** Experiment Records; 1 document, 16 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 09/30/53 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Quarterly Progress Report: 7/1/53 - 9/30/53.

**DOE-051094-A-132** Experiment Records; 1 document, 13 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 06/30/53 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Quarterly Progress Report: 4/1/53 - 6/30/53.

**DOE-051094-A-133** Experiment Records; 1 document, 22 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 06/30/54 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Quarterly Progress Report: 4/1/54 - 6/30/54.

**DOE-051094-A-134** Experiment Records; 1 document, 33 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 12/31/54 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Semiannual Progress Report: For the Period Ending 12/31/54.

**DOE-051094-A-135** Experiment Records; 1 document, 51 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707759. *Date:* 12/31/58 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Midyear Report - For the Period Ending 12/31/58.

**DOE-051094-A-136** Correspondence; 2 documents, 4 pages.; Experiment Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 01/17/72; 02/03/72 *From:* Gould Andrews, ORAU. *To:* DHEW. *Re:* Projects Under Review. *Contents:* Enclosure to letter. 2. Letter: Response to 1/17/72 letter, *To:* Gould Andrews, *From:* D. T. Chalkley, 2/3/72

**DOE-051094-A-137** 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 01/01/69 *From:* Oak Ridge Association Universities. *To:* N/A. *Re:* Patient Admittance Agreements and Consent Forms.

**DOE-051094-A-138** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 05/13/66 *From:* Bertram H. Schur. *To:* C. L. Dunham. *Re:* Use of Human Volunteers In Biomedical Research.

**DOE-051094-A-139** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 06/20/66; 07/13/66 *From:* Lloyd M. Nyhus. *To:* C. A. Paulsen. *Re:* Testicular Irradiation. *Contents:* Letter: Approval With Limitations of the Byproduct License, 7/13/66 *To:* C. A. Paulsen, *From:* Robert Vandenbosch

**DOE-051094-A-140** Financial Records; 21 documents, 21 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 02/01/68 *From:* C. E. Newton, H. E. Palmer. *To:* N/A. *Re:* Radon and Radon Daughters in Humans - A Study to Evaulate their Dosimetry.

**DOE-051094-A-141** Financial Records; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 09/01/79 *From:* S. Marks, D. R. Kalkwarf. *To:* N/A. *Re:* Urinary Excretion of Metals and DTPA.

**DOE-051094-A-142** Financial Records; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701765. *Date:* 02/01/67 *From:* C. E. Newton, W. J. Bair. *To:* N/A. *Re:* Internal Depositions of Radionuclides in Man.

**DOE-051094-A-143** Financial Records; 4 documents, 12 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 03/01/77 *From:* F. T. Cross. *To:* N/A. *Re:* Evaluation of Radionuclides in Man. *Contents:* 2. Budget Activity, FY-77, FY-78, FY-79 3. Synopsis

**DOE-051094-A-144** Financial Records; 2 documents, 39 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701733. *Date:* 11/11/69 *From:* N/A. *To:* N/A. *Re:* Time and Cost Proposal: A Study Relating Dose Levels From Laser Radiation To Threshold Effects In Skin. *Contents:* 2. Suggested Research Program: A Study Relating Dose Levels From Laser Radiations to Threshold Effects In Skin

**DOE-051094-A-145** Reports; 2 documents, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 01/18/80 *From:* H. E. Palmer. *To:* H. M. Parker. *Re:* Lung Counting of Foreign Volunteers Who Have Inhaled Radioactive Material. *Contents:* 2. Description of BNW Human Subjects Committee, No Date

**DOE-051094-A-146** Reports; 2 documents, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701723. *Date:* 10/31/77 *From:* H. M. Parker. *To:* HSCRS. *Re:* Studies of a Hanford Americium Decontamination Case. *Contents:* 2. Unconditional Release and Agreement, No Date.

**DOE-051094-A-147** Financial Records; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701769. *Date:* 04/01/66 *From:* Newton, Bair, Stuart, Larson, Nelson. *To:* N/A. *Re:* Excretion Rates Vs. Lung Burdens In Man.

**DOE-051094-A-148** Financial Records; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701768. *Date:* 03/01/66 *From:* J. M. Nielsen, R. W. Perkins. *To:* N/A. *Re:* Whole Body Counting.

**DOE-051094-A-149** Reports; 1 document, 37 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 10/01/67 *From:* K. L. Smith, L. A. Braby. *To:* N/A. *Re:* Fast Neutron Medical Research Facility-Dosimetry.

**DOE-051094-A-150** Financial Records; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703122. *Date:* 06/29/67 *From:* Glenn T. Seaborg. *To:* Senator Smathers. *Re:* Biomedical Research Programs Supported by AEC, Answer to Questionnaire. *Contents:* Enclosures: Questionnaire, FY 1967 Expenditures For Aging,

**DOE-051094-A-151** Financial Records; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5). *Date:* 12/18/70 *From:* N/A. *To:* N/A. *Re:* AEC - Cancer Research Expenditures, FY 1970 - 1971.

**DOE-051094-A-152** Financial Records; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703121. *Date:* 12/29/67 *From:* Glenn T. Seaborg. *To:* Harrison A. Williams, Jr.. *Re:* Fiscal Year 1967 Expenditures For Aging, AEC Supported.

**DOE-051094-A-153** Financial Records; 1 document, 28 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703124. *Date:* 03/03/67 *From:* U. S. AEC. *To:* N/A. *Re:* Statement of Questions and Answers for the hearings in the Area of Biomedical Development Conducted by the U.S. Senate Committee On Government Operations, Subcommittee on Government Research.

**DOE-051094-A-154** Financial Records; 1 document, 302 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13). *Date:* 12/26/78 *From:* AEC - ERDA-DOE . *To:* Vanderbilt University (A. B. Brill, Principal Investigator). *Re:* Contract Records.

**DOE-051094-A-155** Financial Records; 2 documents, 161 pages.; Reports *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707049. *Date:* 07/31/77; 07/31/78 *From:* A. B. Brill. *To:* N/A. *Re:* Radioisotopes Studies Utilizing A Low Level Whole Body Counter and Clinical Applications of Activation Analysis. *Contents:* 2. Radioisotopes Studies Utilizing A Low Level Whole Body Counter and Clinical Applications of Activation Analysis. 7/31/78

**DOE-051094-A-156** Correspondence; 6 documents, 355 pages.; Financial Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13). *Date:* 06/20/72 *From:* Ralph Elson. *To:* Carolyn Gregory. *Re:* Agreements Between AEC and Its Descendants With Vanderbilt University and Oak Ridge Assoc. Universities. *Contents:* Includes: Supplemental Agreements, Special Agreements, Financial Support Requests, Budget Assessments, Other Financial Records.

**DOE-051094-A-157** Financial Records; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707065. *Date:* 01/01/46 *From:* N/A. *To:* N/A. *Re:* Proposed Medical Research Program 1946 - 1947.

**DOE-051094-A-158** Correspondence; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707066. *Date:* 06/30/47 *From:* Radiological Research Laboratory. *To:* N/A. *Re:* Outline of Proposed Research Program 7/1/46 - 6/30/47.

**DOE-051094-A-159** Publications; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700107. *Date:* 01/01/68

*From:* W. H. Langham, J. N. P. Lawrence Jean McGlelland, L. H. Hempelman. *To:* N/A. *Re:* The Los Alamos Scientific Laboratory's Experience With Plutonium In Man. 1962 Health Physics article

**DOE-051094-A-160** Publications; 1 document, 62 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box 1, 700088. *Date: From:* Patricia Durbin. *To:* N/A. *Re:* Plutonium In Man: A New Look At the Old Data. report looks at data gathered from 1945-47 Pu injections

**DOE-051094-A-161** Publications; 1 document, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700112. *Date:* 01/01/64 *From:* Walter Snyder. *To:* N/A. *Re:* The Distribution of 239 PU In the Body Following Exposure By Inhalation.

**DOE-051094-A-162** Publications; 1 document, 14 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700080. *Date:* 01/01/76 *From:* R. E. Rowland, Patricia Durbin. *To:* N/A. *Re:* The Health Effects of Plutonium and Radium.

**DOE-051094-A-163** Reports; Reports; 11 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: 1). *Date:* 04/17/94 *From:* N/A. *To:* N/A. *Re:* Disclosure to Patients Injected with Plutonium.

**DOE-051094-A-164** Publications; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700166. *Date:* 07/02/48 *From:* A. C. Ivy. *To:* N/A. *Re:* The History and Ethics of the Use of Human Subjects In Medical Experiments.

**DOE-051094-A-165** Publications; 1 document, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 2, 701518. *Date:* 12/12/75 *From:* G. Voelz, J. Umbarger, J. McInroy, J. Healy. *To:* N/A. *Re:* Diagnosis and Treatment of Incorporated Radionuclides.

**DOE-051094-A-166** Publications; 1 document, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 2, 701517. *Date:* 04/17/56 *From:* Wright Langham. *To:* N/A. *Re:* The Measurement of Body Radioactivity.

**DOE-051094-A-167** Publications; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701567. *Date:* 02/24/92 *From:* Maurice A. Robkin. *To:* N/A. *Re:* Experimental Release of 131 I: The Green Run.

**DOE-051094-A-168** Publications; 1 document, 20 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701568. *Date:* 11/24/93 *From:* GAO Report. *To:* N/A. *Re:* Nuclear Health and Safety: Examples of Post World War II Radiation Releases at U.S. Nuclear Sites.

**DOE-051094-A-169** Publications; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 01/01/80 *From:* Committee On the Biological Effects of Ionizing Radiations. *To:* N/A. *Re:* The Effects On Populations of Exposure to Low Levels of Ionizing: 1980.

**DOE-051094-A-170** Publications; 2 documents, 14 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701796. *Date:* 01/01/67; 04/27/66 *From:* John Hanstead, David Brady. *To:* N/A. *Re:* The Uptake and Retention of 32P and 65Zn From the Consumption of Columbia River Fish. *Contents:* "Accumulation of Zinc-65 form Prolonged Consumption of Columbia River Fish" CIC # 701797, 4/27/66

**DOE-051094-A-171** Publications; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 09/14/65 *From:* H. E. Palmer. *To:* N/A. *Re:* Determination of 32P In Vivo.

**DOE-051094-A-172** Publications; 1 document, 18 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 12/10/65 *From:* T. M. Beasley. *To:* N/A. *Re:* Distribution and Excretion of Technitium In Humans.

**DOE-051094-A-173** Publications; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 06/06/54 *From:* Chester DeLong, Roy Thompson, Harry Kornberg. *To:* N/A. *Re:* Percutaneous Absorption of Tritium Oxide.

**DOE-051094-A-174** Publications; 3 documents, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 07/23/70 *From:* J. Torrence, P. Jacobs, A. Restrepo, J. Eschbach, C. Lenfant, & C.A. Finch. *To:* N/A. *Re:* Intraerythrocytic Adaption To Anemia. *Contents:* -Whole Body Counter For Precision In Vivo Measurement of Radio-Iron, H. E. Palmer, J. D. Cook, K. G. Pailthorp -Factsheets

**DOE-051094-A-175** Publications; 1 document, 62 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 70316. *Date: From:* Patricia Durbin. *To:* N/A. *Re:* Plutonium In Man: "A New Look At the Old Data".

**DOE-051094-A-176** Publications; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box 5, 703027. *Date:* 02/23/76 *From:* Science Trends. *To:* N/A. *Re:* Plutonium Experiments.

**DOE-051094-A-177** Publications; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box #5, 703028. *Date:* 02/22/75 *From:* United Press International. *To:* N/A. *Re:* U. S. Tested Plutonium on Humans.

**DOE-051094-A-178** Publications; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703032. *Date:* 02/25/76 *From:* Judy L. Fiedricas. *To:* Gail Bradshaw. *Re:* Facts for Sheltered Scientists.

**DOE-051094-A-180** Reports; 1 document, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703050. *Date:* 05/29/74 *From:* James Liverman. *To:* N/A. *Re:* Exhumation Program on 18 Plutonium Injectees.

**DOE-051094-A-181** Publications; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703037. *Date:* 02/22/76 *From:* George C. Wilson. *To:* N/A. *Re:* 18 Injected in 1945 Plutonium Study.

**DOE-051094-A-182** Publications; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703036. *Date:* 02/02/76 *From:* N/A. *To:* N/A. *Re:* Evans Asks Probe of Radiation Tests On Prison Inmates.

**DOE-051094-A-183** Publications; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703035. *Date:* 02/23/76 *From:* N/A. *To:* N/A. *Re:* Involuntary Guinea Pigs Highly Unlikely Now.

**DOE-051094-A-184** Publications; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703033. *Date:* 03/12/76 *From:* Editorial. *To:* N/A. *Re:* Plutonium Experimental Recalled.

**DOE-051094-A-185** Publications; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 70303. *Date:* 02/22/76 *From:* Maurice H. Thompson. *To:* N/A. *Re:* Humans Injected With Plutonium Strong.

**DOE-051094-A-186** Publications; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703138. *Date:* 03/07/58 *From:* N/A. *To:* N/A. *Re:* Fallout Danger Rises - Columbia Scientists.

**DOE-051094-A-187** Experiment Records; 1 document, 10 pages.; Publications. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707042. *Date:* 03/01/51 *From:* P. F. Hahn, W. J. Darby, M. Martin, C. W. Sheppard. *To:* N/A. *Re:* Iron Metabolism In Human Pregnancy As Studied With the Radioactive Isotope FE 39.

**DOE-051094-A-188** Publications; 1 document, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707043. *Date:* 01/29/69 *From:* R. M. Hagstrom, S. R. Glasser, A. B. Brill, R. M. Heyssel. *To:* N/A. *Re:* Long Term Effects of Radioactive Iron Administered During Human Pregnancy.

**DOE-051094-A-189** Publications; 1 document, 24 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707041. *Date:* 10/01/88 *From:* J. Newell Stannard. *To:* N/A. *Re:* Radioactivity and Health - A History.

**DOE-051094-A-190** Publications; 1 document, 24 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707052. *Date:* 01/01/90 *From:* Shirley Fry, L. Gayle Littlefield, C. C. Lushbaugh, A. H. Sipe, R. C. Ricks, M. E. Berger. *To:* N/A. *Re:* Follow-up of Survivors of Serious Radiation Accidents in the United States.

**DOE-051094-A-191** Reports; 1 document, 11 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1). *Date:* 06/27/47 *From:* David Lelienthal. *To:* Robert F. Loeb. *Re:* Report of the Board of Review of an AEC 1947.

**DOE-051094-A-192** Reports; 1 document, 12 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700188. *Date:* 08/21/74 *From:* N/A. *To:* N/A. *Re:* AEC Staff Paper Concerning Disclosure To Patients Injected With Plutonium.

## *Sources and Documentation*

**DOE-051094-A-193** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700181. *Date:* 03/26/45 *From:* L. Hempelmann. *To:* R. J. Oppenheimer. *Re:* Meeting of Chemistry Division and Medical Group.

**DOE-051094-A-194** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700179. *Date:* 04/17/74 *From:* N/A. *To:* N/A. *Re:* Interview With Dr. Hempelmann.

**DOE-051094-A-195** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700178. *Date:* 04/18/74 *From:* W. W. Weyzen. *To:* N/A. *Re:* Discussion With Dr. Christine Waterhourse and Dr. Bale.

**DOE-051094-A-196** Reports; 1 document, 11 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box # 1, 700047. *Date:* 04/29/74 *From:* James L. Liverman . *To:* N/A. *Re:* Briefing on Plutonium Project by Dr. James L. Liverman. background by Liverman on reasons for Plutonium Project study and attempts to gain consent for exhumation or clinical follow-up.

**DOE-051094-A-197** 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box #1 , CIC # 700057. *Date:* 01/01/74 *From:* N/A. *To:* N/A. *Re:* Plan of Operation.

**DOE-051094-A-198** Reports; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box # 1, 700071. *Date:* 01/01/74 *From:* N/A. *To:* N/A. *Re:* Summary Sheet of the 1974 AEC investigation into PU injections.

**DOE-051094-A-199** Reports; 1 document, 58 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 1, 700111. *Date:* 07/25/45 *From:* J. J. Nickson. *To:* N/A. *Re:* Report of Conference on Pu - 5/14 and 5/15.

**DOE-051094-A-200** Reports; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 2, 701539. *Date:* 10/12/44 *From:* L. Hempelmann. *To:* N/A. *Re:* Radium - Lanthium Experiment.

**DOE-051094-A-201** Reports; 1 document, 71 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 2, 701525. *Date:* 07/23/45 *From:* J. J. Nickson. *To:* N/A. *Re:* Repeat of Conference on Plutonium May 14 and 15.

**DOE-051094-A-202** Reports; 1 document, 50 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 03/01/74 *From:* J. D. Anderson. *To:* N/A. *Re:* Emitted and Decayed Values of Radionuclides in Gaseous Wastes Discharged to the Atmosphere from the Separation Facilities through Calendar Year 1972.

**DOE-051094-A-203** Reports; 1 document, 29 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 12/01/49 *From:* N/A. *To:* N/A. *Re:* H. I. Environs Report for Month of December, 1949 Abstract.

**DOE-051094-A-204** Reports; 1 document, 67 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3, 701572. *Date:* 03/02/50 *From:* H. J. Peas, W. Singlevich. *To:* N/A. *Re:* Radioactive Contamination in the Environs of the Hanford Works For the Period of October, November, December, 1949.

**DOE-051094-A-205** Reports; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 3). *Date:* 04/01/58 *From:* R. E. Tomlinson. *To:* N/A. *Re:* History of Airborne Contamination and Control - 200 Areas.

**DOE-051094-A-206** Reports; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703119. *Date:* 01/01/69 *From:* N/A. *To:* N/A. *Re:* AEC Program in Human Radiobiology.

**DOE-051094-A-207** Reports; 1 document, 36 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703085. *Date:* 08/13/51 *From:* N/A. *To:* N/A. *Re:* Report of the AEC Required by Bureau of the Budget Bulletin no. 51-18--Delegation of Authority to Field Activities.

**DOE-051094-A-208** Reports; 1 document, 12 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703120. *Date:* 03/26/68 *From:* General Manager. *To:* John T. Conway. *Re:* Statement for Joint Committee on Atomic Energy: FY 1969 Authorization Hearings - Coordination of Federal Research Programs in the Life and Environmental Sciences.

## *Appendix E*

**DOE-051094-A-209** Reports; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703121. *Date:* 01/01/66 *From:* Charles L. Dunham. *To:* N/A. *Re:* Detectors in Biology and Medicine.

**DOE-051094-A-210** Reports; 1 document, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703143. *Date:* *From:* W. O. Caster. *To:* N/A. *Re:* The Biological Hazard From Atomic Fallout.

**DOE-051094-A-211** Reports; 4 documents, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703212. *Date:* 01/01/55 *From:* U.S. Naval Researchers. *To:* N/A. *Re:* Series of Abstracts on Exposure to Fallout.

**DOE-051094-A-212** Reports; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, Bate #0001584. *Date:* 05/06/58 *From:* Irving H. Blifford, Jr. *To:* Dr. Harry Wexler. *Re:* Comments For the National Academy Committee on the Meteorological Aspects of Atomic Radiation.

**DOE-051094-A-213** Reports, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703329. *Date:* 03/07/58 *From:* National Committee For A Sane Nuclear Policy. *To:* N/A. *Re:* Some Examples of AEC Bias in Favor of More Optimistic Interpretations of the Fallout Hazard.

**DOE-051094-A-214** Reports; 1 document, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703374. *Date:* 04/25/49 *From:* N/A. *To:* N/A. *Re:* Some Thoughts on AEC Functions Relating Chiefly to Categories of Activities In the Field of Biology and Medicine.

**DOE-051094-A-215** Reports; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703406. *Date:* 01/01/74 *From:* N/A. *To:* N/A. *Re:* Report to the AEC Concerning the Desireability of Study of the Health Records of Terminated Employees.

**DOE-051094-A-216** Reports; 1 document, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703065. *Date:* 06/30/55 *From:* N/A. *To:* N/A. *Re:* Sixth Annual Report, Oak Ridge Hospital.

**DOE-051094-A-217** Reports; 1 document, 15 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703115. *Date:* 11/30/74 *From:* John Erlwire . *To:* Edward J. Bauser. *Re:* Disclosure to Patients Injected With Plutonium.

**DOE-051094-A-218** Reports; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703114. *Date:* 09/10/74 *From:* John A. Harris. *To:* Chairman Ray, Commissioners Kriegsmen and Anders. *Re:* Information Report: Science Magazine asks About Plutonium Injections.

**DOE-051094-A-219** Reports; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703039. *Date:* 05/23/68 *From:* Chairman Seaborg. *To:* Chairman Seaborg, Commissioners Ramey, Tape, Johnson. *Re:* Report On the Proposal for a National Center of Human Radiobiology.

**DOE-051094-A-220** Reports; 1 document, 11 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703017. *Date:* 04/29/74 *From:* James L. Liverman. *To:* N/A. *Re:* Briefing Plutonium Project by Dr. James Liverman.

**DOE-051094-A-221** Reports; 1 document, 22 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703059. *Date:* 01/30/74 *From:* James L. Liverman. *To:* Senator Frank Church. *Re:* Program of Research on Aging Sponsored by the Atomic Energy Commission.

**DOE-051094-A-222** Reports; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703058. *Date:* 04/01/74 *From:* Paul C. Bender. *To:* N/A. *Re:* Report on Medical Ethics Matter.

**DOE-051094-A-223** Reports; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703031. *Date:* 02/01/76 *From:* Information From ERDA. *To:* N/A. *Re:* Background Information on Manhattan Project (MED) Injections of Plutonium Into Terminal Patients. *Contents:* Summary Pu Injections

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**DOE-051094-A-224** Reports; 1 document, 12 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703030. *Date:* 04/17/74 *From:* AEC. *To:* N/A. *Re:* Disclosure to Patients Injected With Plutonium.

**DOE-051094-A-225** Reports; 1 document, 13 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703000. *Date:* 06/04/55 *From:* Paul Fleischmajer, M. D. and Victor H. Witten M. D. *To:* N/A. *Re:* Studies of Throrium X Applied to Human Skin - Presented at the 16th Annual Meeting of the Society for Investigative Dermatology.

**DOE-051094-A-226** Reports; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707053. *Date:* 01/11/94 *From:* N/A. *To:* N/A. *Re:* A Chronology of the Clinical Studies Program at the Oak Ridge Institute of Nuclear Studies.

**DOE-051094-A-227** Reports; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707051. *Date:* 01/01/82 *From:* N/A. *To:* N/A. *Re:* Biographical Sketch, Karl Z. Morgan.

**DOE-051094-A-228** Reports; 1 document, 62 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707047. *Date:* 10/01/84 *From:* Plaintiff: Mary Sue Sexton and Talmon Dwayne Sexton. *To:* Defendant: Oak Ridge Associated Universities. *Re:* Complaint and Answer.

**DOE-051094-A-229** Reports; 1 document, 136 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707046. *Date:* 04/11/83 *From:* Plaintiffs: Mary Sue Sexton and Talmon Dwayne Sexton. *To:* Defendant: Oak Ridge Associated Universities. *Re:* Pretrial Discovery Deposition of Mary Sue Moppatt Sexton.

**DOE-051094-A-230** Reports; 1 document, 23 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707048. *Date:* 05/28/85 *From:* Plaintiffs: Mary Sue Sexton, Talmon Sexton and Estate of Talmon Dwayne Sexton. *To:* Defendant: United States of America. *Re:* Complaint for Damages Under Federal Tort Claims Act.

**DOE-051094-A-231** Reports; 1 document, 15 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707048. *Date:* 05/28/85 *From:* Plaintiffs: Mary Sue, Talmon and Estate of Talmon Dwayne Sexton. *To:* Defendant: US. of America. *Re:* Motion of Defendant U. S. of America For Order Dismissing Complaint For Improper Venue.

**DOE-051094-A-232** Reports; 1 document, 160 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13). *Date:* 05/28/85 *From:* Plaintiffs: Mary Sue and Talmon Sexton. *To:* Defendant: Oak Ridge Associated Universities. *Re:* Defendant's First Set of Interrogatories to Plaintiffs.

**DOE-051094-A-233** Reports; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707760. *Date:* 01/01/94 *From:* Oak Ridge Associated Universities. *To:* N/A. *Re:* A Chronology of the Clinical Studies Program at the ORINS / ORAU.

**DOE-051094-A-234** Correspondence; 5 documents, 15 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 09/06/74 *From:* Oak Ridge Operations, Audit Branch. *To:* N/A. *Re:* First Interim Audit Report on Examination of Patient Selection Criteria At ORAU Contract No. At (40-1)-Gen-33-Fiscal Year 1974. *Contents:* 2. First Interim Audit Report - Patient Selection Criteria - ORAU, FY74 - Management Comment, 10/18/743. Memo: Audit Report 4-02-1, ORAU, Patient Selection Criteria, 12/9/74 4. Memo: Audit Report - Patient Selection Criteria, 12/16/74 5. Letter: Vacancies On the Committee on Human Studies of ORAU & OR-HNI, 6/10/75

**DOE-051094-A-235** Reports; 1 document, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 06/04/74 *From:* AEC - Oak Ridge Operations. *To:* N/A. *Re:* Health Protection Appraisal: Oak Ridge Associated Universities.

[redacted]

DOE-051094-A-238 Correspondence; 2 documents, 31 pages. *Source:* Department of Energy (Coordination and Information

11/25/75 *From:* N/A. *To:* N/A. *Re:* Sample Policies on Research Involving Human Subjects. *Contents:* Sample Policies: Donner Lab & Lawrence Radiation Lab, 2/25/67 Vanderbilt University, Undated University of Tennessee, 1975

**DOE-051094-A-239** Reports; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 04/01/82 *From:* ORAU / ORNL Committee on Human Studies. *To:* N/A. *Re:* Implementing Guidelines for Research on Human Subjects.

**DOE-051094-A-240** Reports; 1 document, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 05/29/69 *From:* Oak Ridge Associate Universities - Medical Division. *To:* N/A. *Re:* Guidelines For Research on Human Subjects.

**DOE-051094-A-241** Reports; 5 documents, 17 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 08/31/71; 06/02/72 *From:* Oak Ridge Associated Universities (ORAU). *To:* N/A. *Re:* Guidelines For Human Research. *Contents:* 2. Memo: Outpatients and Volunteer Subjects In Research Projects, 8/31/71 3. Implementing Guidelines For Research On Human Subjects (In Compliance With PHS/DHEW Policy on Protection of Human Subjects) Revised 1/72 4. Human Experimentation: Code of Ethics of the World Medical Association 5. General Institutional Assurance: Statement of Compliance

**DOE-051094-A-242** Publications; 1 document, 11 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 01/01/76 *From:* NIH, Office for Protection From Research Risks. *To:* N/A. *Re:* ORR Reports, 1/76.

**DOE-051094-A-243** Correspondence; 3 documents, 26 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 01/17/77; 03/13/75 *From:* Oak Ridge Associated Univerities (ORAU). *To:* N/A. *Re:* Documents related to ORAU Assurance of Compliance With DHEW, 1977. *Contents:* 1. Letter: General Assurance of Compliance With DHEW Guidelines, 1/17/772. Department of Health, Education, and Welfare, 3/13/75, Federal Register 3. Consent Forms

**DOE-051094-A-244** Reports; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 03/01/77 *From:* ORAU / ORNL Committee on Human Studies. *To:* N/A. *Re:* Implementing Guidelines for Research On Human Subjects.

**DOE-051094-A-245** Correspondence; 1 document, 17 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 01/01/75 *From:* Oak Ridge Associated Universities (ORAU). *To:* N/A. *Re:* Records Related to ORAU Assurance of Compliance With DHEW - 1975.

**DOE-051094-A-246** Correspondence; Correspondence; 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 17, 707758. *Date:* 06/10/93 *From:* Oak Ridge Associated Universities. *To:* N/A. *Re:* Multiple Project Assurance of Compliance With DHHS Regulations for Protection of Human Research Subjects.

**DOE-051094-A-247** Reports; 1 document, 17 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703400. *Date:* 03/17/54 *From:* Roy E. Albert. *To:* N/A. *Re:* The Biological Effects of Beryllium.

**DOE-051094-A-248** Reports; 1 document, 26 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box 5, 703376. *Date:* 01/01/60 *From:* W. F. Libby. *To:* N/A. *Re:* Statosperic Fallout Particularly From the Russian October Series.

**DOE-051094-A-249** Reports; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703324. *Date:* 01/01/55 *From:* J. B. Sanders, O. R. Pacak, M. W. Carter. *To:* The Test Division, Santa Fe Operations Office, U.S. AEC. *Re:* Report of Off-Site Radiological Safety Activities Operation Teapot - Nevada Test Site).

**DOE-051094-A-250** Reports; 1 document, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703323.. *Date:* 06/19/62 *From:* Paul C. Torpkins. *To:* Kenneth McAlpine. *Re:* Summary Analysis of the 1962 Hearing Son Radiation Standards Including Fallout.

**DOE-051094-A-251** Reports; 1 document, 21 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703265. *Date:* 05/28/57 *From:* S. R. Sapirie. *To:* Charles Dunham. *Re:* X-Ray Exposure Pilot Studies.

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**DOE-051094-A-252** Reports; Reports; 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703267. *Date:* 01/01/74 *From:* Dr. Cochran, Merrell and Bachrach. *To:* AEC. *Re:* The Desireability of a Study of the Health Records of Terminated Employees.

**DOE-051094-A-253** Reports; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703252. *Date:* 03/21/52 *From:* Roy B. Snapp. *To:* N/A. *Re:* Communist Domination of Certain Unions.

**DOE-051094-A-254** Reports; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703251. *Date:* 06/07/54 *From:* Roy B. Snapp. *To:* N/A. *Re:* Torts Claim Action.

**DOE-051094-A-255** Reports; Reports; 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703227. *Date:* 04/25/59 *From:* N/A. *To:* N/A. *Re:'* Some Thoughts on AEC Functions Relating Cheifly to Categories of Activities In the Field of Biology and Medicine.

**DOE-051094-A-256** Reports; Reports; 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box 13, 707119. *Date:* 02/04/59 *From:* N/A. *To:* N/A. *Re:* Advisory Committee On Isotope Distribution.

**DOE-051094-A-257** Reports; 2 documents, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707112 - 707113. *Date: From:* Carl Dreher. *To:* N/A. *Re:* Atomic Medicine . *Contents:* 2. New Tools For Medical Researcher

**DOE-051094-A-258** Reports; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707087. *Date:* 01/01/46 *From:* N/A. *To:* N/A. *Re:* Problems of the Division of Pharmacology For the Year 1945 - 1946.

**DOE-051094-A-259** Reports; 1 document, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707081. *Date: From:* N/A. *To:* N/A. *Re:* Foreward - Introduction.

**DOE-051094-A-260** Reports; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707076. *Date: From:* N/A. *To:* N/A. *Re:* Film Monitoring Studies For Determination of Radiation Exposure - Radiation Section.

**DOE-051094-A-261** Reports; 1 document, 82 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707136. *Date:* 05/01/48 *From:* N/A. *To:* N/A. *Re:* Radioisotopes - Distribution Records.

**DOE-051094-A-262** Reports; 1 document, 85 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707144. *Date:* 06/30/47 *From:* Isotopes Division, AEC. *To:* N/A. *Re:* Isotope Distribution - First Year.

**DOE-051094-A-263** Reports; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707149. *Date:* 12/01/46 *From:* Major J. W. Rowland. *To:* N/A. *Re:* Scope of Research Program as of 12/1/46.

**DOE-051094-A-264** Reports; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707084. *Date:* 04/01/45 *From:* H. E. Stockings. *To:* N/A. *Re:* Approved Calendar of Exposure - Units of the Inhalation.

**DOE-051094-A-265** Reports; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707085. *Date:* 03/15/45 *From:* H. E. Stockinger. *To:* N/A. *Re:* Calendar of Exposure Units of the Inhalation Section.

**DOE-051094-A-266** Correspondence; 1 document, 1 page.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707086. *Date:* 05/17/45 *From:* Dr. Hodge (Harold). *To:* A. H. Dowdy. *Re:* Proposed Planning Session and Planning Session Reports.

**DOE-051094-A-267** Reports; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707069. *Date:* 03/29/48 *From:* N/A. *To:* N/A. *Re:* The Experimental Use of Radioactive Materials In Human Subjects At AEC Establishmnts.

**DOE-051094-A-268** Reports; 1 document, 86 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707148. *Date:* 07/01/46 *From:* Isotopes Branch. *To:* N/A. *Re:* Yearly Report On Allocations of Radioactive and Stable Isotopes.

## *Appendix E*

**DOE-051094-A-269** Experiment Records; 1 document, 225 pages.; Reports; 1 document, 225 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707088. *Date:* 04/01/46 *From:* N/A. *To:* N/A. *Re:* Current Status and Current Results of the Division of Pharmacology.

**DOE-051094-A-270** Correspondence; 1 document, 14 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703247. *Date:* 12/28/49 *From:* Bennett Boskey. *To:* N/A. *Re:* Litigation Procedures Guide.

**DOE-051094-A-271** Correspondence; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707107. *Date:* 06/19/46 *From:* Between Edward Harris and Major Francis. *To:* N/A. *Re:* Use of Radioisotopes for Diagnostic Therapeutic Purposes.

**DOE-051094-A-272** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707075. *Date:* 01/08/47 *From:* E. E. Kirkpatrick. *To:* US AEC (Berkeley, CA). *Re:* Administration of Radioactive Substances To Human Subjects.

**DOE-051094-A-273** Correspondence; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707120. *Date:* 01/03/46 *From:* Radioisotope Committee of Clinton Laboratories. *To:* Colonel S. Warren. *Re:* Specific Proposals for the National Distribution of Radioisotopes Produced by the Manhattan Engineer District.

**DOE-051094-A-274** Correspondence, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707114 - 707115. *Date:* 08/18/45 *From:* W. E. Cohn. *To:* R. L. Doan. *Re:* Survey of Present Radioisotope Production. *Contents:* Isotope Production, From W. E. Cohn to R. L. Doan, 8/18/45

**DOE-051094-A-275** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707109. *Date:* 06/07/46 *From:* Army Service Forces. *To:* Project Directors, Area Engineers, Committees and Consultants. *Re:* Announcement of Radioisotope Distribution by the Manhattan Project.

**DOE-051094-A-276** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707116. *Date: From:* N/A. *To:* N/A. *Re:* Maximum Radiation Levels for the NRH Project.

**DOE-051094-A-277** Correspondence, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707104. *Date: From:* N/A. *To:* N/A. *Re:* Creation of Isotopes Division at General Manager Staff Level.

**DOE-051094-A-278** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 70799. *Date:* 09/05/47 *From:* A. Holland. *To:* B. G. Sanders. *Re:* Suggested Subject Index.

**DOE-051094-A-279** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 279, 707098. *Date:* 10/04/48; 09/18/48 *From:* Between A. Holland and Robert Hettig. *To:* N/A. *Re:* The Treatment of Fibro - Sarcoma with Radioisotope. *Contents:* 1. Treatment of Fibro-Sarcoma With Radioisotope, From Albert Holland To Robert A. Hettig, 10/14/48 2. Regarding Treatment of Fibro-Sarcoma With Radioisotopes, From Albert Holland To Robert A. Hettig, 9/18/48 3. Regarding Treatment of Fibro-Sarcoma, From Robert A. Hettig To Albert A. Holland, 9/14/48

**DOE-051094-A-280** 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box # 13 (Set I), 707097. *Date:* 10/28/00 *From:* N/A. *To:* N/A. *Re:* Isotopes Branch Routing Slip.

**DOE-051094-A-281** Correspondence; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707096. *Date:* 12/17/45 *From:* W. E. Cohn. *To:* N/A. *Re:* A Summary of Fission Products Available at Hanford and a Proposal of a Method for their Recovery.

**DOE-051094-A-282** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707095. *Date:* 11/07/47 *From:* Albert Holland. *To:* W. M. Tinniswood. *Re:* Information on Radioisotopes.

**DOE-051094-A-283** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707093. *Date:* 12/07/45 *From:* W. E. Cohn. *To:* N/A. *Re:* Radioisotope production facilities at Clinton Laboratories.

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**DOE-051094-A-284** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707080. *Date:* 11/06/46 *From:* Brichard Brundage - Major, Medical Corps. *To:* District Engineer, Manhattan District (Oak Ridge). *Re:* Oganization of the Medical Division.

**DOE-051094-A-285** Correspondence; 4 documents, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707083. *Date:* 03/16/45 *From:* N/A. *To:* N/A. *Re:* Basic Problems of the Division of Pharmacology Manhattan Project.

**DOE-051094-A-286** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707128. *Date:* 11/07/47 *From:* Al Holland. *To:* J. C. Franklin. *Re:* Medical and Operational Policy Decisions.

**DOE-051094-A-287** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707135. *Date:* 02/26/46 *From:* P. C. Aebersold. *To:* Lt. Col. H. L. Friedell. *Re:* Radioelement Tracer Demonstration for American Cancer Society.

**DOE-051094-A-288** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 70701. *Date:* 11/07/46 *From:* James Maddy, District Safety Engineer. *To:* Medical Division Manhattan Project. *Re:* Limitations of M5-11-7 Combat Mask Used in Production Operations.

**DOE-051094-A-289** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707072. *Date:* 12/17/46 *From:* Brichard Brundage Major - Medical Corps. *To:* Safety Division, Manhattan District Office. *Re:* M5-11-7 Combat Mask Used in Production Operation.

**DOE-051094-A-290** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707073. *Date:* 12/24/45 *From:* H. R. Fraser, Lt. Col. Corps of Engineers. *To:* C. E. Center, Carbide and Carbon Chemicals Corp. *Re:* M5-11-7 Combat Mask".

**DOE-051094-A-291** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707070. *Date:* 10/08/46 *From:* B. S. Wolf (Captain, Corps of Engineers, Army Service Forces). *To:* Col. W. D. Fleming (Manhattan Dist. Oak Ridge, TN). *Re:* Comments on Progress Report.

**DOE-051094-A-292** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707054. *Date:* 10/23/45 *From:* James Stern. *To:* Major J. F. Ferry. *Re:* On Skin Cotact With T - Compounds.

**DOE-051094-A-293** Correspondence, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707063. *Date:* 03/13/45 *From:* William Bale. *To:* Col. Friedell. *Re:* Postum Tolerance.

**DOE-051094-A-294** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707059. *Date:* 05/08/47 *From:* C. L. Marshall. *To:* B. M. Brundage. *Re:* Declassification Regarding Document by Carver.

**DOE-051094-A-295** Correspondence; 2 documents, 13 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707145. *Date:* 01/20/47 *From:* A. K. Solomon. *To:* N/A. *Re:* Health Protection In Handling Radioisotopes. *Contents:* 2. Availability of Estrone Sulfate Labeled With S-35, Isotopes Division, 4/15/48

**DOE-051094-A-296** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707058. *Date:* 03/02/48 *From:* Shields Warren. *To:* Albert Holland. *Re:* Declassification of Documents.

**DOE-051094-A-297** Correspondence; 2 documents, 11 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707153. *Date:* 09/09/46 *From:* Stafford Warren. *To:* Colonel W. D. Fleming. *Re:* Recommendations of Medical Advisory Committee 9/5 - 9/6/46. *Contents:* 2. Receipt of Letter From S. Warren To W. D. Fleming, 9/9/46

**DOE-051094-A-298** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707152. *Date:* 09/26/46 *From:* W. M. D. Fleming. *To:* Dr. Stafford Warren. *Re:* Experiments to Tell Radiation Damage on Animals Through Urine Studies.

**DOE-051094-A-299** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707155. *Date:* 11/21/46 *From:* L. R. Groves, Major General. *To:* District Engineer. *Re:* Medical Advisory Committee Report.

**DOE-051094-A-300** Correspondence; 1 document, 13 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707147. *Date:* 01/08/47 *From:* Paul C. Aebersold. *To:* N/A. *Re:* General Rules and Procedures Concerning Radioactive Hazards.

**DOE-051094-A-301** Correspondence; 9 documents, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707179, 707181, 707197 - 707203. *Date:* 09/23/46 *From:* W. D. Fleming. *To:* Dr. Friedell. *Re:* Medical Advisory Committee Report. *Contents:* Transmittal letters of proceedings of first meeting of the Medical Advisory Committee of the Manhattan Engineer District (not included). Letters are addressed *To:* Dr. Hempelmann, John Wirth, A. H. Browdy, R. E. Zirkle, G. Failla, Robert Stone, James Sterner, Col. K. D. Nichols

**DOE-051094-A-302** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707204. *Date:* 04/25/46 *From:* P. C. Aebersold. *To:* James Monahan. *Re:* Article on Medical and Biological Applications of Radioisotopes.

**DOE-051094-A-303** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13). *Date:* 06/16/47 *From:* W. R. Clarkson. *To:* C. L. Marshall. *Re:* Paper by Dickie and Hempelmann.

**DOE-051094-A-304** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707064. *Date:* 11/07/46 *From:* Brichard Brundage. *To:* District Engineer. *Re:* Summary of Present Medical Research Program.

**DOE-051094-A-305** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707067. *Date:* 03/19/47 *From:* Major B. M. Brundage. *To:* Ray C. Armstrong. *Re:* Comments on Proposed Research Program and Budget For the University of Rochester 7/1/47 - 7/1/48.

**DOE-051094-A-306** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707055. *Date:* 09/21/45 *From:* David Goldring. *To:* Wright Langham. *Re:* Bone and Teeth Specimens Analysis.

**DOE-051094-A-307** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707074. *Date:* 10/16/46 *From:* Joe W. Howland. *To:* District Engineer Manhattan District. *Re:* Formal Approval of Monsanto Biological Research at Dayton.

**DOE-051094-A-308** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707158. *Date:* 12/11/46 *From:* Birchard Brundage. *To:* District Engineer. *Re:* Summary of Scope of Medical Research Program.

**DOE-051094-A-309** Correspondence; 16 documents, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707157. *Date:* 01/27/47 *From:* Birchard M. Brundage. *To:* Bernard B. Wolf. *Re:* Summary - Medical Research Program. *Contents:* Cover letters *To:* Dr. Voseberg, Joseph Hamilton, Louis Hempelmann, Robert Stone, Stafford Warren, Col. James Cooney, G. Failla, Dr. Wirth, Col. Naimark, Alexander Hollander, Raymond Zirkla, Andrew Dowdy, James Sterner, Lauren Donaldson

**DOE-051094-A-310** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707068. *Date:* 01/19/46 *From:* Robert Stone. *To:* Stafford Warren. *Re:* Continuance of Biological Research Program.

**DOE-051094-A-311** Correspondence; 2 documents, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707175. *Date:* 10/14/46 *From:* E. Kirkpatrick. *To:* District Engineer. *Re:* Approval of Medical Advisory Committee Recommendations. *Contents:* Memo: Approval of Medical Advisory Committee Recommendations, 10/8/46

**DOE-051094-A-312** Meetings; 1 document, 27 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703401. *Date:* 03/01/54 *From:* Merril Eisenbud. *To:* N/A. *Re:* Health Hazards From Beyllium.

**DOE-051094-A-313** Correspondence; 2 documents, 6 pages.; Meetings. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707117. *Date:* 03/07/46 *From:* Paul Abersold. *To:* Lt. Col. Friedell. *Re:* Meeting of Manhattan Project Technical Advisory Committee on Isotopes. *Contents:* 2. Enclosure is Agenda

## *Sources and Documentation*

**DOE-051094-A-314** Correspondence; 1 document, 5 pages.; Meetings. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707110. *Date:* 05/01/46 *From:* L. A. DuBridge. *To:* Major General Groves. *Re:* Interim Advisory Committee on Isotope Distribution Policy.

**DOE-051094-A-315** Meetings; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707103. *Date: From:* N/A. *To:* N/A. *Re:* Symposium On Use of Isotopes in Biology.

**DOE-051094-A-316** Meetings; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707092. *Date: From:* N/A. *To:* N/A. *Re:* Proposed Agenda for First Meeting of Manhattan Project Technical Advisory Committee on Isotopes.

**DOE-051094-A-317** Meetings; Meetings; 30 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box #13 (Set I), 707121. *Date:* 04/20/46 *From:* N/A. *To:* N/A. *Re:* Agenda for Interim Advisory Committee on Isotope Distribution Policy.

**DOE-051094-A-318** Correspondence; 3 documents, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707101. *Date:* 04/30/48; 11/18/47 *From:* Austin Brues. *To:* Albert Holland. *Re:* Isotope Meeting 5/48. *Contents:* 2. Tentative Schedule 3. Regrading Copy of Legal Aspects In the Use of Radioisotopes, From James R. Newman To Albert Holland, 11/18/47

**DOE-051094-A-319** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707133. *Date:* 02/11/64 *From:* Paul Rekers, M. D. *To:* N/A. *Re:* Cancer Research - Seminar Announcement.

**DOE-051094-A-320** Meetings; 1 document, 30 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707151. *Date:* 03/25/48 *From:* AEC. *To:* N/A. *Re:* Information Meeting For Biology and Medicine.

**DOE-051094-A-321** Meetings; 1 document, 13 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707150. *Date:* 10/13/47 *From:* US AEC. *To:* N/A. *Re:* Program For General Information Meeting.

**DOE-051094-A-322** Publications; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703127. *Date:* 07/01/58 *From:* William Mackaye. *To:* N/A. *Re:* A - Fallout Level Last Fall Held Alarming.

**DOE-051094-A-323** Publications; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707108. *Date:* 06/14/46 *From:* Headquarters, Manhattan District, Oak Ridge, TN. *To:* N/A. *Re:* For Release in Newspapers.

**DOE-051094-A-324** Publications; 1 document, 26 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707105. *Date:* 06/14/46 *From:* Headquarters, Manhattan Project. *To:* N/A. *Re:* Availability of Radioactive Isotopes.

**DOE-051094-A-325** Publications; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707102. *Date: From:* N/A. *To:* N/A. *Re:* Radioactive Iodine References.

**DOE-051094-A-326** Publications; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707123. *Date:* 03/03/48 *From:* Office of Oak Ridge. *To:* N/A. *Re:* Foreign Distribution Program of Radioisotopes.

**DOE-051094-A-327** Publications; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707122. *Date:* 03/03/48 *From:* N/A. *To:* N/A. *Re:* Review of Employment Records at Carbide and Carbon Chemicals Corporation.

**DOE-051094-A-328** Publications; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707124. *Date:* 03/09/48 *From:* N/A. *To:* N/A. *Re:* Inside Labor.

**DOE-051094-A-329** Publications; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707125. *Date: From:* N/A. *To:* N/A. *Re:* Clinical Researc Program Studying Radiation Treatment.

**DOE-051094-A-330** Publications; 1 document, 17 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707126. *Date:* 03/05/48

*From:* N/A. *To:* N/A. *Re:* Sunday Press Release - Nationwide Cancer Research Work Through A Four - Point Program (Radioactive Materials).

**DOE-051094-A-331** Publications; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707127. *Date:* 08/04/48 *From:* Office of Security and Intelligence. *To:* N/A. *Re:* News Items.

**DOE-051094-A-332** Financial Records, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707111. *Date: From:* N/A. *To:* N/A. *Re:* Agreement and Conditions for Order and Receipt of Radioactive Materials.

**DOE-051094-A-333** Correspondence; 1 document, 70 pages.; Financial Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707100. *Date:* 02/20/48 *From:* J. C. Franklin. *To:* Carroll Wilson. *Re:* Authority for Distribution of Radioisotope - Labelled Compounds Synthesized in Commission Laboratories.

**DOE-051094-A-334** Correspondence; 1 document, 8 pages.; Financial Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707089. *Date:* 02/25/85 *From:* DOE Oak Ridge and Pfizer Pharmaceuticals. *To:* N/A. *Re:* Nifedipine Study for Pfiza Pharmaceuticals (DOE No. ERD 85-464).

**DOE-051094-A-335** Financial Records; 1 document, 19 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707049. *Date: From:* For Contract # AT-(40-1)-2401. *To:* Heyssel, Lagemann. *Re:* Expenditure Statements.

**DOE-051094-A-336** Financial Records; 1 document, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707049. *Date:* 02/01/65 *From:* Robert M. Heyssel. *To:* N/A. *Re:* Proposed Budget.

**DOE-051094-A-337** Financial Records; 5 documents, 12 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707049. *Date:* 10/03/88 *From:* P. T. Marquess. *To:* Keith Schneider. *Re:* Response to "Freedom of Information Act Request". *Contents:* 1. FOIA Request ORO 88-91, 10/31/88 2. FOIA Request, Vanderbilt University Contract AT-(40-1)-2401, 10/21/88 3. FOIA Request From Keith Schneider *To:* John H. Carter, 9/19/884. FOIA Requests From John H. Carter, 9/29/88 5. FOIA Request # 88092005, 9/28/88

**DOE-051094-A-338** Experiment Records; 1 document, 28 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 5, 703280. *Date: From:* Kenneth Cochran. *To:* N/A. *Re:* Studies on the Mechanism of Acute Beryllium Poisoning.

**DOE-051094-A-339** Correspondence; 1 document, 15 pages.; Experiment Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 7070118. *Date:* 04/04/46; 05/16/46 *From:* Paul Abersold. *To:* List of Distribution. *Re:* General Information on Therapeutic Application of Radioisotopes.

**DOE-051094-A-340** Experiment Records; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707082. *Date:* 06/01/45 *From:* Roger Metcalf. *To:* N/A. *Re:* General Procedures of One - Year Inhalation Studies.

**DOE-051094-A-341** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707057. *Date:* 11/01/45 *From:* Wright Langham. *To:* Dave Goldring (Army Service Forces). *Re:* Letter Stating That Bone and Tooth Samples Have Not Yet Been Analyzed.

**DOE-051094-A-342** Experiment Records; 1 document, 29 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707056. *Date:* 06/01/43 *From:* J. L. Ferry. *To:* N/A. *Re:* Summary of Toxic Effects of Uranium and Its Compounds.

**DOE-051094-A-343** Experiment Records; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #13 (sect. 1), 707062. *Date:* 10/06/45 *From:* K.Z. Morgan. *To:* M.C. Leverett. *Re:* Tolerance and Permissible Concentration of Polonium in the Water and Air. *Contents:* Tolerance and Permissible Concentration of Polonium in the Water and Air

**DOE-051094-A-344** Experiment Records; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #13 (sct 1), 707061. *Date:* 12/05/45 *From:* Robert Fink. *To:* Col. H.L. Friedell. *Re:* Recent work on metabolism of Polanium. *Contents:* Research on Metabolism of Polonium

**DOE-051094-A-345** Experiment Records; 1 document, 38 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): 701870, Box #3. *Date:*

05/01/86 *From:* M.J. Sula , D.E. Bihl. *To:* N/A. *Re:* Bioassay Measurements of Individuals Living Near the U.S. Department of Energy's Hanford Site in Washington State. *Contents:* Bioassay Measurements of Individuals Living Neat the U.S. Department of Energy's Hanford Site in Washington State

**DOE-051094-A-346** Experiment Record, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #3). *Date:* 06/15/66 *From:* J.W. Healy. N/A. *Re:* A note on the Measurement of I131 Uptake in the Human. *Contents:* Measurement of I131 Uptake in Humans

**DOE-051094-A-347** Experiment Records; 1 document, 38 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), 701874: Box #3, In Vivo Measurement of 241 Am in Accidentally Exposed Subject. *Date:* *From:* H.E. Palmer, G.A. Rieksts, E.E. Icayan. *To:* N/A. *Re:* In Vivo measurement of 241Am in an Accuidentally Exposed Subject. *Contents:* measurment of 241Am (accidental exposure)

**DOE-051094-A-348** Experiment Records; 1 document, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #3). *Date:* *From:* R.F. Palmer, W.H. Braymen. *To:* N/A. *Re:* Analysis for Radium in Humans. *Contents:* Radium in Humans

**DOE-051094-A-349** Reports; 1 document, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #3). *Date:* 03/01/69 *From:* J.F. Honstead. *To:* N/A. *Re:* Mechanisms of Transfer of Radionuclides to Man in the Vicinity of a Nuclear Facility.

**DOE-051094-A-350** Reports; 2 documents, 25 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #3). *Date:* 09/30/66 *From:* C.F. Newton, Jr., K.R. Heid, H.V. Larson, I.C. Nelson. *To:* N/A. *Re:* Tissue Sampling for Plutonium through an Autopsy Program. *Contents:* Plutonium in Human Lung in the Hanford Environs

**DOE-051094-A-351** Experiment Records; 1 document, 30 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #4, 701908. *Date:* 01/10/55 *From:* Hanford, Radiological Sciences Department. *To:* N/A. *Re:* Radiological Sciences Department Quarterly Progress Report Research And Development Activities - October-December, 1954.

**DOE-051094-A-352** Reports; 1 document, 109 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #4, 701910. *Date:* 03/01/71 *From:* Battele Pacific Northwest Laboratories. *To:* N/A. *Re:* Annual Report for 1970 to the USAEC Division of Biology and Medicine. *Contents:* 2. Inhalation Hazards To Uranium Miners 3. Rates of Deposition of Airborne Radionuclides In the Alaskan Environment 4. Nuclear Techniques In Medical Science

**DOE-051094-A-353** Experiment Records; 2 documents, 141 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #4, 701911. *Date:* 04/01/73 *From:* Battelle, Pacific Northwest Laboratory. *To:* N/A. *Re:* Annual Report for 1972 to the USAEC Division of Biological and Environmental Research: Volume I, Part 1 Biological Services. *Contents:* 2. Plans For Exposure of Human Volunteers To Promethium, After Animal Tests Completed in 1973, Diagnosis of Promethium Hazard in Man

**DOE-051094-A-354** Experiment Records; 2 documents, 157 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #4, 701912. *Date:* 01/01/66 *From:* Battelle, Pacific Northwest Laboratory. *To:* N/A. *Re:* Annual Report for 1965 in the Biological Sciences to the USAEC DBM. *Contents:* 2. Alaska Fallout

**DOE-051094-A-355** Reports; 1 document, 18 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #4, 701913. *Date:* 11/01/66 *From:* Batelle, Pacific Northwest Laboratory. *To:* N/A. *Re:* Monthly Activities Report, Nov. 1966 on AEC DBM Programs.

**DOE-051094-A-356** Experiment Records, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #4, 701915. *Date:* 09/13/65 *From:* Battelle, Pacific Northwest Laboratory. *To:* N/A. *Re:* Uptake and Radiation of Zinc-65 from Certain Foods.

**DOE-051094-A-357** Reports, 82 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box #4, 701919. *Date:* 10/20/64 *From:* General Electric, Hanford Laboratory. *To:* N/A. *Re:* Biology Research at Hanford Laboratory.

**DOE-051094-A-358** Experiment Records; 3 documents, 390 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #4, 701918. *Date:* 01/01/64; 01/01/59 *From:* Hanford Laboratories. *To:* N/A. *Re:* Hanford Radiological Sciences Research and Development Annual Report for 1963. *Contents:* Hanford Radiological Sciences Research and Development Annual Report for 1963, Hanford Laboratories, 1/64 Releases - Green Glow Program - 1959 Alaska Fallout Studies

**DOE-051094-A-359** Experiment Records; 3 documents, 162 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box 13, 707246. *Date:* 09/02/71 *From:* Howland, J. *To:* N/A. *Re:* "Summary - Medical Research Program 1943-1945". *Contents:* Summary - Medical Research Program 1943-1945 Concerning Use of Radioactive Iodine, Memo From Albert Holland, 07/30/48 Inquiry Regarding Radio-Iodine, Letter from Private Citizen, 07/27/48

**DOE-051094-A-360** Experiment Records; 1 document, 35 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #15, 707729. *Date:* 06/23/59 *From:* R.E. Cofield. *To:* N/A. *Re:* In vivo Gamma Counting Method of Determining Uranium Lung

**DOE-051094-A-361** Experiment Records; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #15, 707727. *Date:* 07/25/63 *From:* G.S. Hill. *To:* N/A. *Re:* Human Skin Decontamination Study.

**DOE-051094-A-362** Experiment Records; 2 documents, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): box #15, 707720. *Date:* 10/05/63 *From:* W.S. Snyder. *To:* N/A. *Re:* Proposal for a study on Elemental Composition of tissues and Organs and other characteristics of standard man. *Contents:* Memo Regarding Contracts, From W. Snyder To Napp, 10/05/63 Draft Proposal For Joint Study On Elemental Composition Of Tissues, Letter From W. Snyder To Milton Helpern, Henry Siegel, 9/13/65

**DOE-051094-A-364** Experiment Records; 2 documents, 28 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707716. *Date:* 03/26/64 *From:* U.S. Atomic Energy Commission. *To:* N/A. *Re:* SDC Proposed 384: Linearized Nonlinear Regression Methods For Statistical Analysis of Biological Data On Exposures To Radiation. *Contents:* 2. Response to SDC Proposal 384, Letter From S. Bernard To W. Burr, 3/26/64

**DOE-051094-A-365** Experiment Records; 1 document, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707712. *Date:* *From:* E. G. Struxness, A. J. Luessenhop, S. R. Bernard & J. C. Gallimore. *To:* N/A. *Re:* The Distribution and Excretional of Hexavalent Uranium in Man.

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**DOE-051094-A-368** Experiment Records, 15 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707704. *Date:* 09/24/46 *From:* J. Crowley, H. Lanz, K. Scott, and J. G. Hamilton. *To:* N/A. *Re:* Comparison of the Metabolism of Plutonium In Man and the Rat.

**DOE-051094-A-369** Experiment Records, 57 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707703. *Date:* 06/04/57 *From:* S. R. Bernard & E. G. Struxness. *To:* N/A. *Re:* A Study of Distribution and Excretion of Uranium in Man - An Interim Report.

**DOE-051094-A-370** Experiment Record, 22 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707604. *Date:* 10/02/46 *From:* E. R. Russell and J. J. Nickson. *To:* N/A. *Re:* Distribution and Excretion of Plutonium in Two Human Subjects. Report on CHI-1 and -2 cases

**DOE-051094-A-371** Experiment Records; 3 documents, 64 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707603. *Date:* 02/29/44 *From:* R. S. Stone, C. J. Watson, J. J. Nickson, M. J. Nickson, L. O. Jacobson. *To:* N/A. *Re:* Report For Month Ending February 29, 1944. *Contents:* Summary of Overall Project Health Activities, Metallurgical Project Meterology Section, Associated Projects

**DOE-051094-A-372** Experiment Records; 3 documents, 158 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #15, 797602. *Date:* 05/01/46 *From:* Joe Howland. *To:* N/A. *Re:* Series of abstracts from May 1, 1946 to July 1, 1946 - incliuding human research stemming from the Manhattan Project. *Contents:* Series of abstracts from May 1, 1946 to July 1,

1946 - including human research stemming from Manhattan Project, Joe Howland, 1946 Chronicles a number of human radiation experiments with uranium, polonium, plutonium, radium Also Many Animal Studies

**DOE-051094-A-373** Experiment Records; 1 document, 22 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box #15, 707731. *Date:* 09/21/59 *From:* R.E. Cofield . *To:* N/A. *Re:* Neutron Exposure Dosimetry if Humans By In Vivo Gamma Measurement of Sodium-24.

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**DOE-051094-A-377** Reports; 1 document, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13 (set I), 707035. *Date:* 11/01/86 *From:* Subcommittee on Energy Conservation and Power of the Committee on Energy and Commerce. *To:* N/A. *Re:* American Nuclear Guinea Pigs: Three decades of Radiation Experiments on U.S. Citizens .

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**DOE-051094-A-381** Reports; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707694. *Date:* 01/01/51 *From:* J. E. Wirth, J. R. Paper. *To:* N/A. *Re:* Reactions of Human Skin To Single Doses of Beta Rays (Based On Report MoH-93, 5/24/46 (MODC-508).

**DOE-051094-A-382** Reports; 1 document, 34 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707699. *Date:* 01/31/55 *From:* K. Z. Morgan. *To:* N/A. *Re:* Health Physics Division Semiannual Progress Report For Period Ending 1/31/55.

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**DOE-051094-A-385** Reports; 1 document, 109 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707702. *Date:* 07/31/56 *From;* K. Z. Morgan. *To:* N/A. *Re:* Health Physics Division Semiannual Report For Period Ending 7/31/56.

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S. Snyder, B. R. Fish, S. R. Bernard, M. R. Ford, J. R. Muir. *To:* N/A. *Re:* Urinary Excretion of Tritium Following Exposure of Manto HTO -- A Two - Exponentail Model.

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**DOE-051094-A-390** Financial Records; 2 documents, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707049. *Date:* 01/12/59; 02/01/64 *From:* N/A. *To:* N/A. *Re:* Contract Authorization Forms Between AEC and ORAU - Vanderbilt University. *Contents:* Contract Authorization, Fund Authorization and Transmittal of Research Proposal For Contract Negotiation, From Charles Shilling To S. R. Sapirie, 1/27/59.

**DOE-051094-A-391** Correspondence; 3 documents, 7 pages.; Financial Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707049. *Date:* 12/29/77 *From:* DOE and Vanderbilt. *To:* N/A. *Re:* Procurement Requests, Title of Experiment: Radioisotope Studies Utilizing a Low Level Whole Body Counter and Clinical Applications of Activation Analysis. *Contents:* Letter: Request For Contract Action, *From:* A. H. Frost, *To:* Charles W. Hill, 12/29/77 Includes Procurement Commitment / Obligation Record, Procurement Request, and Financial Statement From Vanderbilt University.

**DOE-051094-A-392** Financial Records; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 13, 707049. *Date:* *From:* N/A. *To:* N/A. *Re:* Research Program and Cost Estimate.

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**DOE-051094-A-399** Publications; 1 document, 11 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): Box 15, 707610. *Date:* 01/01/75 *From:* E. F. Oakberg. *To:* N/A. *Re:* Effects of Radiation On the Testis.

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**DOE-051094-A-476** Correspondence; 5 documents, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702039 - 702044. *Date:* 12/08/53; 12/16/53 *From:* N/A. *To:* N/A. *Re:* Set of Correspondence Related To Upshot / Knothole Tests In Nevada. *Contents:* 1. Letter *From:* John Bugher *To:* Wilbur Kellum, Concerning Upshot - Knothole Tests, 12/8/53. 2. Letter *From:* Wilbur Kellum *To:* John Bugher Concerning Effective Work Of Members On Nevada Tests, 12/16/53.3. Letter *From:* John Bugher *To:* H. Lamont Pugh, Suggests That Commander Cronkite Be Permitted To Serve As a Member Of American Delegation. 4. Letter *From:* H. L. Pugh *To:* John Bugher, Permission For commander Eugene Cronkite To Attend Conference To Exchange Classified Information On Human & Environmental Weapons Effects, 12/21/53. 5. Draft Statement On DOD Responsibility For Troop Safety At Nevada Tests, 12/15/52

**DOE-051094-A-477** Correspondence; 2 documents, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702080. *Date:* 07/15/58; 04/14/58 *From:* Paul S. Henshaw. *To:* C. W. Shilling. *Re:* Organization of Research In Human Radiobiology. *Contents:* Letter *From:* Paul Henshaw *To:* C. W. Shilling, Advisory Committees For Human Radiobiology As a Subdivision Under Programmatic Category "Whole Body Irradiation Syndrome", 7/15/58

**DOE-051094-A-478** Correspondence; 32 documents, 76 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701984 - 702183. *Date:* 12/06/54; 11/03/54 *From:* Bernard Nebel. *To:* Wolfgang van Kann. *Re:* Reply to Letter of 11/3/54, In Which Wolfgang Offers Himself a Human Guinea Pig In Atomic Research. *Contents:* 701985 - *To:* The War Ministry *From:* Wolfgang van Kann, Translated, 11/3/54701986 - Letter *From:* Wolfgang van Kann, Not Translated, 11/3/54701987 - Letter *From:* Charles Dunham *To:* William Westover, Reply to Letter Regarding Experimentation In Medical Research, 2/11/54.701993 - Reply to Letter of 3/27/55 *To:* Harold G. Ramsdell *From:* John C. Bugher, 4/11/55 701994 - Reply to Letter of 3/30/55 *To:* Charles Luntz *From:* John C. Bugher, 4/11/55 701995 - Reply to Letter of 3/23/55 *To:* Lewis L. Strauss *From:* Robert H. Clagett, 4/4/55 701996 - Reply to Letter of 3/8/55 *To:* Robert H. Clagett *From:* John C. Bugher, 3/23/55 701997 - Reply to Letter of 2/20/55 *To:* Lewis G. Pickens *From:* John C. Bugher, 3/17/55 702016 - Reply to Letter of 3/17/48 *To:* Patrick J. O'Connor *From:* John Bowers, 3/17/48 702155 - Reply to Letter, *To:* Robert Hayman *From:* John Bowers, 6/25/43 702157 - Reply to Letter Addressed To the President of the United States, *To:* Mr. Clodfelter *From:* G. Failla, 2/25/48702158 - Reply to Letter Addressed To David E. Lilienthal, *To:* A. H. Gill *From:* John Bowers, 2/18/48 702159 - Letter Regarding Animal Experimentation *To:* Righi Bruno & Dardi Davide, *From:* Charles Dunham, 11/6/53 702160 - Letter From Righi Bruno & Dardi Davide, *To:* Charles Dunham 702162 - Reply to Letter of 8/8/53, *To:* Ernest A. Maganello *From:* John C. Bugher, 8/12/53. 702163 - Handwritten Letter 702164 - Handwritten Letter 702165 - Reply to Letter of 7/20/53, *To:* Clarence Freund *From:* John C. Bugher, 7/28/53 702166 - Reply to Letter of 4/14/53, *To:* Honorable Edwin C. Johnson, 4/22/53 702167 - Reply to Letter Regarding Human Guinea Pig, 7/24/53702168 - Reply to Letter Regarding Human Guinea Pig, 6/26/53702169 - Reply to Letter of 4/16/53, *To:* Jacob C. Korman *From:* John C. Bugher, 4/30/53 702170 - Transmittal of Letter, 4/24/53 702171 - Reply to Letter of 4/14/53, *To:* Honorable Edwin Johnson, 4/22/53 702172 - Reply to Letter of 4/6/53, *To:* Walter Allen, *From:* John C. Bugher, 4/14/53 702173 - Reply to Letter of 4/6/53, *To:* Robert H. Lippert *From:* Howard C. Brown, 4/14/53 702180 - Reply to Letter of 3/23/53 *To:* Jesse Paul Malone *From:* John C. Bugher, 4/2/53 702181 - Letter of Intention To Be A Guinea Pig, *From:* Lloyd N. Bruton *To:* AEC, 3/26/53 702184 - Reply to Letter of 3/26/53 *From:* John C. Bugher *To:* Lloyd Bruton, 4/2/53 702182 - Reply to Letter of 3/25/53 *To:* Robert Lippert *From:* John C. Bugher, 4/2/53 702183 - Reply to Memo, 9/29/52

**DOE-051094-A-479** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702110. *Date:* 05/13/53 *From:* Charles Dunham. *To:* Dr. S. Kent Conner. *Re:* Research On Effects of Uranium Ore.

**DOE-051094-A-480** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702156. *Date:* 04/27/48 *From:* Evertt Idris Evans. *To:* John Bowers . *Re:* Medical - Legal Aspects of Experimental Use of Isotopes.

**DOE-051094-A-481** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701928. *Date:* 02/16/51 *From:* L. W. Tuttle. *To:* Joseph G. Hamilton. *Re:* Possible DBM Research Projects at Crocker Lab.

**DOE-051094-A-482** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702178 - 1702179. *Date:* 05/20/52; 04/30/52 *From:* Shields Warren. *To:* Kenneth Taber. *Re:* Proposal For Studies of ACTH in Humans Exposed to Total Body Radiation. *Contents:* 2. Letter: Treatement of Fission Bomb Casualties *To:* Gordon Dean, *From:* Kenneth Taber, 4/30/52

**DOE-051094-A-483** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702061. *Date:* 01/25/50 *From:* Leon Jacobson. *To:* Alfred Chanutin. *Re:* Iron Distribution After X Radiation.

**DOE-051094-A-484** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701966. *Date:* 05/25/54 *From:* Wlater Claus. *To:* Col. R. G. Butler. *Re:* Health and Safety Aspects of "Benny".

**DOE-051094-A-485** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701922. *Date:* 05/04/50 *From:* John H. Lawrence. *To:* C. J. Van Slyke. *Re:* John Gofman's Application For Studies On Lipoproteins In Atherosclerosis.

**DOE-051094-A-486** Correspondence; 7 documents, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701967 - 701973. *Date:* 03/31/54; 02/11/54 *From:* AEC. *To:* N/A. *Re:* Set of Correspondence Regarding Strontium Studies.

**DOE-051094-A-487** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702050. *Date:* 02/10/50 *From:* Robert Stone. *To:* Shields Warren. *Re:* Cobalt - 60 Bomb.

**DOE-051094-A-488** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707297. *Date:* *From:* N/A. *To:* N/A. *Re:* Research and Medicine - Program and Status.

**DOE-051094-A-489** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707296. *Date:* 08/28/46 *From:* Wm. Fleming. *To:* Chief Security Division. *Re:* Attached Letter From Dr. Chanutin.

**DOE-051094-A-490** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707356. *Date:* 10/24/47 *From:* R. G. Hamphines. *To:* Jerry Holland. *Re:* Information Meeting for Biology and Medicine at Clinton National Laboratory.

**DOE-051094-A-491** Correspondence; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707533. *Date:* 02/06/90 *From:* Harold Monroe. *To:* N/A. *Re:* Data for Determining Possible Implications of the Beir V Report.

**DOE-051094-A-492** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707513. *Date:* 11/29/89 *From:* William Burr. *To:* Larry Radcliffe. *Re:* Beryllium Worker Follow-up Study: Feasibility.

**DOE-051094-A-493** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707493. *Date:* 04/17/47 *From:* O. G. Haywood. *To:* Dr. Fidler. *Re:* Medical Experiments on Humans.

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**DOE-051094-A-494** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707486. *Date:* 07/02/48 *From:* J. C. Franklin. *To:* F. H. Belcher. *Re:* Rala Source.

**DOE-051094-A-495** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707429. *Date:* 09/20/45 *From:* Andrew Dowdy. *To:* N/A. *Re:* Proposal For A Biological Progress With High Energy Radiation From the Betatron.

**DOE-051094-A-496** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707424. *Date:* 09/20/45 *From:* N/A. *To:* N/A. *Re:* Proposal For A Biological Program With High Energy Radiation From the Betatron.

**DOE-051094-A-497** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707424. *Date:* 09/19/46 *From:* Andrew Dowdy. *To:* Col. William D. Fleming. *Re:* Seeks Approval For Biological Program With High Energy Radiation From Betatron.

**DOE-051094-A-498** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707351. *Date:* 01/16/48 *From:* Shields Warren. *To:* A. Hollaender. *Re:* Short - Term Experiment on Small - Scale To Determine Value of Rutin in Preventing the Capillary Hemorrhage Due To Radiation Injury.

**DOE-051094-A-499** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707345. *Date:* 02/26/46 *From:* H. Friedell. *To:* K. D. Nichols. *Re:* Future Medical Research Program.

**DOE-051094-A-500** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707339. *Date:* 05/31/46 *From:* J. S. Chapman. *To:* A. V. Peterson. *Re:* Experimental Program at Western Reserve University.

**DOE-051094-A-501** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707341. *Date:* 04/29/46 *From:* Stafford Warren. *To:* Brigadier. *Re:* Experimental Program At Western Reserve University. *Contents:* War Department

**DOE-051094-A-502** Reports; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707132. *Date:* 10/08/47 *From:* N/A. *To:* Advisory Board On Medicine and Biology. *Re:* Medical Policy.

**DOE-051094-A-503** Correspondence; Correspondence; 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707572. *Date:* 11/16/93 *From:* N/A. *To:* N/A. *Re:* Regarding Plutonium Injections.

**DOE-051094-A-504** Correspondence; Correspondence; 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14). *Date:* 06/28/46 *From:* Lewis Weed. *To:* Major General Norman T. Kirk. *Re:* Regarding Large Range Study of Atomic Bomb Effects.

**DOE-051094-A-505** Correspondence; 2 documents, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707322. *Date:* 06/19/46 *From:* K. D. Nichols. *To:* Surgeon General. *Re:* Radioisotopes For Human Application.

**DOE-051094-A-506** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707336. *Date:* 04/29/46 *From:* Stafford Warren. *To:* Brigadier General K. D. Nochols. *Re:* Experimental Program At Western Reserve.

**DOE-051094-A-507** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185,

703000-706949: Box 14, 707337. *Date:* 12/19/46 *From:* Joe. W. Holland. *To:* H. L. Friedell. *Re:* Toxicity of Thorium and Biological Affects of Ionizing Radiation.

**DOE-051094-A-508** Correspondence; 3 documents, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707364. *Date:* 07/16/48; 08/16/48 *From:* A. Brues, A. Holland, H. Lisco. *To:* N/A. *Re:* Conclusions about effects of radioactive material and / or waves.

**DOE-051094-A-509** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707360. *Date:* 05/04/48 *From:* L. Joe Deal. *To:* A. Holland. *Re:* Report on Information Meeting at Brookhaven.

**DOE-051094-A-510** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707304. *Date:* 01/14/46 *From:* B. J. Mears. *To:* Major J. L. Ferry. *Re:* Progress Report For the Months of November and December 1945.

**DOE-051094-A-511** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707292. *Date:* 12/03/47 *From:* Albert Holland. *To:* F. A. Culatty. *Re:* Progress Report For 1947.

**DOE-051094-A-512** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707290. *Date:* 08/27/48 *From:* J. C. Franklin. *To:* N/A. *Re:* Radiological Warfare Program.

**DOE-051094-A-513** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707373. *Date:* 05/06/48 *From:* Jack Moshmar. *To:* A. Holland. *Re:*

**DOE-051094-A-514** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707309. *Date:* 02/03/48 *From:* A. Holland. *To:* Shields Warren. *Re:* Problem of Carbon - 14 Generation.

**DOE-051094-A-515** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707289. *Date:* 12/10/52 *From:* Herman M. Roth. *To:* Kenneth Kasschau. *Re:* RW Requirements.

**DOE-051094-A-516** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707308. *Date:* 12/09/47 *From:* Carroll Wilson. *To:* J. C. Franklin. *Re:* Procedure for Medico - Legal Claims.

**DOE-051094-A-517** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707298 and 707302. *Date:* 09/12/47 *From:* R. W. Cooks. *To:* Carroll Wilson. *Re:* Recommended Procedure For Medico - Legal Claims.

**DOE-051094-A-518** Correspondence; 4 documents, 13 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707300, 707299, 707301, 707305. *Date:* 10/24/47; 10/27/94 *From:* J. C. Franklin. *To:* Carroll Wilson. *Re:* Recommended Procedure for Medico - Legal Claims and Transmittal of Memorandum Concerning Procedure for Medico - legal Claims.

**DOE-051094-A-519** Correspondence, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 15, 707689. *Date:* 07/14/48 *From:* J. H. Robinson. *To:* K. Z. Morgan. *Re:* AHRUU Project / Single Source Experiment.

**DOE-051094-A-520** Correspondence, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 15, 707693. *Date:* 07/02/48 *From:* Walter J. Williams. *To:* J. C. Franklin. *Re:* Radiological Warfare Program / Field Test Instructions.

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**DOE-051094-A-521** Correspondence, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 15, 707629. *Date:* 06/29/48 *From:* J. H. Robinson. *To:* K. Z. Morgan. *Re:* Radiological Warfare Program.

**DOE-051094-A-522** Publications; 3 documents, 28 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6). *Date:* 03/03/72 *From:* Victor A. Marcial. *To:* N/A. *Re:* Split - Course Radiation Therapy Project. *Contents:* 2. Publication: Fractionation In Radiation Therapy of Carcinoma of the Uterine Cervix: Results of Perspective Study of 3 Vs. 5 Fractions Per Week, V. A. Marcial and A. Bosch 3. Publication: Complications After Radiation Therapy For Cervical Carcinoma, A. Bosch and Zenaida Frias.

**DOE-051094-A-523** Publications; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6). *Date:* 06/01/55 *From:* Robert Hodges, Titus Evans, James Bradbury. *To:* N/A. *Re:* Accumulation of Radioactive Iodine by Human Fetal Thyroids. *Contents:*

**DOE-051094-A-524** Publications; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6). *Date:* 05/31/67 *From:* Victor Marcial, Maria Blanco, Eduardo De Leon. *To:* N/A. *Re:* Persistent Tumor Cells in the Vaginal Smear During The First Year After Radiation Therapy of Carcinoma of the Uterine Cervix.

**DOE-051094-A-525** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6). *Date:* 06/22/84 *From:* Roy Thompson. *To:* Sid Marks. *Re:* Human Experimentation.

**DOE-051094-A-526** Publications; 9 documents, 98 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6, 703812. *Date:* 11/15/66; 01/01/67 *From:* Oscar Vilar. *To:* N/A. *Re:* An Electron Microscope Study of Cultured Rat Testicular Fragments, 11/15/66. *Contents:* 2. Postnatal Histogenesis and Endocrine Function of Abnormal Testes In the AxC Rat (24105)3. Electron Microscopy of Isolated Rat Testicular Cells Grown In Vitro, 5/5/66 4. The Sertoli Cell As a "Bridge Cell" Between the Basal Membrane and the Germinal Cells, 1/2/62 5. Incorporation By the Kidney of Fluorescent Pituitary Hormones, 2/5/64 6. Extravascular and Intratubular Diffusion of Labeled Serium Proteins In the Rat Testis, 12/17/64 7. Cytochemical Study Hydroxysteroid Dehydrogenase In Testicular Cells Grown In Vitro 8. Premature Menopause In XO/XX/XXX/XXXXX Mosaicism, 1/1/679. Klinefelter's Syndrome and Its Variants: A Hormonal and Chromosomal Study

**DOE-051094-A-527** Correspondence; 14 documents, 17 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702151 - 702154. *Date:* 12/19/50; 12/08/51 *From:* AEC Public Information Service. *To:* N/A. *Re:* Set of Correspondence Regarding Reported Arizona State Prison Experiments.

**DOE-051094-A-528** Publications; 1 document, 14 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707291. *Date:* 08/01/48 *From:* J. L. Svirbely. *To:* W. P. Jolley. *Re:* Health Division Research Progress Report.

**DOE-051094-A-529** Publications, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707571. *Date:* 01/01/67 *From:* Gould Andrews. *To:* N/A. *Re:* Radiation Accidents and Their Management. *Contents:* ORINS - Radiation Research Supplement 7, 1967

**DOE-051094-A-530** Publications; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707571. *Date:* 10/01/66 *From:* G. A. Andrews. *To:* N/A. *Re:* Treatment of Radiation Injury.

**DOE-051094-A-531** Publications, 17 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707571. *Date:* 01/01/69 *From:* G. A. Andrews, E. Balish, C. L. Edwards, R. M. Kinsley. *To:* C. C. Lushbaugh. *Re:* Possibilities For Improved Treatment of Persons Exposed In Radiation Accidents.

**DOE-051094-A-532** Publications; 2 documents, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707570. *Date:* 10/01/81 *From:* N/A. *To:* N/A. *Re:* Report On

Congressional Hearing and Oversight House Science and Technology Subcommittee on Investigations and Oversight Regarding "Mother Jones" Controversy. *Contents:* News articles: Gore Investigates Radiation Clinic

**DOE-051094-A-533** Publications, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707566. *Date:* 09/01/65 *From:* Gould A. Andrews. *To:* N/A. *Re:* Total Body Irradiation in the Human Being.

**DOE-051094-A-534** Publications, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707518. *Date:* 01/01/89 *From:* Ethel Gilbert, Shirley Fry, Laurie Wiggs, George Voelz, Donna Cragle, Gerald Petersen. *To:* N/A. *Re:* Analyses of Combined Mortality Data On Workers at the Hanford Site, ORNL & Rockey Flats Nuclear Weapons Plant.

**DOE-051094-A-535** Meetings; 2 documents, 55 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702078. *Date:* 09/30/58; 08/25/58 *From:* AEC. *To:* N/A. *Re:* Agenda: Effects of Environmental Radiation on Human Beings. *Contents:* 2. Hand Out For Comment and Discussion: Criteria of Aging, 8/25/58

**DOE-051094-A-536** Correspondence, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702101. *Date:* 11/30/59 *From:* H. A. Stanwood. *To:* C. L. Dunham. *Re:* Commission Meeting With Laboratory Directors - Role of the National Laboratories.

**DOE-051094-A-537** Meetings; 1 document, 15 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701959, 701964. *Date:* 02/14/52 *From:* Joint Panel on Medical Aspects of Atomic Warfare. *To:* N/A. *Re:* Agenda, Attendance Lists, Other Documents Related to Meetings.

**DOE-051094-A-538** Meetings; 2 documents, 68 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702071 and 702073. *Date:* 01/01/55; 11/06/55 *From:* Isotope Division, AEC, Subcommittee On Human Applications. *To:* N/A. *Re:* Agenda and Minutes of Meetings May and November 1955. *Contents:* 1. Meeting of Subcommittee On Human Applications Proposed Agenda, 11/5/55 & 11/6/55 2. Meeting of Subcommittee On Human Applications Proposed Agenda, 5/7/55 & 5/8/55

**DOE-051094-A-539** Correspondence; 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707357. *Date:* 03/01/48 *From:* A. Holland. *To:* N/A. *Re:* Information Meeting, 3/48.

**DOE-051094-A-540** Reports, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707350. *Date:* 03/26/48 *From:* N/A. *To:* N/A. *Re:* Information Meeting For Biology and Medicine.

**DOE-051094-A-541** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707439. *Date:* 09/05/46 *From:* War Department. *To:* N/A. *Re:* Agenda For Medical Advisory Committee Meeting.

**DOE-051094-A-542** Meetings; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707407. *Date:* 09/05/46 *From:* N/A. *To:* N/A. *Re:* Agenda For Medical Advisory Committee Meeting.

**DOE-051094-A-543** Meetings; 1 document, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707492. *Date:* 07/01/48 *From:* John Shilling. *To:* N/A. *Re:* Meeting Notes On Radiological Warfare Conferences - 6/26 - 29/48.

**DOE-051094-A-544** Meetings, 64 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707565. *Date:* 09/23/81 *From:* N/A. *To:* N/A. *Re:* Statements Before Subcommittee On Investigations and Oversight Committee on Science and Technology. *Contents:* Includes statements *From:* William R. Bibb, Frank V. Comas, Clarence C. Lushbaugh, Helen Vodopick, Karl F. Hubner, Anne Sipe

## *Sources and Documentation*

**DOE-051094-A-545** Meetings, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707442. *Date:* 12/06/46 *From:* N/A. *To:* N/A. *Re:* Minutes of Medical Committee.

**DOE-051094-A-546** Financial Records; 18 documents, 41 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6). *Date:* 06/16/70; 01/18/71 *From:* S. H. Tumlinson. *To:* Director of Biology and Medicine. *Re:* Regarding Notification of Contract Negotiation, Pgs. 4. *Contents:* 2. Letter *From:* S. H. Tumlinson *To:* D. R. Baldwin, Regarding Contract AT-45-1-2225, Task Agreement No. 6 Pgs. 43. Statement of Costs, Pgs. 4 4. Letter From C. Alvin Paulsen *To:* Frank T. Brooks, Regarding National Symposium On Natural and Manmade Radiation In Space, 3/14/71 5. Statement of Costs 6. Letter *From:* C. A. Paulsen *To:* Frank T. Brooks, Regarding National Symposium On Natural and Manmade Radiation In Space, 3/14/71 7. Abstract Regarding Inmate Volunteers At Washington State Penitentiary 8. Contract Authorization For Effect of Irradiation On Human Testis: Changes In Spermatogenesis, Chromosomal Morphology, Leydig Cell Function of Radiation Dose 9. Letter *From:* C. Paulsen *To:* Franks Brooks, Regarding Request For More Funds, 1/18/71 10. Effects of X-Ray Irradiation On Human Spermatogenesis11. Contract Correspondence

**DOE-051094-A-547** Financial Records, 31 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12). *Date:* 12/26/46 *From:* Robley Evans. *To:* N/A. *Re:* Medical Aspects of Atomic Energy, Particularly in Relation to Blood Cells.

**DOE-051094-A-548** Experiment Records; 2 documents, 26 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702026 - 702027. *Date:* 01/01/50 *From:* Harvard University. *To:* Office of Naval Research. *Re:* Funding Request For Continuation of Research Contract # N5ORI - 76, Project 7. *Contents:* 2. Medical Research June 1948 - May 1950, Proposals From Several Researchers Included Aub, Warren, Hastings.

**DOE-051094-A-549** Correspondence, 5 pages. *Source:* Department of Energy. *Date:* 01/01/51 *From:* N/A. *To:* N/A. *Re:* Health Activities - Research.

**DOE-051094-A-550** Financial Records, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701940. *Date:* 06/30/51 *From:* Surgeon General. *To:* N/A. *Re:* Progress Report: Airborne Dosimetry Laboratory.

**DOE-051094-A-551** Reports; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701941. *Date:* 01/16/51 *From:* Air Research and Development Command. *To:* N/A. *Re:* Project Report: Radiation Detection and Decontamination.

**DOE-051094-A-552** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14). *Date:* 05/24/46 *From:* Joseph Wearn. *To:* District Engineer Oak Ridge. *Re:* Western Reserve University Biological Research Associated With Operations of Manhattan Engineer.

**DOE-051094-A-553** Financial Records, 11 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707346. *Date:* 03/05/46 *From:* Stafford Warren. *To:* K. D. Nichols. *Re:* Proposed Medical Research Program, 1946 - 1947.

**DOE-051094-A-554** Financial Records; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707347. *Date:* 06/30/46 *From:* Brichard Brundage. *To:* District Engineer, Manhattan District. *Re:* Budget Review.

**DOE-051094-A-555** Financial Records; 1 document, 6 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707352. *Date:* 11/27/47 *From:* N/A. *To:* N/A. *Re:* Manhattan Genetics Program.

**DOE-051094-A-556** Financial Records; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707423. *Date:* 10/04/46 *From:* W. D. Fleming. *To:* District Engineer, Manhattan. *Re:* Proposed Purchase of Betatron By Rochester Project.

**DOE-051094-A-557** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707422. *Date:* 10/04/46 *From:* N/A. *To:* District Engineer, Manhattan District. *Re:* Proposed Purchase of Betatron by Rochester Project.

**DOE-051094-A-558** Financial Records; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707330. *Date:* 01/01/47 *From:* N/A. *To:* N/A. *Re:* Budget Review - 1/1/47 Contract W7405-ENG-48.

**DOE-051094-A-559** Financial Records, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707334. *Date:* 05/03/47 *From:* Lauren Donaldson. *To:* Major Clarkson. *Re:* Report of Program For Applied Fisheries For the Fiscal Year 1948.

**DOE-051094-A-560** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707335. *Date:* 10/14/46 *From:* District Engineer, Manhattan District. *To:* Joe Howland. *Re:* Proposed Research Contract For Western Reserve University.

**DOE-051094-A-561** Financial Records, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707323. *Date:* 01/13/47 *From:* N/A. *To:* N/A. *Re:* Western Reserve University - Outline of Research Program.

**DOE-051094-A-562** Financial Records; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707324. *Date:* 07/01/47 *From:* N/A. *To:* N/A. *Re:* Schedule of Research Program (Western Reserve University).

**DOE-051094-A-563** Correspondence, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707340. *Date:* 04/26/46 *From:* H. Friedell. *To:* Stafford Warren. *Re:* Biological Research.

**DOE-051094-A-564** Reports, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707303. *Date:* 09/10/47 *From:* R. W. Cook. *To:* Carroll Wilson. *Re:* Draft - Recommended Procedure for Medico - Legal Claims.

**DOE-051094-A-565** Financial Records, 92 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 16, 703748. *Date:* 01/01/72 *From:* C. Alvin Paulsen. *To:* N/A. *Re:* Request For Renewal of AEC Contract #AT(45-1)-225 Task Agreement #6 1970 - 1971 (Terminal Period).

**DOE-051094-A-566** Experiment Records, 174 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6). *Date:* *From:* N/A. *To:* N/A. *Re:* Fact sheets on dozens of DOE Experiments 1945 - 1975.

**DOE-051094-A-567** Correspondence, 13 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701921. *Date:* 05/04/50 *From:* C. J. Van Slyke. *To:* Charles Dunham. *Re:* Record of Telephone Conversation With John Gofman.

**DOE-051094-A-568** Experiment Records, 24 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701925 - 701926, 701932. *Date:* 07/01/49; 04/15/50 *From:* Robert S. Stone. *To:* N/A. *Re:* Progress Report Contract AT-11-1-GEN-10, #2: Biological Effects of Radiations From External and Internal Sources.

**DOE-051094-A-569** Experiment Records, 4 pages.; Reports; Reports; 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701936. *Date:* 03/31/53 *From:* Joint Committee on Atomic Energy. *To:* N/A. *Re:* Brookhaven Laboratory Medical Research Program.

**DOE-051094-A-570** Correspondence, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185,

703000-706949: Box 12, 702030. *Date:* 04/27/51 *From:* Brookhaven National Laboratory. *To:* AEC. *Re:* Press Reporting of Boron / Brain Tumor Experiments.

**DOE-051094-A-571** Experiment Records, 36 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701998 - 701999. *Date:* 06/14/49 *From:* Argonne National Lab - Matthew Block, Leon O-Jacobson, William Neal. *To:* N/A. *Re:* Biological Studies With Arsenic - 76.

**DOE-051094-A-572** Experiment Records, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701989. *Date:* 03/01/53 *From:* J. J. Nickson and G. C. Escher. *To:* N/A. *Re:* Project Report at the PHS, Grant No. C-1551 (c): (1) Exploration of the Ability of ACTH, Cortisone and Allied Substances to Modify Reactions to Ionizing Radiation in Humans and (2) Evaluation of the ability of Systemic Steroid Hormone Administration to Enhance the Response of Mammary Carcinome Tissue to Ionizing Radiation.
DOE-051094-A-573 Experiment Records, 17 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701966. *Date:* 06/17/54 *From:* R. A. Dudley. *To:* N/A. *Re:* Biological Hazard of Radioactive Strontium.

**DOE-051094-A-574** Correspondence, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707348. *Date:* 06/26/46 *From:* B. Brundage. *To:* District Engineer, Manhattan District. *Re:* Present Research Program.

**DOE-051094-A-575** Experiment Records, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707353. *Date:* 09/15/47 *From:* N/A. *To:* N/A. *Re:* Clinton Laboratories Program - Biology Division.

**DOE-051094-A-576** Experiment Records; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 15, 707691. *Date:* 09/15/47 *From:* K. Z. Morgan. *To:* N/A. *Re:* Single Source Lanthanum Test - AHRUU Program.

**DOE-051094-A-577** Experiment Records, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 15). *Date:* 01/06/94 *From:* T. J. Mayo. *To:* N/A. *Re:* Fallout of Uranium During UF6 Releases.

**DOE-051094-A-578** Reports; 1 document, 268 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702089. *Date:* *From:* AEC. *To:* Joint Committee on Atomic Energy. *Re:* Report to the JCAE on the Activities of AEC and its Laboratories.

**DOE-051094-A-579** Reports; 1 document, 67 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 602087. *Date:* 05/11/59 *From:* Joint Committee on Atomic Energy. *To:* N/A. *Re:* AEC Laboratory Hearings - Background Statement for Advance Submission.

**DOE-051094-A-580** Reports, 50 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702082. *Date:* 10/17/59 *From:* AEC, Division of Biology and Medicine. *To:* N/A. *Re:* Role of AEC Laboratories - Draft.

**DOE-051094-A-581** Reports; 1 document, 36 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701980. *Date:* 10/07/63 *From:* AEC, Division of Technical Information.

**DOE-051094-A-582** Correspondence; 3 documents, 16 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 701960 - 701962. *Date:* 02/26/53; 03/17/53 *From:* Joint Committee on Atomic Energy, E. L. Heller. *To:* N/A. *Re:* Biology and Medicine Program of AEC. *Contents:* Memo For Files, Regarding Biology and Medicine Program, *From:* E. Heller, 2/26/53 2. Memo: Comments On Draft Memo On Biology and Medicine Program, *From:* J. C. Bugher *To:* Edward Heller, 3/17/53 3. Memo: Regarding Information For JCAE, Biology and Medicine Program, *From:* Howard Brown *To:* Branch Chiefs, 3/3/53

**DOE-051094-A-583** Reports; Reports; 21 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702067. *Date:* 06/09/49 *From:* AEC. *To:* N/A. *Re:* Biology and Medicine.

**DOE-051094-A-584** Reports, 12 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702000 - 702001. *Date:* 06/09/49 *From:* Argonne National Laboratory. *To:* N/A. *Re:* Program of ANL FY 1950.

**DOE-051094-A-585** Reports, 21 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702074 - 702077. *Date:* 02/19/52 *From:* AEC Division of Biology and Medicine. *To:* N/A. *Re:* Monthly Status and Progress Report 1/52, 2/52, 6/53, 11/53. *Contents:* Progress Reports For January 1952, Pgs. 7, February 1952, Pgs. 7, June 53 Pgs. 7November, 1953, Pgs. 2

**DOE-051094-A-586** Reports; 2 documents, 15 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702115. *Date:* 08/13/74 *From:* AEC. *To:* N/A. *Re:* Final Report, Disclosure to Patients Injected With Plutonium. Report on inquiry into whether Pu injectees were fully informed, also recommendations on remedial actions

**DOE-051094-A-587** Reports; 2 documents, 14 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702148. *Date:* 04/29/74 *From:* James Liverman. *To:* N/A. *Re:* Briefing on Plutonium Project. *Contents:* 2. Letter *From:* Robert Sachs *To:* James Liverman, Regarding Patients Injected With Plutonium, 4/26/74

**DOE-051094-A-588** Reports; 3 documents, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702144 - 45. *Date:* 01/30/74 *From:* James Liverman. *To:* Senator Frank Church. *Re:* Program of Research on Aging Sponsored by the AEC. *Contents:* 2. Letter *From:* Frank Church *To:* Dixy Lee Ray, Regarding Recent Report From Senate Special Committee on Aging, 12/21/73. 3. Program of Research On Aging, 12/21/73

**DOE-051094-A-589** Reports; 1 document, 19 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702069. *Date:* 10/10/55 *From:* Division of Biology and Medicine, AEC. *To:* N/A. *Re:* Summary of Some Physical and Biological Relationships Involved With Protection of Personnel Against Excessive Exposure to Radiation.

**DOE-051094-A-590** Reports; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702146. *Date:* 02/06/73 *From:* AEC. *To:* Senator Frank Church. *Re:* Program of Research on Aging Sponsored by the AEC in 1972.

**DOE-051094-A-591** Reports; 4 documents, 14 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702014, 702015, 70217, 70218. *Date:* 09/13/48 *From:* AEC, Division of Biology and Medicine. *To:* N/A. *Re:* Cancer Research and DBM. *Contents:* 1. Letter: Regarding List of Grants Through Office of Naval Research, *From:* Shields Warren *To:* J. E. Spike, 9/13/48 2. List of Requested Information Regarding Cancer Research3. Letter *From:* David Lilienthal To Honrable B. Hickenlooper, Regarding Final Approval of the Cancer Research Program, 1/15/48.4. Report: A Plan For A Cancer Research Program For the Atomic Energy Commission, 1/5/48.

**DOE-051094-A-592** Reports; 1 document, 11 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14). *Date:* 10/24/85 *From:* Ed Markey. *To:* Secretary Herrington. *Re:* Letter With Portion of Report On TBI.

**DOE-051094-A-593** Reports; 1 document, 12 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14, 707361. *Date:* 12/04/46 *From:* A. Hollaender. *To:* N/A. *Re:* Monsanto Chemical Company, Clinton Laboratories Outlines of Research of Biology Division.

**DOE-051094-A-594** Reports; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311,

701567-702185, 703000-706949: Box 14, 707331. *Date:* 07/01/48 *From:* N/A. *To:* N/A. *Re:* Proposed Research, Oak Ridge, 7/1/47 - 7/1/48.

**DOE-051094-A-595** Reports; 1 document, 24 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 14 , 707293. *Date:* *From:* N/A. *To:* N/A. *Re:* Inventory of Technical and Scientific Reports (Confidential and Secret) of Medical Division Office of the Medical Advisory.

**DOE-051094-A-596** Reports; 3 documents. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 15, 707736. *Date:* 12/31/64; 12/31/66 *From:* Oak Ridge Institute Nuclear Studies. *To:* N/A. *Re:* Research Report - Medical Division. *Contents:* Reports for 12/31/64, 12/31/65,

**DOE-051094-A-597** Reports; 3 documents. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 15, 707736. *Date:* 12/31/67; 12/31/69 *From:* Oak Ridge Associated Universities. *To:* N/A. *Re:* Research Report Medical Division 1967, 1968, 1969. *Contents:*

**DOE-051094-A-598** Publications; 1 document, 21 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6, 704307. *Date:* 04/01/70 *From:* Allen B. Silberstein, Bernard S. Aron, Leslie L. Alexander. *To:* N/A. *Re:* Para-Aortic Lymph Node Irradiation in Cervical Carcinoma. *Contents:*

**DOE-051094-A-599** Publications; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 5, 7031139. *Date:* *From:* N/A. *To:* N/A. *Re:* State to Boost Study of Fall-Out. *Contents:*

**DOE-051094-A-600** Publications, 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 6). *Date:* 07/01/55 *From:* Roy Albert, Lawrence Arnett. *To:* N/A. *Re:* Clearance of Radioactive Dust From the Human Lung. *Contents:* AMA Archives of Industrial Health

**DOE-051094-A-601** Reports; 1 document, 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 2, 701550. *Date:* 04/01/58 *From:* N/A. *To:* N/A. *Re:* H-1 Program For Bayo Canyon Shot.

**DOE-051094-A-602** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 2, 701548. *Date:* 04/02/56 *From:* Dean Meyer. *To:* T. L. Shipman. *Re:* Use of Rendija Canyon For Real Estate Development.

**DOE-051094-A-603** 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), CIC Doc. #s 700000-701311, 701567-702185, 703000-706949: Box 12, 702133. *Date:* 03/05/51 *From:* Shields Warren, Director Division of Biology and Medicine (AEC). *To:* Leslie M. Redman, Division, Los Alamos National Laboratory. *Re:* Concerning Policies On Human Experimentation. letter re human experimentation policy citing '47 Wilson statement

**DOE-051094-A-604** Experiment Records; 1 document, 1 page. *Source:* Department of Energy. *Date:* 05/02/46 *From:* N/A. *To:* N/A. *Re:* Consent for Operation and/or Administration of Anaesthetic. *Contents:* Consent form signed by a witness attesting to consent of CAL-2's mother for procedure. The form, however, was signed after the plutonium injection, and likely was intended to apply to something other than the injection.

**DOE-051094-A-605** Experiment Records; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 06/11/46 *From:* Loren J. Larson, Assistant in Orthopaedic Surgery. *To:* N/A. *Re:* Memorandum in CAL-2's patient records. *Contents:* Medical information recorded by one of CAL-2's doctors.

**DOE-051094-A-606** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 09/13/68 *From:* Patricia W. Durbin. *To:* William E. Lotz. *Re:* Letter RE subjects of the MED plutonium injections. *Contents:* Durbin writes to DBM advocating a follow-up study of the subjects of the plutonium experiments (similar to Robley Evan's study of radium).

**DOE-051094-A-607** Reports; 1 document. *Source:* Department of Energy. *Date:* 05/24/74 *From:* N/A. *To:* N/A. *Re:* Patients Injected with Plutonium (Draft Report of 5-24-74). *Contents:* Report on status of informed consent with surviving plutonium injection subjects undergoing follow-up.

**DOE-051094-A-608** Reports; 1 document, 4 pages. *Source:* Department of Energy. *Date:* 11/08/73 *From:* R. E. Rowland. *To:* N/A. *Re:* Plutonium Studies at the Center for Human Radiobiology (CHR). *Contents:* Summary of follow-up of plutonium injection subjects undertaken by Argonne National Laboratory's Center for Human Radiobiology in 1972.

**DOE-051094-A-609** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 01/22/51 *From:* Leslie Redman. *To:* Alberto Thompson. *Re:* Query on AEC human experimentation policy. letter and handwritten memo (signed SW)

**DOE-051094-A-610** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 08/19/48 *From:* Dr. Warren. *To:* Albert Holland. *Re:* Review of Document. A letter stating the reasons for not declassifying CAL-Z report

**DOE-051094-A-611** Correspondence; 2 documents, 5 pages. *Source:* Department of Energy. *Date:* 07/15/74 *From:* Wilson Edmonds. *To:* Jon Anderson. *Re:* DBER --Request to Locate Mr. Ebb Cade. resuts of inquiry and death certificate

**DOE-051094-A-612** Experiment Records; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/20/45 *From:* N/A. *To:* N/A. *Re:* Discharge Summary Form. discharge form for Eda Schultze

**DOE-051094-A-613** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 06/05/47 *From:* Carroll Wilson. *To:* Robert Stone. *Re:* No title. Analysis and clarification fo declassification policyies

**DOE-051094-A-614** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/12/47 *From:* Carroll Wilson. *To:* Robert Stone. *Re:* Declassification of Biological and Medical Papers. Clarification of declassification policy

**DOE-051094-A-615** Experiment Records; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 07/18/47 *From:* N/A. *To:* N/A. *Re:* Elmer Allen chart. chart on Elmer Allen. CAL-3, including doc signalling consent

**DOE-051094-A-616** Reports; 1 document, 1 page. *Source:* Department of Energy. *Date:* 06/13/73 *From:* I.E. Kirsh. *To:* N/A. *Re:* Center for Human Radiobiology: Radiologists Report. report on Elmer Allen's condition

**DOE-051094-A-617** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 10/09/48 *From:* Albert Holland. *To:* Shields Warren. *Re:* Review of Documents. Letter stating that classification should remain secret

**DOE-051094-A-618** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 11/15/74 *From:* IE Kirsh. *To:* N/A. *Re:* Center for Human Radiobiology:Radilogists report--Jean Daignault. post-exhumation report

**DOE-051094-A-619** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 08/28/74 *From:* N/A. *To:* N/A. *Re:* Acknowledgement of Disclosure. disclosure form

**DOE-051094-A-620** Correspondence; 2 documents, 23 pages. *Source:* Department of Energy. *Date:* 09/03/63 *From:* Karl Morgan. *To:* WH Jordan. *Re:* Prposed Study of Distribution and Excretion of Enriched Uranium in Man. cover letter and proposal

**DOE-060794-B-1** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 05/02/45 *From:* S.G. English. *To:* J.E. Wirth. *Re:* Questions on the Toxicity and Behavior of Product in the Body.

**DOE-060794-B-2** Experiment Records; 1 document, 16 pages. *Source:* Department of Energy. *Date:* 09/01/78 *From:* Gilbert Lawrence, Frank Hendrickson, Lionel Cohen. *To:* N/A. *Re:* Protocol to Study Neutron Irradiation in the Treatment of Non-Resectable tumors of Salivary Gland, Pancreas, Lung, and other selected sites. *Contents:* Neutron Therapy Experimental Protocols

**DOE-060794-B-3** Experiment Records; 1 document, 29 pages. *Source:* Department of Energy. *Date:* 01/01/74 *From:* RTOG Protocols. *To:* N/A. *Re:* Protocol to Study Nuetron Therapy in the Treatment of Squamous Cell Carcinoma of the Oral Cavity Using Radiation Therapy Following Chemotherapy as the only Planned Treatment Modality.

**DOE-060794-B-4** Experiment Records; 1 document, 29 pages. *Source:* Department of Energy. *Date:* 04/12/82 *From:* Moshe H. Maor. *To:* N/A. *Re:* Phase I/II Dose Searching Study of Fast Neutron Irradiation in the Treatment of Advanced Head and Neck Cancer.

**DOE-060794-B-5** Experiment Records; 1 document, 42 pages.; Publications. *Source:* Department of Energy. *Date:* 07/16/79; 05/01/85 *From:* Frank Hendrickson. *To:* N/A. *Re:* Experiment: A Phase I/II for the Evaluation of Misonidazole Conbined with Nuetron Radiation in the Treatment of Patients with Malignant Glioma. Journal: "Fast Neutrons and Misonidazole for Malignant Astrocytomas.".

**DOE-060794-B-6** Experiment Records; 2 documents, 42 pages.; Publications. *Source:* Department of Energy. *Date:* 07/01/79; 09/03/86 *From:* G.E. Laramore, Thomas Griffin. *To:* N/A. *Re:* Exp.:Phase III Randomized Protocol to Study Fast Nuetron and Mixed Beam (Neutron/Photon) Radiation Therapy in the Treatment of Localiced, Inoperable non-Oat Cell Cancer of the Lung (Squamous cell, Adenocarcinoma and Large Cell Undifferentiated type), Journal: "Fast Neutron and Mixed Beam Radiotherapy for Inoperable Non-Small Cell Carcinoma of the Lung.".

**DOE-060794-B-7** Reports; 1 document, 13 pages. *Source:* Department of Energy. *Date:* 11/06/75 *From:* N/A. *To:* N/A. *Re:* Code of Federal Regulations 45 CFR 46, "Protection of Human Subjects".

## *Sources and Documentation*

**DOE-060794-B-8** Publications; 6 documents, 58 pages. *Source:* Department of Energy. *Date:* 01/01/49 *From:* Sam Threefoot, George Burch, and Paul Reaser. *To:* N/A. *Re:* Various Journal Articles on Na 22 Studies. *Contents:* 1. Journal of Laboratory and Clinical Medicine, 01/49 vol., 34, no. 1, Sam Threefoot Doc. # 702729, "The Biologic Decay Periods of Na in Normal Man, in Patients with Congestive Heart Failure, and in Patients with the Nephrotic Syndrome as Determined by Na 22 as the Tracer." 2. G.E. Burch, and S.A. Threefoot, Doc. # 702739 Theoretic and Experimental Considerations of Biologic Decay Periods: studies in Man with the Use of Na 22." 3. Sam Threefoot, Doc. # 702747, "Relationship of Weight, Venous Pressure and Radiosodium (Na 22) Excretion in Chronic Congestive Heart Failure." 4. Paul B. Reaser and George E. Burch doc # 702746, "Radiosodium Tracer Studies in Congestive Heart Failure."5. George Burch, Sam Threefoot, and Paul Reaser, Doc # 702751, Aspects of the Biologic Decay Periods of Sodium in Normal and Diseased Man." 6. Sam Threefoot, The Journal of Laboratory and Clinical Medicine, Jan, 1949, Vol. 34, no.1, doc. # 702754 "The Biologic Decay periods of Na in Normal Man, In Patients with Congestive Heart Failure, and in Patients with the Nephrotic Syndrome as Determined by Na 22 as the Tracer."

**DOE-060794-B-9** Reports; 1 document, 26 pages. *Source:* Department of Energy. *Date:* 01/01/81 *From:* Fermilab Neutron Therapy Facility. *To:* P.O. box 500, Batavia, Illinois 60510. *Re:* Research Project on Neutron Radiation Therapy.

**DOE-060794-B-10** Experiment Records; 1 document, 68 pages. *Source:* Department of Energy. *Date:* 07/10/46 *From:* Samuel Schwartz, Elaine J. Katz, Lillie Mae Porter, Leon O. Jacobson, and Cecil James Watson. *To:* N/A. *Re:* Studies of the Hemolytic Effect of Radiation.

**DOE-060794-B-11** Experiment Records; 1 document, 19 pages.; Reports. *Source:* Department of Energy. *Date:* 06/01/47 *From:* W.B. Neal, L.O. Jacobson, H. Ducoff, and T. Kelly. *To:* Argonne National Laboratory. *Re:* Arsenic 76 - Preliminary Studies - A Progress Report.

**DOE-060794-B-12** Reports; 1 document, 20 pages. *Source:* Department of Energy. *Date:* 11/06/75 *From:* N/A. *To:* N/A. *Re:* Institutional Review Board Procedures for Radiological Research for American College of Radiology. *Contents:* IRB Procedures

**DOE-060794-B-13** Experiment Records; 1 document, 13 pages. *Source:* Department of Energy (Fermi labs: box 2. doc. # 702245, bate # 0016350-0016362). *Date:* 01/01/93 *From:* N/A. *To:* Fermi labs. *Re:* Fermilabs Nuetron Therapy Facility Publications.

**DOE-060794-B-14** Experiment Records; 1 document, 33 pages. *Source:* Department of Energy. *Date:* 10/01/76 *From:* Lionel Cohen. *To:* Femi Lab. *Re:* Protocol to Study Neutron Therapy in the Treatment of Potentially Operable Patients with Squamous-cellCarcinoma of the oral cavity, pharynx and larynx.

**DOE-060794-B-15** Experiment Records; 1 document, 17 pages. *Source:* Department of Energy (Fermi: box 2, doc # 702203, bate # 0016019-0016035). *Date:* 08/08/80 *From:* Thomas Griffin, George Lardmore. *To:* Fermi lab. *Re:* Phase I/II Protocol to Study Fast Neutron Radiation Therapy in the Treatment of Metastatic Malignant Melanoma.

**DOE-060794-B-16** Experiment Records; 2 documents, 34 pages.; Publications. *Source:* Department of Energy. *Date:* 06/15/78; 09/01/86 *From:* Frank Hendrickson, Lionel Cohen, Simon Kramer. *To:* N/A. *Re:* 1. Efficacy of a Supplementary Neutron Boost Following Irradiation of Squamous Cell Carcinoma of the Oral Cavity, Pharynx and Larynx. 2. Journal: Evaluation of a Neutron Boost in Head and Neck Cancer. *Contents:* Journal : Am J Clin Oncol (CCT) 9(1): 61-66, 1986

**DOE-060794-B-17** Experiment Records; 1 document, 14 pages. *Source:* Department of Energy (Fermi Labs: Box 2 doc. # 702209, bate # 0016125-0016138). *Date:* 01/01/84 *From:* Frank Hendrickson, Thomas Griffin. *To:* N/A. *Re:* A Phase II Protocol for the Evaluation of Accelerated Neutron Radiation in the Management of Patients with Malignant Glioma.

**DOE-060794-B-18** Experiment Records; 2 documents, 30 pages.; Reports. *Source:* Department of Energy. *Date:* 08/01/77; 09/02/83 *From:* Marvin Olson, Simon Kramer, Lawence W. Davis. *To:* N/A. *Re:* Non-Radomized Study of Neutron Therapy in the Treatment of Carcinoma of the Esophagus.

**DOE-060794-B-19** Experiment Records; 3 documents, 47 pages. *Source:* Department of Energy (Fermi Labs: Box 2, doc. # 702189, bate # 0015765-0015794, doc. # 702215, bate # 0016169-0016172, Doc. # 702216, Bate # 0016173-0016185). *Date:* 10/01/78 *From:* Lionel Cohen, Simon Kramer. *To:* N/A. *Re:* Protocol to Study Neutron Therapy in the Treatment of Squamous Cell Carcinoma of the Oral Cavity, Pharynx and Larynx using Radiation Therapy as the Only Treatment Modality. *Contents:* 1. doc. # 702189 Experiment as mention above. 2. doc. # 702215 1983 vol. 9, pp 1267-1270 from International Journal of Radiation Oncology Biology and Physics "Fast Neutron Irradiation of Metastatic Cervical Adenopathy: The Results of a Randomized RTOG Study." 3. doc. # 702217 1984 vol. 10, pp. 2217-2221International Journal of Oncology Biology and Physics "Fast Neutron Radiation Therapy for Unresectable Squamous Cell Carcinomas of the Head and Neck: the Results of a Randomized RTOG Study" 4. doc. # 702218 1984 vol 10., pp. 2211-2215 "Mixed Neutron/Photon Irradiation of Unresectable Squamous Cell Carcinomas of the Head and Neck: The Final Report of a Randomized Cooperative Trial." 5. doc. # 702216 1984

vol. 10 pp 2211-2215, "Mixed Beam Radiation Therapy for Unresctable Squamous Cell Carcinomas of the Head and Neck: The Results of a Randomized RTOG Study.

**DOE-060794-B-20** Correspondence; 6 documents, 42 pages.; Experiment Records. Publications; 6 documents, 42 pages. *Source:* Department of Energy. *Date:* 07/07/77 *From:* David Hussey. *To:* N/A. *Re:* Protocol to study the value of radiation therapy using neutrons in combination with photons in the treatment of clinical stage c adenocarcinoma of the prostate. *Contents:* 1. Memo: from Meg Keiser, RTOG Coordinator to Neutron Prinicipal Investigators and Data Managers. 4/20/83. # 702191. 2. Experiment "Protocol to etc." 7/7/77, # 702192.3. Journal Article "Fast Neutron Radiotherapy in the Treatment of Locally Advanced Adenocacinoma of the Prostate," 1989 Am J Clin Oncol 12(4), # 702224. 4. Journal Article "Fast Neutron Radiotherapy for Locally Advanced Prostate Cancer," Am J Clin Oncol 1993 16(2), # 702225.5. Two more Journal Articles on this experiment # 702226, # 702227.

**DOE-060794-B-21** Experiment Records; 4 documents, 41 pages.; Publications. *Source:* Department of Energy. *Date:* 06/01/77 *From:* Charles Rogers. *To:* N/A. *Re:* Non- Radomized Study of the Valve of Radiation Therapy, Using Neutron Alone of with Photons or of either in combination with Surgery for the Treatment of Clinical Stage B2, C and D1 (Any Grade) Urinary Bladder Carcinoma.

**DOE-060794-B-22** Experiment Records; 6 documents, 38 pages.; Publications. *Source:* Department of Energy. *Date:* 07/14/80 *From:* Thomas Griffin, William Duncan. *To:* N/A. *Re:* A Randomized Study of Neutrons and Conventional Radiotherapy in Malignant inoperable recurrent and unresectable Salivary Gland Tumors. *Contents:* Journal Articles, 70224,1 1993; 702239, 1989; 702238, 1988; 702240 1987;702241, 1993

**DOE-060794-B-23** Experiment Records; 2 documents, 23 pages.; Publications. *Source:* Department of Energy. *Date:* 06/15/78; 12/04/89 *From:* Lionel Cohen, David Hussey M.D. *To:* N/A. *Re:* Protocol to Study Neutron Therapy in the Treatment of Localized Non-Resectable, Non-Oat Cell Cancer of the Lung. *Contents:* 1. Experiment as above, CIC # 702195, bate # 0015874-0015889. 2. Journal Article: Neutron Radiation Therapy for Unresectable Non-Small-Cell Carcinoma of the Lung, CIC # 702233, bate # 0016273-0016277.

**DOE-060794-B-24** Experiment Records; 3 documents, 28 pages.; Publications. *Source:* Department of Energy (DOE-060794-B: Box 2). *Date:* 03/01/80; 12/04/89 *From:* Lionel Cohen, David Hussey. *To:* N/A. *Re:* Randomized Study of Neutron Therapy in the Treatment of Non-resectable Adenocacinoma of the Pancreas. *Contents:* 1. Experiment as above 3/1/80, CIC # 702198, bate # 0015953-0015972. 2. Revisions/Clarification's 3/14/83, CIC # 702199, Bate # 0015973. 3. Journal Article: Evaluation of Neutron Irradiation of Pancreatic Cancer, AM J Clin Oncol (CCT) 12(4): 283-289, 1989; CIC # 702237, bate # 0016303-0016309.

**DOE-060794-B-25** Publications; 1 document, 23 pages. *Source:* Department of Energy (DOE-060794-B: Box 2). *Date:* 05/01/52 *From:* C.T. Ray, G.E. Burch, S.A. Threefoot. *To:* N/A. *Re:* Biologic Decay Rates of Chloride in Normal and Diseased Man, Determined with Long-life Radiocholride, Cl 36. *Contents:* 1. Journal Article as above, from The Journal of Laboratory and Clinical Medicine, May 1952, Vol. 39, No. 5; CIC # 702733, bate # 0024139-0024162

**DOE-060794-B-26** Publications; 4 documents, 32 pages. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 04/23/49 *From:* C.T. Ray, S.A. Threefoot, G.E. Burch. *To:* N/A. *Re:* Regression of a Radioactive Mercurial Diuretic from the Plasma of a Man. *Contents:* 1. Letter to the editor of Nature , 4/23/49, vol. 163: title as above, CIC # 702744, bate # 0024231-0024232. 2. Journal Article: "The Distribution of Radiomercury of a Mercurial Diuretic some of the Body Fluids of Man," American Journal of the Medical Sciences. Aug. 1950, vol. 220. CIC # 702737, bate # 0024181-0024186. 3. Journal Article: "Concentration-Time Course in the Plasma of Man of Radiomercury Introduced as a Mercurial Diuretic," CIC # 702731, bate # 0024121-0024130. 4. Journal Article: "The Urinary Excretion and Biologic Decay periods of Radiomercury Labeling a Mercurial Diuretic in Normal and Diseased Man." CIC # 702732, bate # 0024131-0024138.

**DOE-060794-B-27** Experiment Records; 2 documents, 45 pages.; Publications. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 01/01/76; 01/01/88 *From:* David Hussey and Simon Kramer. *To:* N/A. *Re:* Neutron Therapy in the Treatment of Squamous Cell Carcinoma of the Uterine Cervix. *Contents:* 1. Experiment as above: RTOG 76-08, CIC # 702187, bate # 0015695-0015731. 2. Journal Article: "Neutron Therapy in Cervical Cancer: Results of a Phase III RTOG Study," International Journal of Radiation Oncology Biology and Physics, vol. 14. pp. 885-891. 1988.

**DOE-060794-B-28** Correspondence 38 pages.; Experiment Records; Experiment Records; 38 pages. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 10/31/88 *From:* A Larry Anderson. *To:* N/A. *Re:* Whole Body Counting (in US) of 2 Employees from AERE Harwell, U.K. *Contents:* 1. Same as above, experiment proposal dated 9/9/87 2. many memo's and letters from Harwell and Berkeley. 3. Code of Practice for use in Biological Research Involving the Irradiation of Employees of the UKAEA. August, 1976. bate # 0021205-0021215.

**DOE-060794-B-29** Correspondence, 64 pages. *Source:* Department of Energy (DOE-060794-B: box 2.). *Date:* 12/24/80; 06/09/88 *From:* N/A. *To:* N/A. *Re:* Various Correspondence of DOE-Oakridge Human Subjects Committee. *Contents:* Correspondence from 1986-1994.

## *Sources and Documentation*

**DOE-060794-B-30** Experiment Records, 48 pages.; Publications. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 08/01/76; 01/01/89 *From:* Lawrence Davis. *To:* N/A. *Re:* Protocol to Study Neutron Therapy in the Treatment of Malignant Gliomas. *Contents:* 1. "Protocol to Study Neutron Therapy in the Treatment of Malignant Gliomas," 8/76, CIC # 702190, bate 0015795-0015812. 2. Journal Article "Fast Neutron Radiation Therapy for Glioblastoma Multiforme," American Journal of Oncology (CCT) 6: 661-667, 1983. CIC # 702219, bate # 0016186-0016192.3. Journal Article "Fast Neutron Therapy for Malignant Astrocytomas," Journal of Neuro-Oncology, 4. 123-129 (1986). CIC # 702220, bate # 0016193-0016198. 5. CIC # 702222 copy of 702220. 6. Journal Article "Radiation Therapy Oncology Group (RTOG) Survival Data on Anaplastic Astrocytomas of the Brain: Does a More Aggressive Form of Treatment Adversely Impact Survival?" International Journal of Radiation Oncology Biology and Physics, Vol. 17, pp. 1351-1356. CIC # 702244, bate # 0016344-0016349.7. Journal Article "Neutron Radiotherapy for Malignant Gilomas," American Journal of Clinical Oncology, (CCT) 12(4): 311-315, 1989. CIC # 702221, bate # 0016199-0016203.

**DOE-060794-B-31** Experiment Records; 3 documents, 45 pages.; Publications. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 09/10/80 *From:* G.E. Laramore and Thomas Griffin. *To:* N/A. *Re:* Phase II Dose-Searching Randomized Study of Mixed Beam Neutron/Photon) Radiation Therapy for Anaplastic Astrocytomas and Glioblastomas. *Contents:* 1. Experiment as listed above, 9/10/80, CIC # 702205, bate # 0016036-0016064. 2. Journal Article: "Randomized Neutron Dose Searching Study for Malignant Gilomas of the Brain: Results of an RTOG Study," International Journal of Radiation Oncology Biology and Physics, Vol. 14, pp. 1093-1102. CIC # 702243, bate 0016334-0016343.3. Journal Articles: "Radiation Therapy Oncology group (RTOG) Survival Data on Anaplastic Astrocytomas of the Brain: Does a More Aggressive from of Treatment Adversely Impact Survival," International Journal of Radiation Oncology for Biology and Physics, Vol. 17, pp 1351-1356. CIC # 702223, bate # 0016210-0016215.

**DOE-060794-B-32** Publications; 4 documents, 74 pages. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 10/01/47; 02/01/48 *From:* George Burch, Paul Reaser. *To:* N/A. *Re:* Na-24 Studies. *Contents:* 1. Journal Article: "Rates of Sodium Turnover in Normal Subjects and in Patients with Congestive Heart Failure," The Journal of Laboratory and Clinical Medicine, Oct., 1947, VOL. 32, No. 10; CIC # 702730, bate # 0024098-0024120. 2. Journal Article: "Some Aspects of Renal Excretion of Na24 by Normal Subjects and by Patients with Congestive Heart Failure," Stanford Medical Bulletin Vol. 6, No. 1, Feb., 1948; CIC # 702734, bate # 0024163-0024169. 3. Journal Article: "Rates of NA Turnover in Normal Subjects and in Patients with congestive Heart Failure," Journal of Laboratory and Clinical Medicine Vol. 32 1947. CIC # 702753, bate # 0024261-0024283. 4. Journal Article: "Theoretic Considerations of Biologic Decay Rates of Isotopes," no source information, CIC # 702726, bate # 0024048-0024064.

**DOE-060794-B-33** Experiment Records; 5 documents, 61 pages.; Publications. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 11/17/75; 02/05/80 *From:* A.L. Anderson and G. W. Campbell. *To:* N/A. *Re:* Plutonium Lung Counter Calibration. *Contents:* 1. CIC # 702722, Report: "LLL Plutonium Lung Counter Calibration and Discussion of Errors," 7/20/76, bate # 0023977-0023996. 2. CIC # 702723, Report: "Status and Trend in the External Counting of Inhaled Heavy Elements Deposited IN VIVO," 2/5/80, bate # 0023997-0024014. 3. CIC # 702724, Report: "Consistent X-Ray Counting Efficiencies for Plutonium in Lungs, Derived by Independent Methods," 2/4/80 bate # 0024016-0024032. 4. CIC # 702725, Report: "Calibration of Phoswich Detectors for Assessment of Plutonium in Lungs: The Methods of Four Laboratories Compared," 6/11/80, bate # 0024033-0024046.5. CIC # 702721, Report: "Designed Criteria for Phantoms for Calibration of External Detectors for the IN VIVO Assay of Plutonium," 11/17/75, bate # 0023961-0023976.

**DOE-060794-B-34** Correspondence; 17 documents, 129 pages.; Experiment Records. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 01/01/86 *From:* Ralph Kopenhaver, Walter Von Flue. *To:* N/A. *Re:* Human Radiation Experiments Search Strategy at SSO. *Contents:* 1. CIC # 702640--title as above. 2. CIC # 702590--3/8/86, Memo: SSRL Proposal #456: "Iodine Dichromography with Monochromatic X-ray Beams for Angiography," from James T. Davis to Bill Gough. 3. CIC # 702591--Protocol for K-edge Subtraction Angiography with Synchrotron X-rays, 1/7/86 (consent form attached)4. CIC # 702592-- 2/25/86, memo on "Framework of Angiography Safety Plan," with diagram. from John Jasberg to the Radiation Committee Meeting. 5. CIC # 702593-94-- memo's on the SSRL Prop. # 456. 4/10/86 from William C. Gough. 6. CIC # 702595--Correspondence on the Angiography experiment with a consent form, various dates from Feb. till May of 1986.7. CIC # 702596--Memo and final version of a draft of "Planned Human Angiography Experiment." Memo is dated at 5/8/87 while the draft is dated 4/21/87. 8. CIC # 702598--background information on the SSRL Angiography experiment using synchrotron radiation with human subjects. Another consent form is attached (revised?), 4/17/86. 9. CIC # 702599-- Consent Form: "Informed Consent for Synchrotron Angiography by means of Venous Injection of Contrast Agent." 4/24/86. 10. CIC # 702600-702603-- 4/3/86-2/25/86: these four memo's deal with safety and the Angiography experiment. 11.

CIC # 702604 Report: Framework of Angiography Safety Plan," 2/7/86. 12. CIC # 702605 Letter from Arthur Bienstock, Director of SSRL to William C. Grough, stating that the experiment has been reviewed and approved, 3/31/86.

**DOE-060794-B-35** Correspondence.; Meetings. *Source:* Department of Energy (DOE-060794-B: box 2). *Date:* 01/01/86; 01/01/87 *From:* N/A. *To:* N/A. *Re:* Consent and Bill of Right forms for LLNL and Navy decompression sickness experiments.

**DOE-060794-B-36** Reports; 30 documents. *Source:* Department of Energy (Coordination and Information Center (CIC) Doc. #s 702186-702248, 702544-707841: Box 2, 702550 - 702581. *Date:* 12/30/48; 07/01/59 *From:* Brookhaven National Laboratory. *To:* N/A. *Re:* Progress Reports. *Contents:* Administrative and Scientific Progress Report 7/1/48 through 12/31/482 Documents: Progress Reports , 1/1/49 - 6/30/49 & 7/1/49 - 12/31/49 1 Document: Annual Report 7/1/50 27 Documents: Quarterly Reports 1950 - 1959 1 Document: Bulletin of the Medical Department 7/1/59

**DOE-060794-B-37** Experiment Records; 2 documents, 80 pages.; Publications; Reports. *Source:* Department of Energy (INEL Public Reading Room: DOE/HRE-ID-xxxxx, IDO-12035, TID-7677. *Date:* 06/01/64 *From:* C. A. Hawley. *To:* N/A. *Re:* Controlled Environmental Radioiodine Tests at the National Reactor Testing Station. *Contents:* In the first document (IDO-12035), p. iii: "This paper deals with the first, or preliminary, experiment in the CERT series at the National Reactor Testing Station NRTS) in southeast Idaho. The preliminary experiment consisted basically of releasing radioiodine (iodine-131) gas over a natural Crested Wheatgrass pasture and using the contaminated grass for milk cow grazing. The resultant radioactive milk was fed to seven human volunteers. It was designed from this experiment to determine if the experimental design would establish, under known natural release conditions, three basic relationships: "(1) the amount of radioiodine in the air to that on the soil and vegetation, "(2) the amount of radioiodine on the vegetation to that in the milk, and "(3) the quantity in the milk to that in the human thyroid after drinking the milk." The report describes meteorological planning and conditions (pp. 6, 16, 18), safety plans (13, 61-65) and other environmental measurements, as well as the detailed measurements and conclusions. The second paper is the presentation of this study at a scientific conference.

**DOE-060794-B-38** Experiment Records; 1 document, 41 pages.; Reports. *Source:* Department of Energy (INEL Public Reading Room: DOE/HRE-ID-xxxxx, IDO-12047. *Date:* 02/01/66 *From:* C. A. Hawley. *To:* N/A. *Re:* Controlled Environmental Radioiodine Tests at the National Reactor Testing Station, 1965 Progress Report. *Contents:* This report describes five CERT experiments: CERT I, 5/63 (7 volunteers drank contaminated milk)CERT II, 9/64 (3 volunteers inhaled contaminated air)CERT III, 12/64 CERT IV, 6/65 CERT V, 6/65 These experiments measured iodine concentrations in air, on vegetation and soil, in milk, and in the human thyroid, and demonstrated that the milk pathway is more important than the inhalation pathway for iodine uptake.

**DOE-060794-B-39** Experiment Records; 1 document, 16 pages.; Reports. *Source:* Department of Energy (INEL Public Reading Room: DOE/HRE-ID-xxxxx, IDO-12053. *Date:* 08/01/66 *From:* D. F. Brunch. *To:* N/A. *Re:* Controlled Environmental Radioiodine Tests, Progress Report Number Two. *Contents:* This report describes two additional studies using methyl iodide instead of iodine: CERT 6, late summer 1965 (several accidental human exposures when vial ruptured) CERT 7, 11/22/65 (7 human volunteers inhaled contaminated air) This report describes meteorological monitoring and monitoring of radioactivity in air, on grass, and in milk from cows that grazed on contaminated pastures, as well as deliberately and accidentally exposed people.

**DOE-060794-B-40** Publications; 1 document, 9 pages. *Source:* Department of Energy (INEL Public Reading Room: DOE/HRE-ID-004-02, IDO-12058. *Date:* 10/01/66 *From:* Claude W. Sill. *To:* N/A. *Re:* Some Guidelines for Studies Involving Internal Administration of Radioactive Materials to Human Volunteers. *Contents:* p. 2: "In view of the significant accumulation of very valuable information concerning the metabolic characteristics of a large number of radionuclides that has been obtained from the minute quantities of materials received inadvertently, deliberate exposure of human volunteers to similar minute quantities of radioactive materials under controlled conditions would permit a marked increase in the rate of accumulation of such fundamentally important biological data." Sill proposes the "Principle of Comparability," under which exposures to radionuclides that would be considered acceptable in an occupational setting should be considered acceptable for human volunteers, even noting that dose estimates for such exposures contain great uncertainties. The paper refers both to medical ethics (the Nuremberg Code) and occupational standards (NCRP and ICRP).

**DOE-060794-B-41** Experiment Records; 1 document, 78 pages.; Reports. *Source:* Department of Energy (INEL Public Reading Room: DOE/HRE-ID-xxxxx, IDO-12065. *Date:* 01/01/69 *From:* J. D. Zimbrick and P. G. Voilleque. *To:* N/A. *Re:* Controlled Environmental Radioiodine Tests at the National Reactor Testing Station, Progress Report Number Four. *Contents:* This report describes the objectives, procedures, and results for the 1967 CERT tests, which included CERT 20 (7/6/67), 21(8/9/67), and 22 (9/22/67). There is no indication of human studies, but continued careful monitoring of meteorological conditions, iodine concentrations in vegetation, and biodistribution in cows.

## *Sources and Documentation*

**DOE-060794-B-42** Experiment Records; 2 documents, 14 pages.; Reports. *Source:* Department of Energy (Westinghouse Savannah River Company, Savannah River Lab Reports: Box N 04-01-04, Bldg. 773-52A, DPSPU 64-31-10. *Date:* 06/05/94 *From:* A. L. Boni. *To:* Health Physics Society Annual Meeting, 6/15-18/64. *Re:* Correlation of Cs-137 Concentrations in Milk, Urine, and the Whole Body. *Contents:* Twenty adult male (age 30-40) volunteers were fed milk, contaminated with low levels of cesium-137, from dairy farms in the Savannah River area. Urine samples were taken for these adults and for four children, ages 8-15. Whole body counts estimated the body burden of Cs-137. Cesium uptake was compared with elimination in the urine to estimate the biological half-life, which was estimated to be about 81 days for adults, roughly half that for children. Acknowledgment: "Information in this article was developed during the course of work under contract AT(07-2)-1 with the U.S. Atomic Energy Commission"

**DOE-060794-B-43** Reports, 141 pages. *Source:* Department of Energy. *Date:* 06/01/75; 01/01/82 *From:* N/A. *To:* N/A. *Re:* Tests to Develop monitoring systems for airborne radiation.

**DOE-060794-B-44** Publications; 6 documents.; Reports. *Source:* Department of Energy. *Date:* 07/01/60; 11/01/68 *From:* N/A. *To:* N/A. *Re:* Bulletin of the Medical Department, Brookhaven National Laboratory Medical Research Center.

**DOE-061794-A-1** 1 document, 39 pages. *Source:* Department of Energy (Stannard Interviews: PNL/National Radiobiology Archives Project, Morgan, Karl, PNL-9905. *Date:* 04/20/79 *From:* Newell Stannard. *To:* N/A. *Re:* Interview with Karl Z. Morgan. *Contents:* The first three pages provide a synopsis of the interview. There is a transcript of most of the interview, but the tape ran out so the end is just handwritten notes. The interview begins with a discussion of Morgan's early career in cosmic ray physics, the origins of the health physics group at Chicago, and Morgan's decision to move to Oak Ridge. Morgan says he was very interested in radioactive waste disposal and other environmental work, but that the AEC was initially reluctant to fund such research. He discussed the discovery of bioconcentration and of critical environmental pathways and populations. He was also interested in fallout and particular in beta exposures, including high levels from Crossroads/Shot Baker. Stannard asked whether Morgan agreed that Joseph Hamilton was responsible for the understanding of the hazards of plutonium, and Morgan suggested that Robert Stone also deserved some of the credit. He said that most hazards studies focused on fission products rather than actinides [alpha emitters.] Morgan shared his ideas about nuclear safety -- he said regulations should focus on aggregate population doses rather than individual doses. He and Stannard also discussed radiation how radiation monitoring equipment and standards had changed. The notes at the end are mostly a list of publications Morgan gave Stannard.

**DOE-061794-A-2** 1 document, 46 pages. *Source:* Department of Energy (PNL/National Radiobiology Archives Project: JNS0034 I-3, PNL-9915. *Date:* 06/04/79 *From:* Newell Stannard. *To:* N/A. *Re:* Interview with Herbert Parker. *Contents:* The interview begins with a discussion of collections of old papers. Apparently Hymer Friedell had a complete set of Parker's early health physics papers, and Parker had a set of papers bequeathed to him by Robert Stone. Parker headed Health Instruments Divisions at Hanford. During the war under DuPont, they didn't officially do research, but occasionally pursued "special projects." Stannard notes how well Parker did in early years outlining critical path for environmental exposure to radioactivity. Parker noted unexpected appearance of phosphorus-32 in fish in the Columbia River. Later, zinc-65 made an unexpected appearance. These unexpected discoveries led to six main health physics problems (but Parker doesn't recall the list). Several goats lived on an island in the Columbia River. An autopsy after one of them died revealed a severely damaged thyroid. Parker gives great credit to DuPont's emphasis on occupational safety. They discovered that the main pathway for iodione exposure was through vegetation, not air, and reduced the tolerance levels by a factor of 6000. Parker (with DuPont support) instituted longer cooling times, forcing a roughly one-month delay in plutonium production. Reportedly, Groves was furious. Surveys of iodine on vegetation led to Leo Bustad's program monitoring sheep. Discussion of plutonium hazards and monitoring techniques. Long discussion of the nature of health physics in an industrial setting versus academic research. Discussion of health physics instrumentation. Discussion of Compton, Fermi, and Oppenheimer. Parker had greatest admiration for Fermi. More discussion of plutonium hazard in comparison to radium, and discussion of internal emitters and whole-body counters.

**DOE-061794-A-3** 1 document, 30 pages. *Source:* Department of Energy (PNLNational Radiobiology Archives Project: Box JNS0034 I-1, PNL-9621. *Date:* 07/09/79 *From:* Newell Stannard. *To:* N/A. *Re:* Interview with Merril Eisenbud. *Contents:* Eisenbud begins by noting that the Manhattan Engineer District had no one with an industrial hygeine background, only people with radiation safety backgrounds. He and Stannard discussed the public health implications of a continental nuclear test site. Eisenbud noted that Stewart Udall had recently showed him minutes of a planning meeting for the test site in which the discussion mentioned only external radiation, not fallout. He noted that Tom Shipman at Los Alamos had not believed his complaints about increases in background radiation levels fromthe Ranger series, so he (Eisenbud) called friends around the country who sampled snow and produced the first fallout survey. Kodak had traced contamination of film to fallout in Indiana from the Trinity test. Eisenbud was head of the Health and Safety Laboratory (HASL) of the AEC New York Operations Office, and was responsible for establishing

the AEC fallout monitoring network. He did this through the State Department, establishing collection stations at various embassies, not through the AEC Division of Biology and Medicine. He got greater support from DBM after Shields Warren left and John Bugher and [] Dunning succeed him. Eisenbud wrote a memo on inhalation of dust particles, which turned into a publication (Archives of Industrial Hygeine and Occupational Medicine 6 (1952), p. 214). Eisenbud discussed a brief gap in the radium dial painter follow-up studies. Eisenbud discussed his role in establishing safety standards for uranium, based more on toxicity to the kidneys than on radiological hazards. Using field studies of occupational human exposures, he concluded that the toxicity was relatively low among heavy metals, in contrast to Rochester's conclusions of high toxicity based on laboratory studies in animals. Eisenbud thought further followup of these cases -- at Malincrodkt and Harwhaw -- rather than the relatively low exposures from the weapons labs and complex. He and Stannard then discussed toxicity studies of plutonium, thorium, and more radioactive isotopes of uranium. They discussed the hazards of radon and its daughters only briefly. They discussed the evolution of industrial safety standards. Eisenbud argued that prewar standards were remarkably good. He noted that information on low-level dose-response and dose-protraction relationships, and on cancers other than leukemia, was new.

**DOE-061794-A-4** Meetings; 1 document, 34 pages. *Source:* Department of Energy (PNL/National Radiobiology Archives Project: Box JNS 0035, Folder: Harold Hodge [PNL No. 9889]. *Date:* 10/25/80 *From:* Newell Stannard. *To:* N/A. *Re:* Interview with Harold Hodge. Stannard interview of Harold Hodge

**DOE-061794-B-1** Experiment Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 2). *Date:* 02/23/48 *From:* N/A. *To:* N/A. *Re:* Single Source Lanthanun Test - AHRUU Program.

**DOE-061794-B-2** Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: box 2, bate # 1033584-1033645, Doc. #707769). *Date:* 01/29/47 *From:* Louis Hempelmann, M.D. *To:* N/A. *Re:* Medical Research Project of Los Alamos Scientific Laboratory.

**DOE-061794-B-3** Reports, 7 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: box 2, bate #1033562-1033568, Doc. # 707762). *Date:* 02/07/45 *From:* Strafford Warren. N/A.*Re:* Summary of Case in Leukemia.

**DOE-061794-B-4** Reports; 8 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 2, bate # 1033588-1033596). *Date:* 01/01/42; 01/01/47 *From:* Louis Hempelmann, Joseph Hoffman, Wright Langham. *To:* N/A. *Re:* Summary of Medical and Biological Research Activities of the LASL (1942 to 1949).

**DOE-061794-B-5** Reports; 5 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: box 2, bate # 1033646-1033650, doc. #707773). *Date:* 04/01/49 *From:* S. J. Efnor. *To:* N/A. *Re:* Division of Biology and medicine (AEC), progress reports.

**DOE-061794-B-6** Experiment Records; Financial Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: box 2, bate #1033799-1033828, 1033829-1033865, 1033866-1033938; Docs. 707785, 707786, 707784). *Date:* 08/01/68 *From:* Edward M. Smith . *To:* N/A. *Re:* Research Proposals for the Evaluation of the Absorbed Dose from the Diagnostic use of Radiophamaceuticals.

**DOE-061794-B-7** Experiment Records, 58 pages.; Financial Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: box 2, bate 1034973-1035007, docs. # 707816, 707821). *Date:* 05/18/76 *From:* Peter A. Cerutti, Kunio Shinohara. *To:* University of Florida Dept. of Biochemistry. *Re:* Formation and Repair of Physically and Chemically Induced DNA Damage in Human Cells, Chemistry and Biology of Irradiation Induced Base Damage in RNA and DNA.

**DOE-061794-B-8** Correspondence; 3 documents, 20 pages.; Experiment Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: box 2, bate 1034527-1034549, Doc. # 707803). *Date:* 06/03/58 *From:* David Hume. *To:* Medical College of Virginia. *Re:* The Homotransplantation of Fetal Blood Cells and Tissues in Animals Recieiving Fatal Whole Body Radiation.

**DOE-061794-B-9** Correspondence; 4 documents, 169 pages.; Experiment Records; Financial Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co.,

Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 2, doc. # 707812(10/23/73); doc. 707813, bate # 1034837-1034865(3/22/72); doc. # 707814, bate #1034866-1034892(11/19/70); doc. # 707815, bate # 1034893-1034972(12/1/69)). *Date:* 12/01/69; 10/23/73 *From:* Jerry Berlin. *To:* Texas Tech University. *Re:* The Effects fo X-Irradiation on the Human Testis: An Electron Microscopic Cytochemical Study.

**DOE-061794-B-10** Correspondence; 1 document, 8 pages.; Experiment Records; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 2, doc. # 707811, bate # 1034793-1034801). *Date:* 04/30/76 *From:* A. B. Brill . *To:* Vanderbilt University Medical Center. *Re:* An In-Vivo Evaluation of Standard Man Model Absorbed Fractions Using 99mTc Sulfur Colloid.

**DOE-061794-B-11** Publications; 1 document, 19 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 2, Doc. # 707804, bate # 1034550-1034569). *Date:* 09/01/60 *From:* David Hume, Benjamin Jackson, Charles F. Zukoski, H. M. Lee, H. Mtron Kauffman, Richard H. Egdahl. *To:* N/A. *Re:* The Homotransplantation of Kidneys and of Fetal Liver and Spleen after Total Body Irradation.

**DOE-061794-B-12** Experiment Records;; 18 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 2, , 707802. *Date:* 01/01/73 *From:* Michael Bender. *To:* N/A. *Re:* Automation of Chromosome Analysis & Application to Human Radiation Cytogenesis, 1973.

**DOE-061794-B-13** Correspondence; 22 documents.; Experiment Records.; Financial Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 2, see contents. *Date:* 12/15/67; 08/04/75 *From:* Joseph Coggin. *To:* University of Tennessee. *Re:* A Comparative Study of Radiation, Chemical and Aging Effects on Viral Transformation In Vito. *Contents:* Year 1967 1. 3/15/67-12/15/67: Expenditure Report AEC Contract # AT(40-1)3646 Bate # 1034043-1034070. 2. Letter to C.S. Shoup from Joseph H. Coggin dated 12/28/67, bate # 1034042 Year 1968 1. 4/1/1968 Request for Contract Action(modification of contract), interoffice memo from the Laboratory and University Division to the Contract Division, doc. # 707790 bate # 10340351034037 2. 1/5/68 Renewal of contract memo, from John R. Totter Division of Biology and Medicine to Laboratory and University division, Herman M. Roth. bate # 1034041 3. Science Information Exchange Smithsonian Institution bate #. 1034071 4. 3/20/68 AEC Contract Authorization, to S.R. Sapirie, Manager of Oak Ridge Operations Office, from John R. Totter, Director of Division of Biology and Medicine bate # 1034038-1034040 Year 1969 1. 12/29/69 Science Information Exchange Smithsonian Institution, AEC contract no. AT(40-1)-3646 2. 12/30/69 Renewal Proposal Fourth year, form Joseph H. Coggin Year 1970 1. 1/12/70 AEC Renewal of Contract to J.R. Totter, Director, Division of Biology and Medicine form Herman M. Roth Dir of Laboratory and University Division Oak Ridge Operations.2. 4/17/70 Contract Authorization to S.R. Sapirie, Manager Oak Ridge, from Joseph H. Coggin. 2pg. 3. 4/21/70 Letter of authorization to extend contract to Dr. Coggin form C.S. Shoup Cheif Research Laboratory and University Division. 1pg. 4. 4/22/70 Letter from Hilton A. Smith to C.S. Shoup, reducing the cost to be with in budget. 1 pg. 5. 5/4/70 AEC Request for contract action from Herman M. Roth to Ralph Elson, includes a budget review, doc. 707787 . 3pgs. Year 1971 1. 1/11/71 AEC renewal of contract form, with Renewal Proposal Fifth Year by Joseph H. Coggin (2 copies) bate # 1033944-1033975. 31 pgs. 2. 3/11/71 Letter from George E. Stapleton, Radiation Biology Branch Division of Biology and Medicine, to J. Coggin, to advise that the experiment is approved (2 copies), bate # 1033943 1 pg.3. 3/1/71 AEC Request for contract action from Herman M. Roth to Ralph Elson, budget review and Contract Authorization form, (2 copies) doc. 707788, bate # 1033939- 1033942. 4 pgs. Year 1972 1. 1/6/72 to 3/14/72 Renewal of contract forms, Contract action forms, budget proposal from AEC and Renewal Proposal . doc. 707793, bate #1034114-1034156. 42 pgs. Year 1973 1. 7/24/73 to 8/24/73 collection of letters between Coggin and the AEC about budget revisions doc. 707792 bate # 1034102-10334113. 11pgs. Year 1974 1. 3/1/74 Renewal Proposal Eighth Year by Coggin to the AEC. 24 pgs. bate # 1034009-1034034 (2 copies) 2. Renewal of Contract form from A.H. Frost Research Contracts, Procedures and Reports Branch Contract Division to J.L. Liverman Division of Biomedical and Environments Research. bate # 1033982-1034008. 3. 6/19/74 AEC Request for Contract Action, from A.H. Frost to Charles W. Will. And Contract Authorization. docs. 707789 bate # 1033976-1033977 Year 1975 1.3/26/75 ERDA Renewal of Contract from A.H. Frost to James L. Liverman, and Renewal Proposal from Coggin in Ninth year, letters to Coggin about extension of funding. doc. 707791 bate # 1034075-1034094.

**DOE-061794-B-14** Experiment Records; 103 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1 - Bates # 1039326-1039422; CIC # 707863-707870, 707863-707870. *Date:* 01/01/59; 02/01/63 *From:* University of Arkansas Medical Center. *To:* N/A. *Re:* "Research with scintillation

Scintillation Counters to Accommodate (1) The Entire Human Being and (2) Small Animals." Contract # AT-(40-1)-2681. Renewal Proposals. *Contents:* University of Arkansas Medical Center, Appendix "A"(Contract No. AT-(40-1)-2681) Oak Ridge Operations Records Holding Area--Appendix A, Title III; Appendix A, Title II; Appendix A, Title I; Memo from Herman Roth, Director of Research & Development to R.G. Humphries, Director of Contract Division; A Renewal Proposal For Funds To Operate The Whole Body Counters and Conduct Research At The University of Arkansas Medical Center (2/1/61-1/31/62); An Application For Funds For Construction Of Scintillation Counters To Accommodate--A Supplement A Supplement A Supplement; An Application For Funds For Construction Of Scintillation Counters To Accommodate

**DOE-061794-B-15** Experiment Records; 7 documents, 79 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC # 707871-707877; Bates #1039423-1039501, 707871-707877. *Date:* 08/12/94 *From:* University of Texas, Southwestern Medical School. *To:* N/A. *Re:* "Radiobiological Significance of BAIBA Levels." Contract #AT-(40-1)-2731. Renewal Proposals. *Contents:* Southwestern Medical School, Appendix "A", Contract No. AT-(40-1)-2731; Appendix "A" Title(s) I,II,III; The Radiobiological Significance Of BAIBA-J.R. Rubini, MD; Proposal For Renewal Of Research Contract--The Radiological Significance of B-Aminoisobutyric Acid.

**DOE-061794-B-16** Experiment Records; 1 document, 44 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC #707862; Bates #1039282-1039325, 707862. *Date:* 01/01/47 *From:* University of Rochester. *To:* N/A. *Re:* Proposed Research Program and Budget -- July, 1947-July, 1948." Contract #W-7401-eng. 49. divisional program and budgets at Rochester

**DOE-061794-B-17** Correspondence; 1 document, 9 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC #707856-707861; Bates #1039273-1039281, 707856-707861. *Date:* 09/01/49 *From:* John Shilling, Jr., Reactor Division - Oak Ridge. *To:* J.H. Roberson, Acting Chief, Reactor Division. *Re:* Weekly Reports on Various Projects, including Dugway, NEPA, MTR.

**DOE-061794-B-18** Experiment Records; Experiment Records; 33 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC #707941; Bates # 1042281-1042314, 707941. *Date:* 01/01/65 *From:* Oak Ridge Associated Universities. *To:* N/A. *Re:* Bone Scanning with Gallium-6B Citrate. "Contract # AT-(40-1)-GEN-33.Patient application.

**DOE-061794-B-19** Experiment Records; 4 documents, 110 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC #707845-707848; Bates # 1039009-1039086, 707845-707848. *Date:* 01/01/65 *From:* Medical College of Virginia. *To:* N/A. *Re:* Medical College of Virginia, "The Effect of Radiation on Transplantation Immunity." Contract #AT-(40-1)-2459. Renewal Proposals. *Contents:* Memorandum From Herman Roth to R.G. Humphries (Subj: Request For Contract Action); Renewal Proposal and Expenditure Statement; Memorandum from Herman Roth to Ralph Elson (Subj: Request For Contract Action); Letter from Dr. David M. Hume, dated 12/10/71.

**DOE-061794-B-20** Experiment Records; 4 documents, 41 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC #707878-707881; Bates # 1039502-1039542, 707878-707881. *Date:* 01/01/63 *From:* Piedmont Hospital, Atlanta. *To:* N/A. *Re:* "Use of Intra-Arterial Large Particle Radioisotopes in the Treatment of Inoperable Cancer." Contract #AT-(40-1)-3096. *Contents:* Dept. of HEW,PHS Application for Research Grant; Renewal Proposal; Renewal Proposal, Third Year--Contract Number: AT-(40-1)-3096; Request For Contract Action for Herman M. Roth , Director, Research and Development Division.

**DOE-061794-B-21** Reports; 1 document, 20 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC #707907, 707909, 707911-707913; BATES #1040975-1041005 , 707907, 707909, 707911-707913. *Date:* 01/01/70 *From:* Oak Ridge Associated Universities. *To:* N/A. *Re:* Annual Summary Appraisal Reports by AEC: 1966-1970.

**DOE-061794-B-22** Experiment Records; 1 document, 233 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC #707922; BATES #1041257, 707922. *Date:* 10/01/66 *From:* Oak Ridge. *To:* N/A. *Re:* "Proceedings of the 12th Annual Bio-Assay and Analytical Chemistry Meeting -- October, 1966".

## *Sources and Documentation*

**DOE-061794-B-23** Experiment Records; 9 documents, 157 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.): DOE Oak Ridge II: Docs. 707843-707942, Bates 1038980-1042331: Box 1; CIC #707932-707940; Bates #1042072-1042280, 707932-707940. *Date:* 01/01/66 *From:* University of Miami. *To:* N/A. *Re:* "Evaluation of the Absorbed Dose From the Diagnostic Use of Radiopharmaceuticals" Contract #At-(40-1)-3734. Grant and Renewal Proposals. *Contents:* Letters relating to AEC Contract No. AT-(40-1)-3734; copy of Renewal Research Proposal for Evaluation Of the Absorbed Dose From The Diagnostic Use of Radiopharmaceuticals; Appendix A--Contract No. AT-(40-1)-3734 (University of Miami); Supplemental Agreement for Contract No. AT-(40-1)-3734 (University of Miami)-Modification Number 2; Supplemental Agreement for Contract No. AT-(40-1)-3734 (University of Miami)-Modification Number 1; CONTRACT NUMBER --AT-(40-1)-3734.

**DOE-061794-C-1** Correspondence. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.); only CIC Doc. marked is #707842; from CIC printouts and inventory, assume actually range is #707761-707842: Box 1, 707842. *Date:* 01/16/80 *From:* AB Brill. *To:* N/A. *Re:* Progress Report for AT (40-1) 2401 (renumbered under ERDA). *Contents:*

**DOE-061794-C-2** Correspondence; 1 document. *Source:* Department of Energy. *Date:* *From:* N/A. *To:* N/A. *Re:* AEC contract AT-(40-1)-2401, and renewal requests/modifications (correspondence). *Contents:*

**DOE-061794-C-2** Correspondence; 1 document. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.); only CIC Doc. marked is #707842; from CIC printouts and inventory, assume actually range is #707761-707842: Box 1, 707842. *Date:* *From:* N/A. *To:* N/A. *Re:* AEC contract AT-(40-1) - 2401, and renewal requests, modification (correspondence). *Contents:*

**DOE-061794-C-3** Correspondence; 1 document. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.); only CIC Doc. marked is #707842; from CIC printouts and inventory, assume actually range is #707761-707842: Box 1). *Date:* 04/30/72 *From:* N/A. *To:* N/A. *Re:* Expenditure statements and renewal proposals for AEC contract AT-(40-1)-2401. *Contents:*

**DOE-061794-C-4** Correspondence; 1 document. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.); only CIC Doc. marked is #707842; from CIC printouts and inventory, assume actually range is #707761-707842: Box 1). *Date:* 07/31/78 *From:* AB Brill. *To:* N/A. *Re:* Expenditure statement and renewal proposal for AT-(40-1)-2401, 1979-1978. *Contents:*

**DOE-061794-C-5** Correspondence. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.); only CIC Doc. marked is #707842; from CIC printouts and inventory, assume actually range is #707761-707842: Box 1, 707842. *Date:* 12/26/78 *From:* N/A. *To:* N/A. *Re:*

**DOE-061794-C-6** Correspondence; 1 document. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.); only CIC Doc. marked is #707842; from CIC printouts and inventory, assume actually range is #707761-707842: Box 1, 707842. *Date:* *From:* N/A. *To:* N/A. *Re:* Supplemental contract agreements for AT-(40-1)-2401 contract between Vanderbilt and AEC/Oak Ridge.

**DOE-061794-C-7** Correspondence; 1 document. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.); only CIC Doc. marked is #707842; from CIC printouts and inventory, assume actually range is #707761-707842: Box 1, 707842. *Date:* *From:* N/A. *To:* N/A. *Re:* Correspondence relating to AT-(40-1)-2401, contract between Vanderbilt and AEC (Oak Ridge). *Contents:*

**DOE-062494-A-1** 1 document, 9 pages. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702249-702543, Bates 0016423-0019960: Box 1). *Date:* *From:* R.L. Bernstine. *To:* N/A. *Re:* Use of Human Volunteers in Connection with C-I-C-C Study 2-48-202.

**DOE-062494-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy ( Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702249-702543, Bates 0016423-0019960: Box 1). *Date:* 03/01/43 *From:* Chief of the Bureau of Medicine and Surgery. *To:* Ross McIntire -- Officer in Charge, N. Labs Res. Unit Number 1, UCBerkeley. *Re:* Proposed Clinical Evaluation.

**DOE-070194-A-1** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 10/14/42 *From:* E. Teller, AM Weinberg. *To:* N/A. *Re:* On the Danger of Radioactive C-14 Near the Pile. *Contents:* Partial report on C-14 problems

**DOE-070194-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 05/05/44 *From:* Joe Hamilton. *To:* Robert Stone. *Re:* Accidental Intro of Product into Body. *Contents:* Memo on possibility of contamination by way of injuries and what to do if it happens

**DOE-070194-A-3** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 01/05/44 *From:* Glenn Seaborg. *To:* Robert Stone. *Re:* Physiological Hazards of Working with Pu. *Contents:* Seminal memo

## *Appendix E*

**DOE-070194-A-4** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 01/08/44 *From:* Robert Stone. *To:* Glenn Seaborg. *Re:* Health Hazards w/ Pu (response). *Contents:* Response to Seaborg's memo on Pu study

**DOE-070194-A-5** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 01/15/44 *From:* Glenn Seaborg. *To:* Robert Stone. *Re:* Health Hazards in Working w/ Plutonium. *Contents:* More on Pu

**DOE-070194-A-6** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 01/27/44 *From:* Sam Allison. *To:* CA Thomas, Monsanto. *Re:* Questions on 49. *Contents:* Memo referring questions by du Pont at Hanford re chemical compund of 49

**DOE-070194-A-7** Meetings; 1 document, 1 page. *Source:* Department of Energy. *Date:* 02/26/44 *From:* JJ Katz. *To:* G Seaborg. *Re:* Mtg of Purification and Metal Production of Section C1. *Contents:* Record of mtg discussing hazards and protective measures

**DOE-070194-A-8** Meetings; 1 document, 1 page. *Source:* Department of Energy. *Date:* 09/23/44 *From:* Robert Stone. *To:* Joe Hamilton, Stafford warren, et al. *Re:* Upcoming mtg. *Contents:* Questions to be addressed

**DOE-070194-A-9** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/14/44 *From:* Robert Stone. *To:* Joe Hamilton. *Re:* Letter on effects of product. *Contents:* Letter on providing 48 to test chemical radiation toxicity

**DOE-070194-A-10** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 05/11/45 *From:* Hymer Friedell. *To:* File. *Re:* Tolerance Values of Radium and Product. *Contents:* Memo outlining difference of opinion of tolerance levels

**DOE-070194-A-11** Correspondence; 1 document, 9 pages. *Source:* Department of Energy. *Date:* 09/15/45 *From:* JM Rose. *To:* Robert Stone. *Re:* Product Tolerances. *Contents:* Memos, formulas, graphs of product distribution to lungs and related tolerances.

**DOE-070194-A-12** Reports; 1 document, 14 pages. *Source:* Department of Energy. *Date:* 08/14/46 *From:* Austin Brues. *To:* N/A. *Re:* Carcinogenic Action of Some Substances Which May be a Problem in Certain Future Industries. *Contents:* Manuscript prepared for National Research Council

**DOE-070194-A-13** Reports; 1 document, 10 pages. *Source:* Department of Energy. *Date:* 12/31/47 *From:* Louis Hempelmann. *To:* N/A. *Re:* Summary of med and Bio Research Activities of LASL 1944-47. *Contents:* Report on research conducted by clinicians, the Health Physics section, etc.

**DOE-070194-A-14** Reports; 1 document, 1 page. *Source:* Department of Energy. *Date:* 09/30/49 *From:* N/A. *To:* N/A. *Re:* Table of Values (Dosages). *Contents:* Table of Values for dose limits accepted at Chalk River

**DOE-070194-A-15** Correspondence; 1 document, 6 pages. *Source:* Department of Energy. *Date:* 01/13/50 *From:* Robley Evans. *To:* Wright Langham. *Re:* Chalk River--Reply. *Contents:* Letter from Evans on permissible doses, chronic effects

**DOE-070194-A-16** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 01/25/50 *From:* Austin Brues. *To:* Wright Langham. *Re:* No title. *Contents:* Letter on Pu tolerances/questions

**DOE-070194-A-17** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/18/50 *From:* Joe Hamilton. *To:* Wright Langham. *Re:* Verene, lawsuits, etc. *Contents:* Letter from Hamilton on a couple of subjects including verene experimentation and the possibility of a lawsuit unless they move two patients to UCSF for experimental work.

**DOE-070194-A-18** Reports; 1 document, 44 pages. *Source:* Department of Energy. *Date:* 09/20/50 *From:* Wright Langham. *To:* N/A. *Re:* Distribution and Excretion of Pu Administered Intravenously to Man. *Contents:* Final report done on the Pu study of original 15. Written jointly with LANL and Univ of Rochester School of Med and Dent.

**DOE-070194-A-19** Reports; 1 document, 8 pages. *Source:* Department of Energy. *Date:* 09/28/50 *From:* Wright Langham. *To:* N/A. *Re:* Exper. and Observed Human Data on Absorption..of Pu and..Assays to the Diagnosis of Exposure of Personnel. *Contents:* Presentation made by Langham, part of Conference held for medical and lab directors of the AEC

**DOE-070194-A-20** Reports; 2 documents, 40 pages. *Source:* Department of Energy. *Date:* 09/28/50 *From:* Ernest Pinson. *To:* N/A. *Re:* Absorption, Distribution, Excretion of Tritium in Man. *Contents:* Several abstracts and several versions of report on tritiium uptake and retention

**DOE-070194-A-21** Reports; 1 document, 17 pages. *Source:* Department of Energy. *Date:* 06/01/52 *From:* Ernest Pinson. *To:* N/A. *Re:* Lung Absorption of HTO by Man. *Contents:* Report on experiments conducted on three human subjects

**DOE-070194-A-22** Reports; 1 document, 10 pages. *Source:* Department of Energy. *Date:* 06/01/52 *From:* Ernest Pinson. *To:* N/A. *Re:* Absorption of Ingested Tritium Water amd the Water Dilution Volume of Man. *Contents:* Abstract, report, graphs on dilution experiments

## *Sources and Documentation*

**DOE-070194-A-23** Publications; 1 document, 8 pages. *Source:* Department of Energy. *Date:* 06/30/56 *From:* Wright Langham. *To:* N/A. *Re:* Assay of Tritium Activity in Body Fluids. *Contents:* Journal article on tritiated water

**DOE-070194-A-24** Publications; 1 document, 6 pages. *Source:* Department of Energy. *Date:* 12/31/55 *From:* Gordon Gould. *To:* N/A. *Re:* Absorbability of Beta Sitosterol. *Contents:* Data on tritium labeled sitosterol

**DOE-070194-A-25** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/12/50 *From:* Wright Langham. *To:* Joe Hamilton. *Re:* EDTA. *Contents:* Letter re referring Foreman to hamilton on EDTA

**DOE-070194-A-26** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/12/50 *From:* Wright Langham. *To:* HArry Foreman. *Re:* EDTA tests. *Contents:* Letter re possibility of getting two to test EDTA

**DOE-070194-A-27** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 12/27/50 *From:* Langham, Shipman. *To:* Joe Hamilton. *Re:* Versene. *Contents:* Letter re the possible use of versene as chelating agent on humans

**DOE-070194-A-28** Meetings; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 04/01/53 *From:* N/A. *To:* N/A. *Re:* Tripartite Conference on Permissible Doses--1953. *Contents:* Part of report on conference

**DOE-070194-A-29** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 12/02/44 *From:* Stafford Warren. *To:* Files. *Re:* Medical Experimental Program on Radium and Product. *Contents:* Memo on future projects/experiments

**DOE-070194-A-30** Correspondence; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 01/11/45 *From:* AH Compton. *To:* N/A. *Re:* Proposed experiment areas. *Contents:* Part of memo (2 pages missing) on possible tracer, decontamination, agricultural studies.

**DOE-070194-A-31** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 11/12/47 *From:* ER Jette. *To:* NE Bradbury. *Re:* Uranium Tolerances. *Contents:* Two memos on U tolerances and need for info

**DOE-070194-A-32** Reports; 2 documents, 9 pages. *Source:* Department of Energy. *Date:* 11/27/56 *From:* AFSWP. *To:* N/A. *Re:* Joint Board on Future Storage of Atomic Weapons report. *Contents:* Partial report including medical hazards, one point detonation, etc.

**DOE-070194-A-33** Publications; 1 document, 11 pages. *Source:* Department of Energy. *Date:* 06/01/72 *From:* Wright Langham. *To:* N/A. *Re:* Biological Implications of Transuranium Elements in Man. *Contents:* Report on history of Pu and effects on man

**DOE-070194-A-34** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 03/11/63 *From:* Allan Lough. *To:* Tom Shipman. *Re:* Cesium Labs. *Contents:* Letter re sending 3 to MIT to get measured for Cs 137

**DOE-070194-A-35** Reports; 1 document, 14 pages. *Source:* Department of Energy. *Date:* 12/31/58 *From:* Wright Langham Payne Harris. *To:* N/A. *Re:* Human experiences with plutonium.

**DOE-070194-A-36** Reports; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 09/30/47 *From:* Raymond Zirkle, Egon Lorenz. *To:* N/A. *Re:* Plutonium Project. *Contents:* article on carcinogenic effects of Pu and others citing animal data at Oak Ridge and Chicago

**DOE-070194-A-37** Reports; 1 document, 28 pages. *Source:* Department of Energy. *Date:* 03/12/51 *From:* Ernest Pinson. *To:* N/A. *Re:* Body Absorption, Distribution and Excretion of Tritium in Animals and Man. *Contents:* follow-on report to same in man

**DOE-070194-A-38** Reports; 1 document, 32 pages. *Source:* Department of Energy. *Date:* 12/31/48 *From:* HE Silberstien. *To:* N/A. *Re:* Studies of Polonium Metabolism in Human Subjects. *Contents:* Abstracts in Chap. 3 of larger volume, title and date unknown

**DOE-070194-A-39** Correspondence; 1 document, 4 pages. *Source:* Department of Energy. *Date:* 01/03/49 *From:* William Bale. *To:* Henry Blair. *Re:* Shields Warren Request for Information Concerning Polonium Research. *Contents:* study update

**DOE-070194-A-40** Correspondence; 1 document, 7 pages. *Source:* Department of Energy. *Date:* 01/03/49 *From:* Joe Howland. *To:* Henry Blair. *Re:* Shields Warren's Request for Info Concerning the Clinical Metabolism Ward.

**DOE-070194-A-41** Correspondence; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 01/04/49 *From:* Harold Hodge. *To:* Henry Blair. *Re:* Warren's Request for Info Concerning Uranium.

**DOE-070194-A-42** Meetings; 2 documents, 15 pages. *Source:* Department of Energy. *Date:* 04/03/49 *From:* WA Selle, Sec., NEPA Advisory Cmte. *To:* N/A. *Re:* Minutes of the Advisory Committe on Radiation Tolerance of Military Personnel. *Contents:* meeting of the cmte and report by cmte on human experimentation

**DOE-070794-A-1** 1 document, 29 pages. *Source:* Department of Energy (J. Newell Stannard, "Radioactivity and Health: A History": PNL-9604). *Date:* 09/25/81 *From:* J. Newell Stannard. *To:* N/A. *Re:* Interview with Leo Bustad. *Contents:* Anecdotes about fish, cormorants, geese, ducks, horses, deer, alligators in Hanford ecological studies. Discussion of use of sheep for thyroid radioiodine studies at Hanford. p. 9 -- Bustad discusses effort to get biomedical work declassified, which happened in 1952. pp. 9-12 -- Bustad analyzed sheep supposedly affected by 1953 Nevada

tests. He found no evidence of radioiodine or beta burns. Second Hanford Life Sciences Symposium in 1963 -- on radioiodine. Radioiodine studies on sheep and pigs -- from late 1940's to mid 1960's. Also other isotopes and beta burns on pigs. Controlled iodine doses. Whole body counters for sheep. Stannard and Bustad wax nostalgic about the early years of AEC biomedical research, agreeing that the funding system was better then. They agree that criticism of the AEC for its ignorance was unfair. Bustad argues that Parker ran a tight ship, and that if he had been running the reactor at Three Mile Island, no one would remember that name (TMI). Discussion of the legacy of radiobiology research on animals. Discussion of the effects of nuclear war, nuclear power.

**DOE-070794-A-2** 1 document, 10 pages. *Source:* Department of Energy. *Date:* 06/07/79 *From:* J. Newell Stannard. *To:* N/A. *Re:* Interview with Joseph Soldat. *Contents:* Discussion of radioruthenium releases from Hanford in early 1950's. Soldat ways they were not secret -- they were presented at Geneva conferences. Jack Healy pushed to get information on public exposures out (he estimated max 80 mrem). Soldat says this was not secret. Richland was a closed city and everyone saw the monitoring. 1969 or 1970, AEC wants Battelle to produce model of radiation dose to people from nuclear energy in year 2000. Soldat and company developed a series of models of radioactive exposures in the environment -- air, water, food.

**DOE-070794-C-1** Experiment Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC # 708208; Bates #1049160-1049593, 708208. *Date:* 01/01/75 *From:* Investigators. *To:* N/A. *Re:* (experiments) Applications for use of Humans as Experimental Subjects. *Contents:* [Experiments] Application For The Use Of Humans As Experimental Subjects

**DOE-070794-C-2** Publications; 1 document, 1 page.; Reports; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1, CIC # 708207; BATES #1048558-1048559, 708207. *Date:* 06/20/67 *From:* Federal Register, Volume 32-Number 118---Tuesday 6/20/67. *To:* N/A. *Re:* "Consent for Use of Investigational New Drugs On Humans; Statement of Policy".

**DOE-070794-C-3** Reports; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC # 708207; Bates #1048562-1048565, 708207. *Date:* 11/15/71 *From:* N/A. *To:* N/A. *Re:* Radiopharmaceutical Criteria

**DOE-070794-C-4** Correspondence; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; Bates #1048560-1048573, 708207. *Date:* 01/01/70 *From:* Often: Gould Andrews. *To:* N/A. *Re:* US-AEC; "AEC Licensing Guide-Medical Programs".

**DOE-070794-C-5** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES # 1048552-1048555, 708207. *Date:* 05/12/67 *From:* H.V. Larson, Personnel Dosimetry Section. *To:* Gould Andrews. *Re:* Battelle Memorial Institute.

**DOE-070794-C-6** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-7293-5, 708206-708209: Box 1; CIC #708207; BATES # 1048540-1048541, 708207. *Date:* 11/15/66 *From:* Claude Sill (Assistant Director for Technology; Health and Safety Division). *To:* Constantine Maletskos. *Re:* Voluntary Consent Forms.

**DOE-070794-C-7** Publications; 1 document, 14 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708209; Bates #1049765-1049778, 708209. *Date:* 01/01/80 *From:* Gould Andrews, William Pollard. *To:* N/A. *Re:* ORAU: From The Beginning (A history).

**DOE-070794-C-8** Reports; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES # 1048793-1048795, 708207. *Date:* 03/23/67 *From:* Committee for Use of Radioisotope In Humans. *To:* N/A. *Re:* Mission, Membership, Protocol, etcetera of Committee.

**DOE-070794-C-9** Reports; 1 document, 6 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES #1048797-1048802, 708207. *Date:* 11/23/73 *From:* Roger J. Cloutier. *To:* Dr. Andrews and other members. *Re:* Proposed Responsibilities and Operating Rules (draft). *Contents:* Policies and Guidelines for the Medical Radionuclide Committee on the Proposed Responsibilities And Operating Rules.

**DOE-070794-C-10** Correspondence; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209:

Box 1; CIC # 708207; Bates #1048542-1048551, 708207. *Date:* 11/22/66 *From:* Claude Sill, Assistant Director for Technological Health and Safety Division. *To:* Roger Cloutier, ORINS Medical Division. *Re:* Some Guidelines For Studies Involving Internal Administration of Radioactive Materials To Human Volunteers.

**DOE-070794-C-11** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES #1048803, 708207. *Date:* 06/28/67 *From:* Gould Andrews. *To:* Dr. Edwards, Dr. Kniseley. *Re:* Memorandum from Gould A. Andrews to Dr. Edwards and Dr. Kniseley.

**DOE-070794-C-12** Reports; 1 document, 10 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES #1048771-1048790, 708207. *Date:* 12/01/73 *From:* G.A. Andrews. *To:* N/A. *Re:* Radiopharmaceutical Procedures - ORAU Medical Division Administration and Radiation Safety Precautions.

**DOE-070794-C-13** Reports; 1 document, 15 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES #1048750-1048764, 1048750. *Date:* 03/01/94 *From:* Smith, Poe, Dufour, Eddins. *To:* N/A. *Re:* "Health Protection Appaisal -- ORAU".

**DOE-070794-C-14** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC # 708207; BATES #1048574-1048576, 708207. *Date:* 05/08/74 *From:* Joseph A. Lenhard, Director, Research & Technical Support Division. *To:* Dr. William Pollard, Executive Director--ORAU. *Re:* "Unusual Occurrence Report--Misadministration of Radiopharmaceuticals".

**DOE-070794-C-15** Publications; 1 document, 49 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC # 708207; BATES # 1048490-1048539, 708207. *Date:* 04/01/72 *From:* US-AEC -- Medical Programs. *To:* N/A. *Re:* AEC Licensing Guide.

**DOE-070794-C-16** Correspondence; 1 document, 6 pages.; Reports. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES #1048765-1048770, 708207. *Date:* 01/08/74 *From:* Gould Andrews, Medical Division--Chairman at ORAU. *To:* N/A. *Re:* Medical Radionuclide Committee.

**DOE-070794-C-17** Meetings; 1 document, 1 page. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC # 708207; BATES #1048781, 708207. *Date:* 11/07/73 *From:* Roger J. Cloutier Agenda of the Meeting of Medical Isotope Committee. *To:* N/A. *Re:* Agenda for ORAU Medical Isotope Committee Meeting on 11/14/73.

**DOE-070794-C-18** Reports; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES # 1048791-1048792, 708207. *Date:* *From:* N/A. *To:* N/A. *Re:* List of Isotopes, Chemical Forms & Uses.

**DOE-070794-C-19** Correspondence; 1 document, 222 pages.; Experiment Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC # 708207; BATES # 1048732-1048876, 708207. *Date:* 01/01/73 *From:* N/A. *To:* N/A. *Re:* Set of Protocols and other relevant documents for experiments @ ORAU under Medical Radionuclide.

**DOE-070794-C-20** Correspondence; 1 document, 281 pages.; Experiment Records. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: Box 1; CIC #708207; BATES # 1048877-1049158, 708207. *Date:* 01/01/66 *From:* N/A. *To:* N/A. *Re:* ORAU Medical Division, Medical Radionuclide Committee Inactive Protocols and Related Documents--1966-1981 (File 2).

**DOE-070794-C-21** Correspondence; 17 documents, 39 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-702935, 708206-708209: Copy one of two, 702822-702833, 702835-702837, 702839-702840. *Date:* 02/08/74 - 05/22/78 *From:* Dave Lester, F.P. Hungate, H.M. Parker, W.J. Bair, Sam Farmer: Battelle. *To:* Same. *Re:* Development of Batelle Blood Irradiator Program. *Contents:* 1) Correspondence between Battelle officials and members of Battelle's Human Subjects Committee (HSC) regarding the development of an AEC contracted blood irradiator to be used on human subjects by Dr. James Wolf with the Veteran's hospital in Richmond, VA. The three latest pieces of correspondence, dated 9/16/76,10/4/76, and 5/22/78 discuss the potential widespread commercial use of the vitreous Carbon-170 irradiator for various clinical applications. 2) HSC reviews of semi-portable blood irradiator program: three which conclude that the rights of the subject are adequately protected, one which concludes that they are not

adequately protected, and three which state no conclusion. 3) Diagram and description of vitreous Carbon-170Tm irradiator.

**DOE-070794-C-22** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: One of two, 702834. *Date:* 02/26/74 *From:* D.L. Condotta, Associate Laboratory Director, Battelle. *To:* Dr. W.W.H. Weyzen, Division of Biological and Environmental Research and Safety, Atomic Energy Commission. *Re:* Submission by Battelle to AEC of evaluation of blood irradiator alternatives. *Contents:* Correspondence assuring AEC that Battelle is ready to provide the blood irradiator for Dr. J. S. Wolf, VA Hospital, Richmond, VA within four months of AEC approval, and introduction of accompanying evaluation of blood irradiator alternatives.

**DOE-070794-C-23** Reports; 1 document, 34 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: one of two, 702838. *Date:* 03/01/74 *From:* D.H. Lester and W.F. Riemath, Battelle Memorial Institute. *To:* N/A. *Re:* "Alternatives for the AEC providing a blood irradiator to Veteran's Hospital, Richmond, Virginia". *Contents:* Battelle report on possible irradiator systems for the AEC/Richmond Veterans Hospital (Dr. James Wolf) contract, licensing requirements, shipping requirements, program plan (schedule and cost), and recommendations. Appendices include licensing requirement information, W.F. Riemath's report on his trip to the VA hospital, and a list of 11 vendors contacted.

**DOE-070794-C-24** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (Coordination and Information Center (CIC) Las Vegas, Nevada (Reynolds Electric and Engineering Co., Inc.), Docs 702822-72935, 708206-708209: one of two, 702841-702843. *Date:* 11/18/60 *From:* Eldon L. Foltz, M. D., Lloyd M. Nyhus, M.D., and Ralph M. Baltzo, University of Washington School of Medicine. *To:* A.E. Demers, Radiation Test Unit, Hanford Atomic Products. *Re:* University of Washington School of Medicine request for Yttrium-90 beads. *Contents:* Request for 10 to 12 beads of Yttrium-90, to be supplied by Hanford Atomic Products for each transnasal hypophysectomy (the implanting of radioactive beads in the pituitary gland to destroy this organ in the treatment of cancer, with a total dosage of 10 millicuries), and notification of implantation in a patient.

**DOE-070794-C-25** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 09/27/67 *From:* N/A. *To:* Gould Andrews. *Re:* FDA regs and pharmaceuticals. letter from Brookhaven to Andrews, ORINS

**DOE-070794-C-26** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 03/31/67 *From:* ORAU, G Andrews approved. *To:* N/A. *Re:* Recruitment of Human Volunteers, Policy of Medical Division, ORAU. Outline of definition of normal subject, recruitment process and release form

**DOE-070794-C-27** Reports; 2 documents, 10 pages. *Source:* Department of Energy. *Date:* 11/22/66 *From:* Claude Bill. *To:* Roger Cloutier. *Re:* Some Guidelines for the Internal Administration of Radioactive Materials to Human Volunteers. Cover letter and report. Bill was w/Health and Safety Division, AEC, Idaho Falls

**DOE-071494-A-1** Reports; 4 documents, 20 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: RG 326 (Research and Medicine) 1943-52: box #46, Organization and Management. *Date:* 08/26/48 *From:* Atomic Energy Commission. *To:* N/A. *Re:* Organization of Oak Ridge Operations . *Contents:* Detailed 1948 org charts for Oak Ridge Operations, including names and division descriptions.

**DOE-071494-A-2** Meetings; 1 document, 65 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: RG 326 (Research and Medicine) 1943-52: Box #40, Board of Review. *Date:* 06/16/47 *From:* Medical Review Board, AEC. *To:* N/A. *Re:* Transcript of the First Meeting of The Medical Review Board. *Contents:* Policy development re research in biological effects of radiation for AEC, structure of AEC field sites

**DOE-071494-A-3** Meetings; 1 document, 7 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: RG 326 (Research and Medicine): Box #30, Organization and Meeting. *Date:* 12/10/49 *From:* Subcommittee on Human Applications. *To:* N/A. *Re:* Minutes of 12/10/49 Meeting of Subcommittee on Human Applications of Committtee on Isotope Distribution. *Contents:* Review of allocation policy, revisions and extensions of allocation procedure (P-32, Sr-90, Co-60, Au-198), and allocation of radioisotopes to osteopathic hospitals.

**DOE-071494-A-4** Reports; 1 document, 12 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: Rg 326 (Research and Medicine): Box #40, Board of Review. *Date:* 06/20/47 *From:* Robert F. Loeb, Chairman. *To:* David E. Lilienthal. *Re:* 1947 Report of the Board of Review. *Contents:* Recommendations of the AEC Board of Review re the future of the biomedical program, including the recommendation to create ACBM and Medical Director.

**DOE-071494-A-5** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: RG 326 (Research and Medicine) 1943-52: Box # 40, Board of Review. *Date:* 06/27/47 *From:* David Lilienthal. *To:* Robert F. Loeb. *Re:* AEC Response to Report of the Medical Board Review. *Contents:* Letter to Loeb expressing appreciation for the Board's work, and AEC plans for future action based on the Board's recommendations.

## *Sources and Documentation*

**DOE-071494-A-6** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: RG 326 (Research and Medicine) 1943-52: Box #40, Organization and Management. *Date:* 09/15/49 *From:* Paul Aebersold. *To:* R. W. Cook. *Re:* Comment on minutes of 3/13/49 meeting of Subcommittee on Human Applications of Committee on Isotope Distribution. *Contents:* Two memoranda, one confirming Albert Holland's attendance at 12/10/49 meeting of the Subcommittee on Human Applications, and one accompanying copy of minutes of the 3/13/49 meeting sent to R. W. Cook.

**DOE-071494-A-7** Correspondence; 1 document, 5 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: Rg 326 (Research and Medicine) 1943-52: Box: 39, Medical Advisory Committee. *Date:* 12/04/46 *From:* James H. Lum. *To:* A. V. Peterson. *Re:* Letter re health physics seminar at Clinton Labs. *Contents:* Letter from Monsanto Chemical Company to Manhattan Engineer District re biology and health physics programs at Clinton Labs

**DOE-071494-A-8** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: RG 326 (Research and Medicine) 1943-52: Box 39, Medical Advisory Committee. *Date:* 11/26/46 *From:* Karl Z. Morgan. *To:* N/A. *Re:* Proposal for a Health Physics Training Program and the Creation of a Health Physics Advisory Committee. *Contents:* Memo from Karl Morgan stressing the importance of MED's having a strong health physics program.

**DOE-071494-A-9** Correspondence; 1 document, 8 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: RG 326 (OR Division of Research): Box 13, Isotopes 2. *Date:* 08/31/46 *From:* Isotopes Branch, Research Division, Manhattan District. *To:* N/A. *Re:* MED Isotopes Branch, 2nd report of requests received August 1 to 31, 1946. *Contents:* Isotope requests received during August, 1946

**DOE-071494-A-10** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations Office; NARA, Atlanta branch: RG 326 (Research and Medicine) 1943-52: Box #36, 11.H Santa Fe Area. *Date:* 10/16/44 *From:* L. H. Hempelmann. *To:* Stafford L. Warren. *Re:* Health hazards connected with last RaLa experiment.

**DOE-072294-A-1** Correspondence; 12 documents, 30 pages. *Source:* Department of Energy. *Date:* 05/15/59 *From:* N/A. *To:* N/A. *Re:* Home Radiation Shielding Program. *Contents:* Consent forms (multiple copies) , terms and conditions, various correspondence re program

**DOE-072294-A-2** Meetings; 1 document, 49 pages. *Source:* Department of Energy. *Date:* 12/04/54 *From:* Isotopes Division. *To:* N/A. *Re:* Minutes--Subcommittee on Human Applications--12/54. *Contents:* Mtg minutes

**DOE-072294-A-3** Correspondence; 3 documents, 7 pages. *Source:* Department of Energy. *Date:* 09/29/54 *From:* Herman Roth, J Ould, Wm. Pollard. *To:* N/A. *Re:* Letter of Agreement. *Contents:* Memos back and forth on creating a letter of agreement between ORINS and member institutions

**DOE-072294-A-4** Correspondence; 3 documents, 4 pages. *Source:* Department of Energy. *Date:* 11/01/56 *From:* Wm Pollard, Herman Roth. *To:* N/A. *Re:* ORINS Med Div Clinical Irradiation Experiment. *Contents:* Memos re irradiation for leukemia

**DOE-072294-A-5** 1 document, 3 pages. *Source:* Department of Energy. *Date:* *From:* I. U. Boon, L. M. Coklin, G. Trafton, R. Nes Prez. *To:* N/A. *Re:* Metabolism of C 14 - Isoniazed in Humans.

**DOE-072294-A-6** 1 document, 13 pages. *Source:* Department of Energy. *Date:* *From:* R. L. Schuch. *To:* N/A. *Re:* Development of Large Volume Liquid Scintillation Detector.

**DOE-072294-A-7** Reports; 1 document, 1 page. *Source:* Department of Energy. *Date:* *From:* C. C. Lushbaugh and P. S. New. *To:* N/A. *Re:* Clinical Applications of Whole Body Scintillometry. II. A Comparison of Three Different Methods of Determining Retention and Thyroid Uptake of Orally Administered I-131.

**DOE-072294-A-8** Reports; 1 document, 10 pages. *Source:* Department of Energy. *Date:* *From:* C. C. Lushbaugh and D. R. Hale. *To:* N/A. *Re:* Clinical Applications of Whole-Body Scintillometry. I. Retention of Orally Administered Iron.

**DOE-072294-A-9** 1 document, 3 pages. *Source:* Department of Energy. *Date:* *From:* M. A. Van Dilla. *To:* N/A. *Re:* Zinc 65 and Zirconium 95 in Food.

**DOE-072294-A-10** Reports; 1 document, 4 pages. *Source:* Department of Energy. *Date:* *From:* N/A. *To:* N/A. *Re:* Summary and References.

**DOE-072294-A-11** Reports; 1 document, 5 pages. *Source:* Department of Energy. *Date:* *From:* D. F. Peterson, M. Magee, and A. Murray, III. *To:* N/A. *Re:* Deoxynucleosides in the Urine of Irradiated Animals and Man.

**DOE-072294-A-12** Reports; 1 document, 8 pages. *Source:* Department of Energy. *Date:* *From:* C. R. Richmond. *To:* N/A. *Re:* Retention and Excretion of Radionuclides of the Alkali Metals by Five Mammalian Species.

**DOE-072294-A-13** Reports; 1 document, 15 pages. *Source:* Department of Energy. *Date:* *From:* B. Clinton, J. Allen, and E. C. Anderson. *To:* N/A. *Re:* Monitoring of Milk for K 40, Cs 137, and Ba 140/La 140.

**DOE-072294-A-14** 1 document, 5 pages. *Source:* Department of Energy. *Date:* *From:* M. A. Van Dilla and M. J. Engelke. *To:* N/A. *Re:* Zinc 65 in Cyclotron Workers. *Contents:* Los Alamos Annual Report

**DOE-072294-A-15** Correspondence; 1 page. *Source:* Department of Energy. *Date:* 03/13/62 *From:* T. L. Shipman. *To:* C. C. Lushbaugh. *Re:* Studies on Normal Subjects.

**DOE-072294-A-16** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 04/30/47 *From:* Carroll Wilson. *To:* Stafford Warren. *Re:* Extension of medical contracts with conditions . letter re extension of contracts and ethical considerations

**DOE-072694-A-0** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 07/19/46 *From:* Dr. Hamilton. *To:* John Fulton. *Re:* Knowledge of Radioactive Experimentation. Letter to Dr. Fulton from Dr. Hamilton relaying his ignorance concerning John's participation in any wartime experimentation

**DOE-072694-A-1** Meetings; 1 document, 2 pages. *Source:* Department of Energy (DOE History Division, Collection 1129: DBM 1, 4. *Date:* 10/11/47 *From:* ACBM. *To:* N/A. *Re:* Draft Minutes, Second Meeting of the ACBM. excerpt

**DOE-072694-A-2** Meetings. *Source:* Department of Energy (DOE History Division, Collection 1129: DBM, Box 1, 4. *Date:* 11/07/47 *From:* AEC, Advisory COmmittee on Biology and MEdicine. *To:* N/A. *Re:* Draft Minutes,Third Meeting of the ACBM.

**DOE-072694-A-3** Meetings; 2 documents, 15 pages. *Source:* Department of Energy (DOE History Division, Collection 1129: Division of Biology and Medicine, Box 1, 4. *Date:* 02/09/48 *From:* Carroll Wilson. *To:* Commissioners and Division Heads. *Re:* Meeting of the Advisory COmmittee on Biology and Medicine. Agenda of the 02/14/48 ACBM meeting

**DOE-072694-A-4** Meetings; 1 document, 13 pages. *Source:* Department of Energy. *Date:* 10/11/47 *From:* Advisory Committee for Biology and Medicine. *To:* N/A. *Re:* Draft Minutes. Minutes of the committee where secrecy in the fields of biological and medical experimentation were discussed

**DOE-072694-A-5** Meetings; 1 document, 9 pages. *Source:* Department of Energy. *Date:* 10/08/47 *From:* Advisory Board on Medicine and Biology. *To:* Adivsory Board on Medicine and Biology. *Re:* Medical Policy. Minutes of Adivosry Board meeting where discussion on classification was entertained

**DOE-072694-B-1** Correspondence; 2 documents, 3 pages. *Source:* Department of Energy. *Date:* 08/30/49 *From:* Marshall Stubbs. *To:* Joseph Hamilton. *Re:* Press Release on RW. *Contents:* At Hamilton's request, Stubbs prepared a draft press release on the upcoming RW field tests at Dugway. However, he notes that (1) a May 1949 meeting of the Committee on Atomic Energy (DOD) had recommended against such a release and (2) a few weeks later a meeting of the Military Liaison Committee and the General Advisory Committee of the AEC drafted a letter from AEC Chairman Lilienthal and Secretary of Defense Johnson to President Truman recommending a release of information, but this request was turned down. Also included is a draft press release, which states that the purpose of the Dugway field tests is defensive and that the tests were deemed safe.

**DOE-072694-B-2** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 05/18/50 *From:* C. B. Marquand. *To:* Joseph Hamilton. *Re:* Security Measures, Dugway Proving Ground. *Contents:* The letter thanks Hamilton for his report and recommendations, dated 5/10/50, on the 1950 RW field test plans and expresses hope that Hamilton will be able to visit Dugway before a planned 7,500 curie drop. Attached is a memo, E. C. Wallington to Commanding Officer, Western Chemical Center, Tooele, Utah, 5/8/50, noting that fencing and surveillance can be discontinued at the sites of the earlier RW tests, and that fencing with signs "Contaminated Area--No Trespassing" be posted around areas where exposures could exceed occupational limits (300 mr/week or 15 r/year).

**DOE-072694-B-3** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 07/06/49 *From:* Joseph Hamilton. *To:* C. B. Marquand. *Re:* Risk of using of tantalum in RW field tests. *Contents:* Hamilton notes that Dugway is dry, windy, and dusty, and expresses concern that radioactive dust from the planned RW tests could pose a hazard. He proposes using gold-198, with a half-life of 2.7 days, in place of tantalum-182, with a half-life of 117 days.

**DOE-072694-B-4** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 05/13/50 *From:* G. Failla. *To:* Joseph Hamilton. *Re:* Monitoring dust from Dugway RW tests. *Contents:* Failla expresses concern over the possible hazard from windborne radioactive dust, and proposes stationing air filters at strategic locations on the test site at Dugway.

**DOE-072694-B-5** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 09/19/49 *From:* Karl Z. Morgan. *To:* Joseph Hamilton. *Re:* Airborne monitoring of Dugway RW tests. *Contents:* Morgan proposes using airborne monitoring devices developed and tested by Francis Davis at Oak Ridge to monitor radioactivity in air from the first Dugway RW tests. These would involve either a relatively open program at USGS or a highly classified Air Force plane.

**DOE-072694-B-6** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 01/05/50 *From:* William M. Creasy. *To:* Commanding General, Military Air Transport Service. *Re:* Continued use of aircraft for monitoring Dugway RW tests. *Contents:* Creasy notes the use of USAF C-47 aircraft with filters to monitor radioactivity from 10/22/49 and 11/30/49 Dugway RW tests and requests continued use in future tests.

## *Sources and Documentation*

**DOE-072694-B-7** Correspondence; 2 documents, 3 pages. *Source:* Department of Energy. *Date:* 05/10/50 *From:* Joseph Hamilton. *To:* Albert R. Olpin. *Re:* Recommendations for 1950 Dugway RW tests. *Contents:* "I am firmly convinced that this is a safe series of operations." Enclosed is a letter, Hamilton to C. B. Marquand, 5/10/50. This letter notes that there was no significant dispersal of radioactivity from the 11/30/49 tests, so the planned tests "are safe and should be permitted."

**DOE-072694-B-8** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 05/03/51 *From:* Joseph Hamilton. *To:* Karl Morgan. *Re:* Radiological surveys at Dugway. *Contents:* Hamilton discusses the range of ground- and air-based radiological survey techniques used at Dugway.

**DOE-072694-B-9** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 05/03/50 *From:* WR Currie. *To:* Joe Hamilton. *Re:* Proposed RW Program, Summer 1950. *Contents:* letter

**DOE-072694-B-10** Reports; 1 document, 4 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 02/14/51 *From:* George Milly. *To:* N/A. *Re:* Test Directive, FT619. *Contents:* test plan

**DOE-072694-B-11** Reports; 1 document, 5 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 02/14/51 *From:* George Milly. *To:* N/A. *Re:* Test Directice, FT620. *Contents:* test plan

**DOE-072694-B-12** Reports; 1 document, 5 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 02/14/51 *From:* George Milly. *To:* N/A. *Re:* Test Directive, FTs 621, 622. *Contents:* test plans

**DOE-072694-B-13** Reports; 1 document, 5 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 02/14/51 *From:* George Milly. *To:* N/A. *Re:* Test Directive, FT623. *Contents:* test plan

**DOE-072694-B-14** Reports; 1 document, 6 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 02/14/51 *From:* George Milly. *To:* N/A. *Re:* Test Directive, FT624. *Contents:* RW test plan

**DOE-072694-B-15** Reports; 1 document, 5 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 03/07/51 *From:* George Milly. *To:* N/A. *Re:* Interim Report, FT 292, Static Tests. *Contents:* interim report

**DOE-072694-B-16** Reports; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 03/05/51 *From:* George Milly. *To:* N/A. *Re:* Supplement to Interim Report, FT 290. *Contents:* revision of interim report

**DOE-072694-B-17** Reports; 1 document, 26 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 04/04/51 *From:* George Milly. *To:* N/A. *Re:* Test Directive, FT 620. *Contents:* test plan, maps

**DOE-072694-B-18** Reports; 1 document, 10 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 04/06/51 *From:* George Milly. *To:* N/A. *Re:* Test Directive 623, 624. *Contents:* test plan

**DOE-072694-B-19** Reports; 1 document, 12 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 04/01/52 *From:* N/A. *To:* N/A. *Re:* Countermeasure Test Program for Decontamination and Protection of Land Targets and Vehicles. *Contents:* Testplan for fall 1952

**DOE-072694-B-20** Reports; 1 document, 5 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 08/29/52 *From:* Truman Cook. *To:* Chem Corps Adivsory Council. *Re:* RW Tests-DPG. *Contents:* memo on coming tests

**DOE-072694-B-21** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 06/01/50 *From:* Joe Hamilton. *To:* CB Marquand. *Re:* RW Test Safety. *Contents:* letter

**DOE-072694-B-22** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 04/19/51 *From:* KZ Morgan. *To:* Joe Hamilton. *Re:* Proposed Tests at Dugway. *Contents:* letter

**DOE-072694-B-23** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 11/18/52 *From:* Joe Hamilton. *To:* CB Marquand. *Re:* contamination and hazards. *Contents:* letter

## *Appendix E*

**DOE-072694-B-24** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 06/17/53 *From:* Joe Hamilton. *To:* CB Marquand. *Re:* test hazards. *Contents:* letter

**DOE-072694-B-25** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 07/03/53 *From:* Speers Ponder. *To:* Chem Corps Advisory Council. *Re:* RW Test Safety--DPG. *Contents:* memo

**DOE-072694-B-26** Reports; 1 document, 3 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 05/29/49 *From:* CB Marquand. *To:* N/A. *Re:* Report on Meeting w/Joe Hamilton. *Contents:* report on meeting

**DOE-072694-B-27** Reports; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 06/01/49 *From:* N/A. *To:* N/A. *Re:* RW Decontamination Support of the Dissemination Program. *Contents:* program outline

**DOE-072694-B-28** Correspondence; 1 document, 1 page. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 07/06/49 *From:* Joe Hamilton. *To:* KZ Morgan. *Re:* RW testing. *Contents:* letter

**DOE-072694-B-29** Meetings; 2 documents, 10 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 08/24/49 *From:* CB Marquand. *To:* Joe Hamilton. *Re:* Minutes-Test Safety Panel. *Contents:* cover letter and minutes

**DOE-072694-B-30** Reports; 2 documents, 54 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/16). *Date:* 11/04/49 *From:* CB Marquand. *To:* Joe Hamilton. *Re:* RW Weapons Development thru 9/49. *Contents:* cover letter, appendices

**DOE-072694-B-31** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 09/29/52 *From:* Keith Anderson. *To:* DPG Scientific Coordinator. *Re:* Contamination of RW Target Areas. *Contents:* memo

**DOE-072694-B-32** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 10/29/52 *From:* William Stowe. *To:* Special Projects, Chem Corps. *Re:* RW Target Area. *Contents:* memos

**DOE-072694-B-33** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 11/11/46 *From:* R Overstreet, L Jacobson. *To:* Joe Hamilton. *Re:* Potentialities of RW. *Contents:* memo

**DOE-072694-B-34** Correspondence; 2 documents, 5 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 04/07/48 *From:* Joe Hamilton. *To:* DT Griggs. *Re:* Possibilties of RW. *Contents:* letter

**DOE-072694-B-35** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 04/28/48 *From:* Joe Hamilton. *To:* EO Lawrence. *Re:* Sources of rad injury from bomb. *Contents:* letter

**DOE-072694-B-36** Correspondence; 1 document, 12 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 05/05/48 *From:* Ken Scott. *To:* Joe Hamilton. *Re:* Fission Products Warfare. *Contents:* letter

**DOE-072694-B-37** Reports; 1 document, 15 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 07/02/48 *From:* DT Griggs. *To:* Joe Hamilton. *Re:* Weapons of Radiological Warfare. *Contents:* draft report

**DOE-072694-B-38** Reports; 1 document, 30 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 03/10/48 *From:* DT Griggs, EM McMillan. *To:* N/A. *Re:* Prelim Study on the Effectiveness of Pile Fission Products as Agent of RW. *Contents:* report

**DOE-072694-B-39** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 05/13/49 *From:* Tibbit(?). *To:* Harry Wexler. *Re:* re Test Safety Panel. *Contents:* letter

**DOE-072694-B-40** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 05/31/49 *From:* EH Plesset. *To:* Joe Hamilton. *Re:* RW Conference. *Contents:* letter, topics of discussion

## *Sources and Documentation*

**DOE-072694-B-41** Correspondence; 3 documents, 7 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 06/23/49 *From:* John Grebe. *To:* Joe Hamilton. *Re:* Piles for RW. *Contents:* two letters

**DOE-072694-B-42** Reports; 3 documents, 9 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 08/29/49 *From:* Logistics Division, USA. *To:* AEC. *Re:* Basic Biological Info. *Contents:* questions and answers on RW biologcial info.

**DOE-072694-B-43** Correspondence; 1 document, 1 page. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 01/12/50 *From:* CB Marquand. *To:* Joe Hamilton. *Re:* RW TSP future work. *Contents:* letter

**DOE-072694-B-44** Correspondence; 1 document, 1 page. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 11/30/50 *From:* Shields Warren. *To:* Joe Hamilton. *Re:* Noyes and tantalum. *Contents:* letter

**DOE-072694-B-45** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 11/28/50 *From:* Joe Hamilton. *To:* Shields Warren. *Re:* RW tolerances. *Contents:* letter

**DOE-072694-B-46** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 04/07/52 *From:* Col. Cook, Chem Corps Special Projects. *To:* Chem Corps Advisory Council. *Re:* RW Test Safety Panel--status. *Contents:* memo

**DOE-072694-B-47** Correspondence; 1 document, 1 page. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 10/26/51 *From:* Joe Hamilton. *To:* CB Marquand. *Re:* RW Panel, recommendations. *Contents:* letter

**DOE-072694-B-48** Correspondence; 1 document, 1 page. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 10/29/52 *From:* unknown. *To:* N/A. *Re:* RW DPG--future. *Contents:* memo to file

**DOE-072694-B-49** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 02/25/53 *From:* Joe Hamilton. *To:* John Bugher. *Re:* RW and inhalation hazards. *Contents:* letter

**DOE-072694-B-50** Reports; 1 document, 51 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 05/11/53 *From:* N/A. *To:* N/A. *Re:* Evaluation of the Airborne Hazard Associated with Radiological Warfare Tests. *Contents:* report

**DOE-072694-B-51** Correspondence; 3 documents, 13 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 06/15/53 *From:* William Creasy. *To:* Army. *Re:* Reduction of RW Funds. *Contents:* memos

**DOE-072694-B-52** Correspondence; 1 document, 8 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 04/07/54 *From:* Truman Cook. *To:* Morris Shoss. *Re:* Summ and Status of RW Program.

**DOE-072694-B-53** Reports; 1 document, 9 pages. *Source:* Department of Energy (University of California, Berkeley, Lawrence Berkeley Laboratory, Archives and Records Office, Joseph Hamilton Collection: box 8/18). *Date:* 12/31/52 *From:* N/A. *To:* N/A. *Re:* RW History through 1952. *Contents:* history thru 1952

**DOE-072694-B-54** Correspondence; 1 document, 4 pages. *Source:* Department of Energy. *Date:* 11/20/47 *From:* Joe Hamilton. *To:* Stafford Warren. *Re:* Radioactivity at Alamagordo. *Contents:* letter re. sampling at Alamagordo

**DOE-072694-B-55** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 05/17/50 *From:* Albert Olpin. *To:* Joe Hamilton. *Re:* Continuation of test program. *Contents:* letter re health hazards at DPG

**DOE-072694-B-56** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 08/21/50 *From:* Joe Hamilton. *To:* Russell Ball. *Re:* Request for tantalum wire. *Contents:* Outlines proposal and request

**DOE-072694-B-57** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/17/50 *From:* Joe Hamilton. *To:* Donald Cooksey. *Re:* Update on tantalum procurement-security concerns. *Contents:* Hamilton letter on getting Ta wire

**DOE-072694-B-58** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 09/27/50 *From:* Joe Hamilton. *To:* CB Marquand. *Re:* RW indoctrination. *Contents:* RW training for soldiers, other misc.

**DOE-072694-B-59** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 07/31/52 *From:* James Hebbeler. *To:* Joe Hamilton. *Re:* Response to questions re Zr-Cb program. *Contents:* Hebbeler responds to several points

**DOE-072694-B-60** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/31/52 *From:* Cook, Chem Corps. *To:* Chem Corps Advis Council. *Re:* RW Test Safety Panel. *Contents:* Hamilton's trip to DPG cancelled, questions on the block.

**DOE-072694-B-61** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 05/02/49 *From:* Alden Waitt. *To:* MLC. *Re:* Panel to Investigate Safety of Cilian Populations from Tests of RW Agents. *Contents:* request to for Test Safety Panel

**DOE-072694-B-62** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/04/47 *From:* Joe Hamilton. *To:* Brig. Gen. James McCormack. *Re:* Proposed advisory group on RW. *Contents:* Hamiltons list

**DOE-072694-B-63** Correspondence; 1 document, 7 pages. *Source:* Department of Energy. *Date:* 12/31/46 *From:* Joe Hamilton. *To:* KD Nichols. *Re:* Radioactive Warfare. *Contents:* THE MEMO

**DOE-072694-B-64** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 04/28/53 *From:* Joe Hamilton. *To:* John Bowers. *Re:* Assessment of aerosol hazards. *Contents:* letter on potential hazards in tests

**DOE-072694-B-65** Reports; 1 document, 9 pages. *Source:* Department of Energy. *Date:* 05/10/45 *From:* Joseph G. Hamilton. *To:* N/A. *Re:* Progress Report for the Month of May 1945, Contract # W-7405-eng-48-A.

**DOE-072694-B-66** Reports; 1 document, 8 pages. *Source:* Department of Energy. *Date:* 06/14/45 *From:* Joseph G. Hamilton. *To:* N/A. *Re:* Progress Report for the Month of June 1945, Contract # W-7405-eng-48-A.

**DOE-072694-B-67** Reports; 1 document, 7 pages. *Source:* Department of Energy. *Date:* 09/14/45 *From:* Joseph G. Hamilton. *To:* N/A. *Re:* Progress Report for Month of September 1945, Contract # W-7405-eng-48-A.

**DOE-072694-B-68** Reports; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 05/31/43 *From:* Joseph Hamilton. *To:* N/A. *Re:* Brief Review of Possible Applications of Fission Products in Offensive Warfare. report re different modes of waging radio-warfare

**DOE-072694-B-69** Reports; 1 document, 10 pages. *Source:* Department of Energy. *Date:* 09/14/45 *From:* Joseph Hamilton. *To:* N/A. *Re:* Progress Report for the Month of September 1945. progress report, budget figures

**DOE-072694-B-70** Correspondence; 5 documents, 11 pages. *Source:* Department of Energy. *Date:* 05/16/60 *From:* Norman Telles. *To:* Robert Stewart. *Re:* fallout in infants foods. Correspondence, instructions

**DOE-072694-B-71** Reports; 1 document, 26 pages. *Source:* Department of Energy. *Date:* *From:* Joe Hamilton. *To:* N/A. *Re:* Medical Applications of Radioactive Tracers. report updating uses of tracers

**DOE-072694-B-72** Experiment Records; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/27/48 *From:* N/A. *To:* N/A. *Re:* Helen Narsanin record. part of record

**DOE-072694-B-73** Reports; 3 documents, 95 pages. *Source:* Department of Energy. *Date:* 09/01/67 *From:* John Lawrence. *To:* N/A. *Re:* Four reports re heavy ion therapy. four reports on various studies using heavy ions

**DOE-082294-B-1** Reports. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709030-709031. *Date:* 09/10/48 *From:* N/A. *To:* N/A. *Re:* Overall Program in Biology and Medicine for Radiological Warfare with Exhibit C. *Contents:* RW Study Group to operate under auspices of D.B.M.; to collect existing info on rad warfare and classify such material; also U. Chicago toxicity lab to "advance overall program as quickly as possible" - effects of external rad, internal rad (on lab animals) and contamination of food, wounds, use of special instrumentation, diagnosis and treatment of rad sickness and definition of acceptable dosages; also to study psychologial aspects of rad warfare. Exhibit C: "Proposed revised program for the U. Chicago Toxicity Lab" - studying biologial effects of gamma emitters; health physics (coordination with Argonne National Lab); using animals

**DOE-082294-B-2** Reports. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, CIC 709032. *Date:* 09/15/48 *From:* Franklin McLean. *To:* Dr. Shields Warren. *Re:* "Conference of September 10,1948". *Contents:* Review of meeting agenda and participants, notes 3/29/48 letter from Carroll Wilson, GM of A.E.C. to McLean authorizing initiation of data collection and conduct of R&D on biological effects of radiation. Recommendation that RW Study Group in Bio and Medicine be formally activated. Mentions attachments Exh. A--proposed plan for organization of study group; Exh. B--list of items for inclusion in Program; Exh C--proposed revision of Program of the Univ. of Chicago Tox. Lab.; Proposes budget reduction from 250,000 to 200,000 in light of UCTL program revisions.

**DOE-082294-B-4** Correspondence. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709035. *Date:* 03/08/73 *From:* James L. Liverman, Dir., Div. of Biomed. and Environmental Research. *To:* Dr. John Storer, Biology Division, ORNL. *Re:* Letter to John Storer, 3/8/73. *Contents:*

Liverman tells Storer of AEC's decsion to discontinue ACBM. Thanks him for his service and knowledge of DBER program.

**DOE-082294-B-5** Correspondence. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709043. *Date:* 01/22/73 *From:* Robert D. Moseley, Chr., ACBM. *To:* James R. Schlesinger, Chr., AEC. *Re:* Letter re. ACBM direction, 1/22/73. *Contents:* Reporting on 145th meeting of ACBM at Oak Ridge. Discusses possibility of ACBM getting funding from non-AEC agencies. Also tries to justify existence by proving itself invaluable as policy advisory committee, using examples of resolving intramural problems at UCLA Laboratory, advice on stable isotope program at Los Alamos, and advice on significance of using negative pi-meson at Los Alamos for med. research.

**DOE-082294-B-6** Reports; 1 page. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709044. *Date:* 01/01/72; 12/30/72 *From:* ACBM. *To:* N/A. *Re:* Annual Report of Advisory Committee for Biology and Medicine--Report Period: 1/1/72-12/30/72. *Contents:* Mandate of ACBM as "providing general policy guidance on policy matters relating to health and safety and in research areas relating to radiological health standards..and guidance on broad programs..aimed at determining effects of radiation on populations, individuals and various components in the environment." Also mentions dates of letters to AEC chair and dates of meetings held in CY 1972.

**DOE-082294-B-7** Meetings. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709049. *Date:* 02/09/73 *From:* N/A. *To:* N/A. *Re:* Minutes of Policy Session 87. *Contents:* Lists attendees of Commissioners conference of 2/1/73, result of commission vote on continuation of 10 /13 advisory committees, approved new advisory committee regulations, and approved abolition of ACBM with option to reconstitute under DBER.

**DOE-082294-B-8** Correspondence. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709050. *Date:* 11/22/72 *From:* James Liverman, Dir., DBER. *To:* Bertram Schur, Assoc. AG. *Re:* Response Memorandum, 11/22/72 re. FACA. *Contents:* Membership, purpose and activities, frequency of meetings, and advice recipient of: Advis. Cmte. for Bio and Medicine; Transuranium Technical Group (thru American Institute of Biological Sciences), Advis. Cmte. to AEC's Food Irradiation Program

**DOE-082294-B-10** Correspondence. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 707056. *Date:* 08/18/72 *From:* John Totter, Dir., DBER. *To:* Donald Bostock. Dir., Personnel Div. *Re:* FOIAbility of advisory committee records. *Contents:* Memo is an exemption request from new FOIA regulations . Reasons given include national security, trade secrets and sensitive financial information, and medical and other similar files of a private nature. Other enclosures include the Exec. Order (11671) itself, and incomplete memo on management of various advisory committees.

**DOE-082294-B-11** Meetings. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709058. *Date:* 10/09/48 *From:* N/A. *To:* N/A. *Re:* Minutes--ACBM 12th Meeting--Hanford Ops Office--10/8-9-48. *Contents:* Includes attendees. Also recounts concerns of Dr. Parker, Mgr of Health Instruments Division , who was seeking advice on problems of "active particle dissemination" from process stacks. Particles were contaminated rust particles from ductwork since replaced. Table of samples included. Dr. W.D. Norwood reported on medical program and health of GE workers at plant. Dr. Jensen reports on resurvey of Alamogordo and question of whether to fence off as a hazardous area due to activity in rangeland. Reported activity also in animal droppings. In exec. session, discuss rerouting contracts from Office of Naval Research through AEC directly. Mentions draft letter circulated to Robert Stone re. policies of AEC relating to experimental therapy. Discusses review of RW program at Chicago Toxicity Lab and lists panel members.

**DOE-082294-B-12** Meetings. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709059. *Date:* 10/04/48 *From:* Carroll Wilson, GM. *To:* Commissioners and Division Heads. *Re:* Mtg. of ACBM. *Contents:* Agenda for 10/8-9 meeting.

**DOE-082294-B-13** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709061. *Date:* 10/14/94 *From:* Shields Warren. *To:* Carroll Wilson. *Re:* Report of 10/8-9 mtg of ACBM. *Contents:* Summary of mtg.

**DOE-082294-B-14** Reports; 1 document, 4 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709064. *Date:* 10/26/48 *From:* Roy Snapp. ACBM Sec. *To:* ACBM. *Re:* Staff action since 10/8 mtg. *Contents:* Summary of staff action taken on various subjects addressed at mtg. inlcuding Hanform particle problem and building problem, the research program re. direct contracting vs. thru ONR; personnel at Univ. of Rochester; experimental therapy; the RW program at Chicago Tox. labs; the Civilian Defense Planning program; the distribution of cyclotron-produced isotopes; and the activity of Alamogordo.

**DOE-082294-B-15** Meetings; 1 document, 19 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709065. *Date:* 09/12/48 *From:* N/A. *To:* N/A. *Re:* Minutes of ACBM

mtg.--9/11/48. *Contents:* Lists members present, summary of remarks by Robert Bacher who said there should be a study of public opinion of atomic energy in order to "enlighten and guide such opinions". Shields Warren mentioned book he, Stafford Warren and A.W. Oughterson were publishing on bio effects of Hiroshima and Nagasaki. Next reports on support of research projects;grants made to training centers; grants under sonsideration; civil defense planning; construction of building at UCLA for nuclear research in bio and med.; the Atomic Casualty Commission; the Los Alamos Medical Program. Exec. Session included reports on RW, a letter from Dr. Stone re experimental therapy; and administrative issues

**DOE-082294-B-16** Correspondence; 1 document, 5 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 70972. *Date:* 09/17/48 *From:* Fred Schlemmer. *To:* R.C. Muir, GM Hanford Directed Ops. *Re:* Proposed Technical Ctr. at Hanford. *Contents:* Recognition of need for "works" lab at Hanford but size questiond. Reques t for more detailed study. Suggests limitations *To:*technical assistance, process improvement and cost reduction studies, hazard control, studies to insure against contamination of area surrounding Hanford, studies on Hanford legal position, other studies not readily done at other national labs. Question justification of work on: bio tolerances in humans, determination of measures to counter damage. Also suggests some scale backs due to similar studies being done at other sites.

**DOE-082294-B-17** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709073. *Date:* 09/14/48 *From:* Henry Blair, DIr., Atomic Energy Proj. *To:* Shields Warren. *Re:* New staff. *Contents:* Gives the turnover, who replaced whom, backgrounds, etc. at Univ of Rochester incl. the arrival of Stafford Warren, Fred Bryan, J. Newell Stannard, and others

**DOE-082294-B-18** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709074. *Date:* 10/05/48 *From:* Shields Warren. *To:* Franklin McLean. *Re:* Program of Chicago Tox Labs. *Contents:* SW suggests Chic. Tox Labs study toxicity of radioactive zirconium, tantalum, columbium, lanthanum after inhalation, after absorption into bloodstream, and by ingestion. Other aspects include external radiation (x, gamma, or beta), effects of internal radiation, contamination of food and water, contamination of wounds by radioactive materials, instrumentation for military medical use, treatment of radiation sickness, acceptable doses as military risk, and psych. effects.

**DOE-082294-B-19** 1 document, 2 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709075. *Date:* 09/10/48 *From:* N/A. *To:* N/A. *Re:* Plan for RW Study Group. *Contents:* Draft of plan for Div of Bio and Medicine to be assigned the RW study group which will work with Chic. Tox Lab. Also includes general duties and structure of study group.

**DOE-082294-B-20** Meetings; 1 document, 13 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709076. *Date:* 02/12/49 *From:* N/A. *To:* N/A. *Re:* Minutes--ACBM Mtg.--2/12/49. *Contents:* Members present, report on research projects and proposals, status of AEC project at Rochester under Hempelmann, report on status of particle problems at Hanford and Oak Ridge, plans for Eniwetok experiments and a call for suggestions for projects which could not be carried out at other facilities, Civil Defense planning, status of the RW program, a report by the Atomic Bomb Casualty Commission, a mention of a Radiation Catatract Survey conducted of workers at plants with cyclotrons.

**DOE-082294-B-21** Correspondence; 1 document, 7 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709079. *Date:* 12/03/48 *From:* Carroll Wilson. *To:* Commissioners and Division Heads. *Re:* Agenda for 12/10/48 ACBM mtg. *Contents:* Run-down on agenda, report on proposals, recommendation that a medical records study of Manhattan District employees not be carried out due to variable quality of the records, etc.; a recommnedation for approval of releasing medical information be provided to a terminated employee or next employer if the worker has been exposed and will be working with radioactive materials again.

**DOE-082294-B-22** Correspondence; 1 document, 1 page. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709083. *Date:* 08/06/48 *From:* Frank McLean. *To:* Carroll Tyler. *Re:* Med and Bio Activities at Los Alamos. *Contents:* Division of labor at UC

**DOE-082294-B-23** Correspondence; 1 document, 7 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709082. *Date:* 08/27/48 *From:* Wright Langham. *To:* Theodore Jensen. *Re:* Hopsital and Bio-Medical Buiding Plan. *Contents:* Discusses need for building med facilities at Los Alamos. Justifications incl: specificity of problems arising at Los Alamos, need for concentrated resaearch in acute radiation effects, cancer treatment research, and legal protection in case of future lawsuits stemming from leukemia and other malignancies. Also includes proposed floor plans.

**DOE-082294-B-24** Correspondence; 1 document, 1 page. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709081. *Date:* 09/17/48 *From:* Shields Warren. *To:* James McCormack. *Re:* Los Alamos Med Ctr. *Contents:* Warren describes problems of setting up med facility at Los Alalmos 1)needs

more integration, 2) inadequacy of hospital in present condition. Also some of justification made by Langham cannot be carried out at Los Alamos.

**DOE-082294-B-25** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709080. *Date:* 12/21/48 *From:* Alan Gregg. *To:* Carroll Wilson. *Re:* Bio and Med program at Los Alamos--update 12/21/48. *Contents:* Updating Wilson on discussins re establishing program at Los Alamos. Feels more discussion needed, as well as possible training program to increase number of qualified physicians. Other updates included as well on ONR contracts, civil defense planning and knowledge lag on biological effects of radiation

**DOE-082294-B-26** Meetings; 1 document, 16 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709090. *Date:* 11/08/57 *From:* N/A. *To:* N/A. *Re:* Minutes--ACBM Meeting--11/8-9/57. *Contents:* Lists those attending. Presentation of reports including Paul Harper on "Extensions of implant therapy using short lived isotopes". Inspection and discussion of linear accelerator, 2 Mev Van Der Graff, and Cobalt 60 teletherapy equip. Dunham said request had been made for special series of tests to be done in 1960 to be designed specifically for biomedical tests including simulation of Nagasaki and Hiroshima shots. New regulations reported on releasing info on exposure to employees. Dunham reported three incidents at Oak Ridge. Environmental contamination from normal reactor operations discussed. Little detail provided. Recommendations made on subject of transportation and storage of hazmats: standards are OK in light of current info, but mre study needed; planned education program should be started ASAP; balance needs to be struck between weapons training and air defense readiness and potential health risks from accidental detonation.

**DOE-082294-B-27** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709092. *Date:* 12/23/57 *From:* Lewis Strauss. *To:* Simeon Cantril. *Re:* Letter re ACRH, Windscale, etc. *Contents:* Update on linear accelerator hold-ups. Second team going to England for inspection of Windscale suroundings. Drs. Beard (DBM), John Harley (NYOO) and KZ Morgan of Oak Ridge to look at off-site health problems and emergency measures taken. Also touches on educational efforts re problems at universities.

**DOE-082294-B-28** Meetings; 1 document, 17 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709104. *Date:* 09/13/57 *From:* N/A. *To:* N/A. *Re:* Minutes--ACBM Mtg--9/13-14/57. *Contents:* Attendee lists. Update on Rogelap natives 2 months after return "health and morale..appear to be good". Further studies to be done. Report on effects of radiation on microorganisms in tissue samples. Also discussion by Cliff Harding on work being done on organ systems. Mentions GI tract studies done at Brookhaven and UCLA. Also bone irradiation studies: Leonidas Marinelli reports 4500 patients given thorotrast and that 10,000-15,000 "had maximum permissible concentrations of thorium and torium decay products. Paul Henshaw discussed performance and life shortening, mentioning 3 large contracts totaling 173,000, 5 others dealing with aging. Bruner discussed combatting radiation damage, experiments in mice, rats, monkeys and dogs, and possible applicability to man. Analysis of fallout samples in bone and milk samples being done, incl human milk samples. Ongoing studies in genetics, trying to get more data from studies done at Manhattan Engineering. Sterling Emerson suggests more emphasis on marriage studies, effects on children whose parents had received known doses,. Wanted more fundamental genetics studies and a study to detemine mutation rate in animals other than mouse. Research in planning stages included influence of acute doses of radiation on ablitity of Armed Forces to carry out jobs. Type of reactor (dev. by Convair) would emit large pulse of radiation, sim. to nuke blast, and could also help determine amt of time they could stay there

**DOE-082294-B-29** Correspondence; 1 document, 1 page. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709108. *Date:* 07/31/57 *From:* Paul Henshaw. *To:* Charles Dunham. *Re:* Dosimetry Problems. *Contents:* Limited values of dosimetry readings because of wide ranging readings. Uniformity needed in reading tissue doses. Thought might best be handled thru Radiation Instruments Branch.

**DOE-082294-B-30** Meetings; 1 document, 10 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709114. *Date:* 05/10/57 *From:* N/A. *To:* N/A. *Re:* Minutes--ACBM mtg.--5/10-11/57. *Contents:* List of attendees. One point detonation discussed. Plutonium -alpha contamination research being done. 50 monitors trained, plans for their MO would be made. Offsite criteria--Dunning estimated 100,000 would receive 3r dose over 30 yars, 1,000,000 a 0.5r dose over 30 yrs.; hot spots could receive moe than twice those amounts. Warren said ACBM should be able to appraise testing plans from a hazard standpoint as soon as was practical. Public reaction to increasing test rates discussed. Sunshine Project updateon strontium and cesium discrimination and retention, and soil chemistry. Committee members looking at industrial medical problems of mercury, lithium, and beryllium included: Hariet Hardy, James Scott, William Harris, Sterner, Kehoe, Ely, Albert

**DOE-082294-B-31** Reports; 1 document, 24 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709116. *Date:* *From:* N/A. *To:* N/A. *Re:* Research reports--date

unknown. *Contents:* Agenda for reports on experiments, including titles and authors. Abstracts also included. Topics include:"Effect of X-Rays on Spermatogenesis,"; "Radiation Dose to Lungs from Radon and Thoron,"; "Fate of Radium and Its Daughter Products in Living Organisms,"; "Pathology, Radon Inhalation Effects,"; "Calcium Metabolism in the Human,"; all experiments seem to have been performed on animals--mice, rats, dogs.

**DOE-082294-B-32** Meetings; 1 document, 24 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709119. *Date:* 03/15/57 *From:* N/A. *To:* N/A. *Re:* Minutes--ACBM mtg.--3/15/57. *Contents:* Update on DBM activities. Discussion on Neuberger Bill which would affect AEC-HEW relations. Agreed that duplication efforts would not be helpful and that appropriations cut would take many studies off-line. Review of research programs underway incl: effort to obtain children's skeletons for analysis. Warren expressed need to expand body of data on humans. Discussion on need for better contact between AEC and AFL-CIO. Report on long-range ecology report on Rongelap. Discussion over proposed article by John Gentry on link between congenital birth defects and terrestrial radiation. Consensus of concern over uproar such an article might have. Measurements taken after meeting at selected sites showed no higher than background levels; believe link not sufficiently established. Discussion on offsite radiation criteria. Seem to have settled on 3.9 r. Concern expressed by Warren on holding up testing based on fears of possible weapons accident. Problems of air sampling discussed especially in relation to Sr-90. Discussion on ability of committee members to express private views in public while being members of committee. Also talk on world opinion vis-a-vis the number of tests in a given series. Questions raised about why are so many needed.

**DOE-082294-B-33** Meetings; 1 document, 12 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709123. *Date:* 01/19/57 *From:* ACBM. *To:* N/A. *Re:* ACBM--Minutes--1/16-19/57. *Contents:* Attendees list. First session deals with problem related to Sr-90 fallout question as to the the hazards of SR-90 fallout and how that info is to be relayed to the public. Decide on the importance of presenting non contradictory messages among scientists, but that the "need for a statement of educational rather than propaganda type exists". Questions of tolerance levels raised. Asked whether a danger existed, H. bentley Glass responded there might be but not enough known. Session on 1/19 discusses, among other things upcoming tests including aerial monitoring of fallout using three planes, and employing use of badges on typical individuals using est. criteria for exposure doses (3.9r/yr., or cum of 10r in 10 yrs.). Also discuss the return of the Rongelapese

**DOE-082294-B-34** Reports; 1 document, 8 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709125. *Date:* 01/17/57 *From:* ACBM. *To:* N/A. *Re:* Discussion of research programs. *Contents:* Lists titles and authors of research programs being conducted. Includes: "Proof for Oxidation of Uric Acid in Human Body Using C14 Uric Acid"; "Study of Early Circulatory Changes Induced by Burns"; "Evidence of Lack of Uptake of Fallout I131 in Human Thyroids and Problem of Fallout";

**DOE-082294-B-35** Meetings; 1 document, 5 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709127. *Date:* 11/26/56 *From:* ACBM. *To:* N/A. *Re:* Minutes--ACBM mtg.--11/26/56. *Contents:* Estimates of Sr-90 body burden set at 2.5-25 micro-micro curies/g. of calcium over lifetime.

**DOE-082294-B-36** Meetings; 1 document, 17 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709128. *Date:* 11/17/56 *From:* ACBM. *To:* N/A. *Re:* Minutes--ACBM mtg.--11/16-17/56. *Contents:* Notice that Dunham distributed two reports on surveys done on Marshall Islanders after Castle series. Also discussed Sr fallout and cooperation w/ AFSWP and Sandia on PI problem. Discussio on pulling together data on internal radiation exposure of radium, the second UN Scientific Cmte on the Effects of Atomic Radiation and the return of the Rongelapese closing with a draft statement proposing that they be returned to the atoll and that if they had to re-evacuate due to testing it would send a negative message on weapons testing. Dunning passes out staff paper 141-33 on NTS fallout figures. Cmte sets out criteria for safety at 3.9 r /yr or 10 r over 10 yrs. Update on Project Sunshine incl. how max permissible doses of Sr-90 were arrived at.

**DOE-082294-B-37** Correspondence; 1 document, 1 page. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709133. *Date:* 12/17/56 *From:* Charles Dunham. *To:* A. Tammaro. *Re:* Recommend to ACBM; setting guides not limits. *Contents:* Dunham runs counter to ACBM recommendation that permissible levels be used as guides not limits on basis that a test organization might stretch the limits.

**DOE-082294-B-38** Meetings; 1 document, 30 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709139-41. *Date:* 09/22/56 *From:* ACBM. *To:* N/A. *Re:* ACBM--Minutes--9/21-22/56. *Contents:* Activities review including: report on transport and storage of atomic weapons; prep for conf on short term fallout hazards; Rongelap; prep for Operation Redwing fallout series; status of Operation Sunshine. Discussion of DBM program evaluation procedures. Discussion also that DBM programs be classified and recorded on McBee Keysort cards and later if needed, IBM punch cards. Report by Sterling Emerson on

First Human Genetics Conference and Fourth Instruments Conference. Discussion on money going to training programs including medical schools, training at AEC labs, training for high school teachers, etc. Discussion of offsite criteria for NTS, Idaho, and the administration of maximum permissible dose. Involved in 1957 Civil Defense Tests were radiation dosimetry for human exposures to gather info fallout, countermeasures, etc.

**DOE-082294-B-39** Experiment Records; 7 documents, 666 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709158-709164. *Date:* 09/01/44 - 05/01/46 *From:* unknown. *To:* N/A. *Re:* medical notebooks. *Contents:* Specimen sample results originating at Univ of Rochester, ending up at Los Alamos. Some patients named, most identified by number.

**DOE-082294-B-40** Correspondence; 6 documents, 5 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709165-709174. *Date:* 07/01/57 - 02/07/58 *From:* Henry Blair, Wright Langham, Robley Evans. *To:* Robley Evans. *Re:* X-Radiation in dogs. *Contents:* Blair expresses uneasiness over construction of the Davis experiments in dogs and urges Evans to look at Rochester program and others for suggestions on modifications. Discussion continues tying to determine the best way to utilize resources and find the best way to project results of Sr-90 irradiation of animals on to humans. Argument over percentage of body weight of skeletons and amts of calcium in beagles.

**DOE-082294-B-41** Correspondence; 6 documents, 42 pages; Reports. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709175. *Date:* 11/08/73 *From:* RJ Hart. *To:* Martin Biles. *Re:* Investigation at ORAU I 131Misadministration, 9/14/73. *Contents:* Memos and draft report regarding an incident at Oak Ridge in which two patients were given 10 times the specified dosage of I 131. Conclusion that patients did not receive large enouigh dosage to harm them. Procedural modifications made to prevent another accident of that kind.

**DOE-082294-B-42** Reports; 17 documents, 27 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709177. *Date:* 03/24/70 *From:* G. Wilson Horde, Union Carbide. *To:* AEC Chief Counsel office. *Re:* Pierce and Loftis v. Aetna Casualty and Union Carbide. *Contents:* Regards workmens comp case in which plaintiffs charged that working in K 25 plant caused leukemia. Court found for defendents based on lack of causal relationship.

**DOE-082294-B-43** Publications; 1 document, 22 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709178. *Date:* 11/23/60 *From:* Gould Andrews, et al. *To:* N/A. *Re:* "Criticality Accident at the Y-12 Plant". *Contents:* Summary of accident, dosimetry and clinical info on patients involved in the Y-12 accident 16 June 1958.

**DOE-082294-B-44** Reports; 1 document, 6 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709179. *Date:* 03/01/62 *From:* MA Bender. *To:* N/A. *Re:* Investigation of blood samples of Y-12 acicdent victims, 1961. *Contents:* Notes decline in some aberrations but continuance of others. Includes charts

**DOE-082294-B-45** Reports; 1 document, 86 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709180. *Date:* 04/01/59 *From:* Marshall Brucer. *To:* N/A. *Re:* "Acute Radiation Syndrome:Medical report on the Y-12 Accident". *Contents:* Report includes clinical report, hematologic effects, biochem studies, urine analysis, serum protein studies, linear scans, recommneded therapy, suggested order of procedure for physicians after a nuclear accident, and symptoms.

**DOE-082294-B-46** Financial Records; 13 documents, 34 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709181. *Date:* 01/31/50 *From:* RG Humphries. *To:* N/A. *Re:* Research contract AT- (40-1)-233 w/Tulane:Cl36 in heart patients. *Contents:* Contracts, supplemental agreements, and modifications re. study involving Cl36 in patients w/ congestive heart patients and control. Original for 3600. Renewal in 1952 for 9180

**DOE-082294-B-47** Reports; 15 documents, 48 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709182. *Date:* 02/05/54 *From:* George Burch. *To:* N/A. *Re:* Reports and correspondence re Burch's experiments. *Contents:* Final report, original proposal, and correspondence re Burch's experiments utilizing radiochlorides in human patients. Study ran from 2/50-2/54 . Total expenditures: $28,910.

**DOE-082294-B-48** Financial Records; 6 documents, 29 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709192. *Date:* 06/05/59 *From:* Herman Roth. *To:* N/A. *Re:* Supplemental agreements re UT thyroid experiments. *Contents:* Supplemental agreements running from 1957-59 involving use of I 131 on thyroid

**DOE-082294-B-49** Financial Records; 12 documents, 44 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709191. *Date:* 10/29/58 *From:* Herman Roth. *To:* N/A. *Re:* Contracts for U of AR. *Contents:* Supplemental agreements re Arkansas' studies of teletherapy using

radioisotopes, specifically Cobalt-60 ranging from 1954 to 1958, Study looked at among other ailments, the effects on cervical cancer.

**DOE-082294-B-50** Financial Records; 12 documents, 45 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709194. *Date:* 05/26/61 *From:* Herman Roth, Lee Beard(?). *To:* N/A. *Re:* contracts with Univ of TX. *Contents:* Supplemental agreements from 1957-61 re UT's studies on effets of radiation on biochem systems, cell structure, sperm mutations, etc.

**DOE-082294-B-51** Financial Records; 7 documents, 24 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709195. *Date:* 06/06/58 *From:* Herman Roth, Frederick Lengemann. *To:* N/A. *Re:* Supplemental agreements w/ U TN. *Contents:* Supplemental agreements re U TN's studies of Ca and Sr uptakes in bone cultures from 1957 thru 1959.

**DOE-082294-B-52** Financial Records; 8 documents, 45 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709196. *Date:* 12/11/61 *From:* Herman Roth, Ewell Bessent. *To:* N/A. *Re:* Supplemental agreements w/ Emory Univ. *Contents:* Supp. agreements w/Emory for studies on liver including B-12 tagged w/ Cobalt-60

**DOE-082294-B-53** Financial Records; 4 documents, 17 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709200. *Date:* 03/16/60 *From:* Herman Roth, Ewell Bessent. *To:* N/A. *Re:* Research contract w/ Emory on S-35 . *Contents:* Contract w/ Emory on checking patients w/ heptocellular injury w/S-35 tracer

**DOE-082294-B-54** Financial Records; 12 documents, 78 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709199. *Date:* 04/22/63 *From:* Richard Martin. *To:* N/A. *Re:* Supp. Agreement w/ U of AR. *Contents:* Research involves survey of isotope burden of children , adults, pregnant women (pre and post natal), studyof I 131 levels, Ca turnover using Ca-47.

**DOE-082294-B-55** Financial Records; 4 documents, 16 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709193. *Date:* 04/16/57 *From:* Herman Roth, A Hollis Edens. *To:* N/A. *Re:* Supp contracts w/Duke on brain tumors. *Contents:* Supp agreements with Duke on unspecified radioisotopes used on brain tumors

**DOE-082294-B-56** Correspondence; 2 documents, 4 pages.; Reports. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709264. *Date:* 12/06/85 *From:* WJ Blair. *To:* PK Clark. *Re:* Hanford human subjects history. *Contents:* Letter enclosing Hanford info. on human subjects from 1951 tritium experiments through prison studies which ended in 1970. Contract numbers given as W-31-109-Eng-52 and AT (45-1)-1830.

**DOE-082294-B-57** Correspondence; 1 document, 1 page. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709267. *Date:* *From:* Paul Santilli. *To:* N/A. *Re:* Rules for getting approval (human subjects?). *Contents:* Handwritten note on steps to gaining approval for use of human subjects, including fed and state laws including that subj. "is copetent adult, commits knowingly and voluntarily after full explanation". Date unknown

**DOE-082294-B-58** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709278. *Date:* 11/26/63 *From:* CE Newton, Mgr, Composite Dose Studies. *To:* AR Keene, Mgr, Radiation protection. *Re:* Special projects. *Contents:* On voluntary and planned exposures: legal counsel looking at question of whether proposals would violate state laws. Also takes up question of terminating employees who have been on restriction due to exposure. Problems with recording dosimetry data

**DOE-082294-B-59** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709292. *Date:* 05/26/70 *From:* WJ Bair. *To:* EL Alpen, SJ Farmer. *Re:* Study of Effects of Laser Irradiation of Skin. *Contents:* Curiosity over how Battelle Columbus was able to use human subjects when Battelle NW could not and thus beat them out of an Air Force contract.

**DOE-082294-B-60** Experiment Records; 3 documents, 172 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709323-709325. *Date:* 08/28/67 *From:* KL Swinth. *To:* N/A. *Re:* Spermatogenesis project. *Contents:* Notebooks on prisoner study of spermatogenesis at BNW

**DOE-082294-B-61** Reports; 1 document, 27 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709327. *Date:* 10/01/67 *From:* KL Swinth, LA Braby, Instrumentation Section, Radiological Studies Section. *To:* N/A. *Re:* Fast-Neutron Medical Research Facility Dosimetry. *Contents:* Describes and summarizes measurments made during prisoner study as well as brief description of methods used.

**DOE-082294-B-62** Reports; 1 document, 4 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709328. *Date:* 01/01/64 *From:* unknown. *To:* N/A. *Re:* Effects of neutron irradiation on spermatogenesis in man. *Contents:* Summary of study prior to its commencement, including how it came about, the purchase of the neutron generator, medical-legal arrangements (prisoners had to receive

vasectomy after study, no mention of consent forms), and questions regarding the legal/PR implication of such a program along with restrictions

**DOE-082294-B-63** Reports; 3 documents, 7 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709333-709335. *Date:* 04/10/67 *From:* KL Swinth. *To:* WE Wilson. *Re:* Fast Neutron Medical Research--Dosimetry for 2.5 MeV. *Contents:* Summary and review for dosimetry

**DOE-082294-B-64** Correspondence; 1 document, 1 page. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709336. *Date:* 08/24/67 *From:* KL Swinth. *To:* WE Wilson. *Re:* Status of U of Washington Spermatogenesis Project. *Contents:* Suggests further data needed, conclude dosimetry report, etc.

**DOE-082294-B-65** Experiment Records; 2 documents, 2 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709337. *Date:* 01/01/66 *From:* N/A. *To:* N/A. *Re:* Irradiation on testis consent forms. *Contents:* Consent and release forms for irradiation tests including exact phrasing of effects of vasectomy after tests were done

**DOE-082294-B-66** Reports; 1 document, 15 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709354. *Date:* *From:* N/A. *To:* N/A. *Re:* Design and Use of X-Ray Apparatus for Uniform Radiation of Human Testes. *Contents:* Includes rationale for design and construction, calibration procedure, and instructions

**DOE-082294-B-67** Reports; 3 documents, 14 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709356. *Date:* 06/01/65 *From:* CA Paulsen, Assoc Prof of Med., UW. *To:* N/A. *Re:* Renewal request for spematological study. *Contents:* Background of study, procedures; CVs; progress report dated 2/22/65

**DOE-082294-B-68** Reports; 11 documents, 29 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709357-709367. *Date:* 03/21/79 *From:* AE Desrosiers. *To:* HM Parker, Ch, Human Sub Cmte., Batelle. *Re:* Proposal to study Th 230 in U Mill Workers. *Contents:* The proposal and, consent form and member review of proposal to check rates between excretion rates of Th 230 and U 238.

**DOE-082294-B-69** Correspondence; 4 documents, 4 pages. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709368. *Date:* 06/22/81 *From:* HM Parker. *To:* Dept. Human Subj. Cmte, Batelle. *Re:* Translocation of Yellowcake from Respiratory Tract. *Contents:* Consideration of yellowcake study which would use urine specimens and in vivo measurements of mill workers exposed to airborne yellowcake. Includes sample consent form

**DOE-082294-B-70** Correspondence; 1 document, 4 pages. *Source:* Department of Energy. *Date:* 05/12/66 *From:* William Hutchison, Pacific NW Research Fdtn. *To:* John Mc Dougall, NIH. *Re:* Est review of PHS funded research. letter lays out new review panel

**DOE-082294-B-71** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 07/16/69 *From:* George Farwell. *To:* John Totter. *Re:* Status of Paulsen study. letter re disapproval of continuation of Paulsen study

**DOE-082294-B-72** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 07/01/50 *From:* Wright Langham. *To:* Stafford Warren. *Re:* Request for Approval for Pu Report. Langham letter asks Warren to sign off

**DOE-082294-B-73** Correspondence; 1 document, 1 page. *Source:* Department of Energy (CIC Doc. Nos. 702941-702990, 708679-709406, 709710-710294: LANL, B-9 drawer 34, CIC 709723. *Date:* 04/15/50 *From:* Wright Langham. *To:* Joe Howland. *Re:* Request for samples from Pu injectee(s). letter to Howland

**DOE-083094-B-1** Correspondence; 2 documents, 8 pages.; Reports. *Source:* Department of Energy. *Date:* 04/18/63 *From:* R. J. Brouns. *To:* N/A. *Re:* Results of a Test of Sampling in I-131 Plumes. *Contents:* This report was declassified with deletions, and only pages 7-10 (with cover pages) are available. The report describes the release of 8.3 curies of I-131 and monitoring at various ranges and altitudes.

**DOE-083094-B-2** Experiment Records; 3 documents, 23 pages.; Reports. *Source:* Department of Energy. *Date:* 07/19/63 *From:* Carl C. Gamertsfelder. *To:* N/A. *Re:* Plans and Hazards Analysis for the First Hanford I-131 Field Release Test. *Contents:* This report describes the experimental procedures for the first Hanford I-131 field release test. This included the release of 300 millicuries of iodine and monitoring of environmental transport, deposition, and biological uptake in animals and two human volunteers.

**DOE-090694-A-1** Meetings; 1 document, 4 pages. *Source:* Department of Energy (RG 326 AEC Minutes: 26, 1. *Date:* 07/15/47 *From:* G. Lyle Belsley. *To:* N/A. *Re:* AEC Minutes of Meeting No. 77. *Contents:* consideration of operation of Clinton/Oak Ridge Laboratory by the University of Chicago or other possible alternatives

**DOE-090694-A-2** Meetings; 1 document, 2 pages. *Source:* Department of Energy (RG 326 AEC Minutes: 26, 1. *Date:* 07/05/49 *From:* Roy B. Snapp. *To:* N/A. *Re:* AEC Meeting No. 287. *Contents:* description of the organization of the Office of the General Counsel

## *Appendix E*

**DOE-090694-A-3** Meetings; 1 document, 5 pages. *Source:* Department of Energy (RG 326 AEC Minutes: 26, 1. *Date:* 12/08/49 *From:* T.O. Jones. *To:* N/A. *Re:* AEC Meeting No. 343. *Contents:* Commission approval of AEC 228/1 (Clearance of Personnel Engaged in Unclassified Research Contracts) and consideration of RW program

**DOE-090694-A-4** Meetings; 1 document, 6 pages. *Source:* Department of Energy (RG 326 AEC Minutes: 26, 10 . *Date:* 08/22/51 *From:* Roy B. Snapp. *To:* N/A. *Re:* AEC Meeting No. 594. *Contents:* Shields Warren suggested that a permanent screening committee under the authority of the Test Director be established as part of future weapons tests. A possible precursor to the biomedical test planning and screening committee.

**DOE-090694-A-5** Financial Records; 1 document, 3 pages. *Source:* Department of Energy (RG 326 AEC Minutes: 26, 10. *Date:* 09/04/51 *From:* Harold D. Anamosa. *To:* N/A. *Re:* AEC Notes on Budget Review. *Contents:* FY 1953 Budget Estimates.

**DOE-090694-A-6** Meetings; 5 documents, 11 pages. *Source:* Department of Energy (RG 326: 26, 10. *Date:* 10/16/51 *From:* Roy B. Snapp. *To:* N/A. *Re:* AEC Meeting Nos. 615, 677, 678, and 679. *Contents:* disucssion of troop participation in Opeations Buster-Jangle and Tumbler-Snappler including the issue of not adhering to the AEC-established radiation safety standards

**DOE-090694-A-7** Meetings; 1 document, 4 pages. *Source:* Department of Energy (RG 326 AEC Minutes: 26, 10. *Date:* 09/11/52 *From:* Roy B. Snapp. *To:* N/A. *Re:* AEC Meeting No. 746. *Contents:* Discussion of Operation Upshot-Knothole and the need to prohibit the return of the Marshallese to Bikini because of this weapons series.

**DOE-090694-A-8** Meetings; 1 document, 4 pages. *Source:* Department of Energy (RG 326 AEC Minutes: 26, 10. *Date:* 12/23/52 *From:* Roy B. Snapp. *To:* N/A. *Re:* AEC Meeting No. 794. *Contents:* Plans for troop participation in Upshot-Knothole would entail that the "usual limits of physical exposure to weapons effects would probably be exceeded." Responsibility for troop safety therefore was delegated to DOD.

**DOE-090694-A-9** Meetings; 1 document, 5 pages. *Source:* Department of Energy (RG 326 AEC Minutes: 26, 10. *Date:* 05/12/53 *From:* Roy B. Snapp. *To:* N/A. *Re:* AEC Meeting No. 861. *Contents:* Status of NEPA program including cutbacks made at Oak Ridge

**DOE-091994-B-1** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 06/18/56 *From:* Shipman, Thomas L. *To:* Dunham, Charles L. *Re:* The Experimental Use of Human Volunteer Subjects.

**DOE-091994-B-2** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 07/05/56 *From:* Dunham, Charles L. *To:* Shipman, Thomas H. *Re:* Human Experimentation in the interim since 1951re. tracer doses.

**DOE-091994-B-3** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 07/12/56 *From:* T. L. Shipman. *To:* Distribution. *Re:* Administration of Tracer Dose to Humans.

**DOE-091994-B-4** Reports; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 09/03/63 *From:* T. L. Shipman. *To:* Distribution. *Re:* Administration Of Tracer Doses to Humans for Experimental Purposes.

**DOE-092694-A-1** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (RG 326 - Division of Biology and Medicine: 3372, 3. *Date:* 12/03/58 *From:* L. K. Olson. *To:* Paul F. Foster. *Re:* Authority of the AEC to require licensees to provide medical care. *Contents:* General Counsel advises deputy general manager taht AEC was not required to provide medical care. Questions to be settled through state law and workman's compensation.

**DOE-092694-A-2** Reports; 1 document, 4 pages. *Source:* Department of Energy (RG 326 - Division of Biology and Medicine: 3368, 7. *Date:* *From:* Atomic Energy Commission. *To:* N/A. *Re:* Instructions for preparation of "Application for Byproduct Material License" Form AEC-313 and Supplements A and B. *Contents:* Undated instruction form includes supplement A which provides guidnce for "human use" Such use includes "common medical uses" and "experimental programs on new and unusual uses."

**DOE-092694-A-3** Reports; 1 document, 18 pages. *Source:* Department of Energy (RG 326 - Division of Biology and Medicine: 3368, 8. *Date:* 03/14/55 *From:* U.S. Senate Subcommittee on Reorganization of the Committee on Government Operations. *To:* N/A. *Re:* Joint Resolution to Establish a Commission on Government Security, Satement of Dr. George V. LeRoy . *Contents:* testimony of Dr. LeRoy, Assoc. Prof of Medicine and Assoc. Dean of the Division of Biological Sciences, Univ. of Chicago on the "impact of current security mechanisms on the medical and biological services. Argument against secrecy and classification of fallout and associated information.

**DOE-092694-B-1** Reports; 3 documents, 19 pages. *Source:* Department of Energy. *Date:* 01/30/48 *From:* Roy B. Snapp. *To:* N/A. *Re:* Application of Radioactive Materials for Military Use. *Contents:* These reports record decisions by the AEC Secretariat, Division of Biology and Medicine, and Division of Military Applications, General Advisory Committee, and Advisory Committee on Biology and Medicine, to establish a panel -- the Noyes Panel -- to survey possibilities for radiological weapons. They also record disagreements between General Groves of the Armed Forces Special Weapons Project and Shields Warren of DBM over responsibility for research and development of radiological weapons.

## *Sources and Documentation*

**DOE-092694-B-2** Correspondence; 2 documents, 3 pages. *Source:* Department of Energy. *Date:* 04/19/48 *From:* David E. Lilienthal. *To:* D. F. Carpenter, Chairman, Military Liaison Committee. *Re:* [Establishes membership of the joint panel on radiological warfare]. *Contents:* Establishes membership of the joint panel on radiological warfare, later known as the Noyes Panel. Also includes reply from Carpenter to Lilienthal.

**DOE-092694-B-3** Reports; 1 document, 9 pages. *Source:* Department of Energy. *Date:* 12/26/50 *From:* Philip J. Farley. *To:* N/A. *Re:* Sixth Meeting of the RW Panel. *Contents:* This report concludes that radiological warfare agents would have some military utility, but that a RW program would compete for resources with nuclear weapons programs. It recommends consideration of RW agents other than tantalum-182.

**DOE-092694-B-4** Reports; 2 documents, 26 pages. *Source:* Department of Energy. *Date:* 03/28/51 *From:* Roy B. Snapp. *To:* N/A. *Re:* Consideration of Report of the Sixth Meeting of the RW Panel. *Contents:* The report reviews the history of the RW Panel. The first meeting, on 5/23/48, proposed a summer work program. The second meeting, on 8/29/48, produced a report (TID-204 or AEC 28/6, dated 8/29/48) recommending future roles for the AEC and DoD, which was approved by both. The third meeting, on 1/10/49, produced a status report (TID-202 or AEC 28/13, 1/10/49). The fourth meeting, on 5/10/49, produced a series of conclusions and recommendations, contained in RW Program Status Report (TID-259 or AEC 28/26, 10/9/49; AEC 28/27, 12/16/49), but the panel did not disband. The fifth meeting, on 4/23/50, reached additional conclusions and recommendations (TID-361, 4/23/50) and called for a summer study group. The sixth and final meeting took place on 11/20/50, and produced a report (TID-397 or AEC 28/37, 12/26/50). The panel then disbanded, recommending a review a year later. This document concludes with AEC staff recommendations, including that "A statement covering the RW field in general terms should be prepared for release to the public." Appendices A and B contain the conclusions and recommendations of the Report of the Sixth Meeting (see ). One of these recommendations is for expedited separation of protactinium-233, "because of the almost certain non availability of tantalum for RW purposes (see Appendix 'B', TID-397)." Another calls for consideration RW production needs in the design of nuclear production facilities. The AEC Divisions of Production, Research, Reactor Development, and Biology and Medicine and Office of General Counsel concurred with the report recommendations. Appendix C is a 3/16/51 letter from Robert LeBaron, Chairman of the Military Liaison Committee to AEC Chairman Gordon Dean, requesting clarification of the AEC's response to the report. Appendix F is a draft response, which states that nuclear weapons will remain the main priority of nuclear production facilities, given "the absence of a production requirement for RW agents," and that producing large quantities of Ta-182 for RW "could seriously impair the Commission's ability to meet its obligations for production of fissionable material." Appendix G is a draft letter to the congressional Joint Committee on Atomic Energy, listing dates when reports of the Noyes panel were provided JCAE (2nd, 3/17/47; 4th, 12/21/49; 5th and 6th, 2/1/51). Also atached is a page from AEC minutes, in which the Federal Civil Defense Administration was recommended as the proper agency for public release of information on RW.

**DOE-092694-B-5** Correspondence; 1 document, 9 pages.; Reports; 1 document, 9 pages. *Source:* Department of Energy. *Date:* 10/14/47 *From:* David E. Lilienthal. *To:* Lt. Gen. L. H. Brereton. *Re:* An Estimation of the Feasibility of Radiological Warfare. *Contents:* The cover letter argues for the creation of a joint AEC-DoD committee on radiological warfare. The attached report is by Paul C Aebersold, William B. Hutchinson Jr., Karl Z. Morgan, and Merlin D. Peterson of Oak Ridge. It considers three possible RW agents: polonium-210 (an alpha emitter), strontium-90 (a beta emitter), and barium-140/lanthanum-140 (gamma emitters). It concludes that any of the agents could be effective RW agents and would be difficult to decontaminate, but that polonium would be particularly hazardous and difficult to detect.

**DOE-092694-B-6** Correspondence; 7 documents, 13 pages. *Source:* Department of Energy. *Date:* 04/16/47 *From:* Carroll L. Wilson. *To:* Brig. Gen. James McCormack Jr. *Re:* Radiological Warfare. *Contents:* The main document in this package is a memo from Lt. Col. W. S. Hutchinson Jr. to Brig. Gen. James McCormack Jr., arguing from the Atomic Energy Act that the AEC should undertake a study of the feasibility of radiological warfare in collaboration with the Special Weapons Project, and with input from other elements of the U.S. military and the Central Intelligence Group "regarding the capabilities of potential enemies to attack the United States with radiological weapons." Excerpts from the 57th AEC Meeting 5/27/47 indicate that the AEC accepted the proposal to conduct such a study, but that its existence be classified. A later memorandum and excerpts from the 110th AEC Meeting 10/14/47 indicate the selection by the Armed Forces of AFSWP as the military partner in the study and inviting AFSWP participation.

**DOE-093094-A-1** Correspondence; 5 documents, 10 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 4929, MR&A7, Tumbler Snapper Vol 1. *Date:* 01/16/52 *From:* N/A. *To:* N/A. *Re:* AFSWP memos on Tumbler. *Contents:* Memos re Tumbler-Snapper series, the whys and troop particiaption

**DOE-093094-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (RG 326, MR&A7: 4929). *Date:* 11/26/51 *From:* Herbert Loper, Chief, AFSWP. *To:* DMA Director. *Re:* Army Participation in Future Atomic Tests. *Contents:* Memo expressing need for Army participation in tests

## *Appendix E*

**DOE-093094-A-3** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (RG 326, Secretariat, 1951-58: 4929, MR&A 7 Tumbler, Vol 1. *Date:* 01/05/52 *From:* KE Fields, Dir. DMA. *To:* Brig Gen Herbert Loper, AFSWP. *Re:* Establishing maintenance camp at NTS. *Contents:* Letter re establishing camp near NTS

**DOE-093094-A-4** Reports; 1 document, 25 pages. *Source:* Department of Energy (RG 326, Secretariat, 1951-58: 4929, MR&A 7, Tumbler, Vol 1. *Date:* 03/10/52 *From:* DMA. *To:* N/A. *Re:* Tech Operation for Tumbler Snapper. *Contents:* Tech operation for T-S

**DOE-093094-A-5** Reports; 1 document, 17 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1263, MR&A 7 Tumbler Snapper, Vol 2. *Date:* 03/31/52 *From:* DMA. *To:* N/A. *Re:* Troop Participation in Tumbler-Snapper. *Contents:* Considering troop particiaption in the test series

**DOE-093094-A-6** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (RG 326, Secretariat, 1951-58: 1263, MR&A 7, Tumbler Snapper, Vol 2. *Date:* 04/03/52 *From:* Herbert Loper, AFSWP. *To:* Dir., DMA. *Re:* Amplification of plan for troop participation--Tumbler Snapper. *Contents:* Letter providing requested details for troop involvement

**DOE-093094-A-7** Reports; 1 document, 13 pages. *Source:* Department of Energy (RG 326, AEC Secretariat, 1951-58: 1263, MR&A 7 Tumbler Snapper, Vol 2. *Date:* 04/15/52 *From:* Dir., Div of Information Services. *To:* N/A. *Re:* Info Plan and Materials for Shot 3 Tumbler Snapper. *Contents:* considering how to handle press and other uncleared at test shot, includes itinerary

**DOE-093094-A-8** Correspondence; 1 document, 1 page. *Source:* Department of Energy (RG 326, AEC Secretariat 1951-58: 1263, MR&A 7 Tumbler Snapper, Vol 2. *Date:* 04/10/52 *From:* Gordon Dean, AEC. *To:* Gen Loper, AFSWP. *Re:* Review of troop participation in Tumbler Snapper. *Contents:* Letter confirming review of plans

**DOE-093094-A-9** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1263, MR&A 7 Tumbler Snapper, Vol 2. *Date:* 04/10/52 *From:* Gordon Dean, AEC. *To:* Gen. Herbert Loper, AFSWP. *Re:* Troop Participation--Tumbler Snapper. *Contents:* Agreement and confirmation of troop participation in the series

**DOE-093094-A-10** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (RG 326, AEC Secretariat 1951-58: 1263, MR&A 7 Vol 2. *Date:* 05/01/52 *From:* KE Fields, DMA. *To:* MW Boyer, Gen Mgr. *Re:* Approval of Additional Troop Participation in Tumbler Snapper. *Contents:* Approval of additional troops for Shot 8

**DOE-093094-A-11** Correspondence; 1 document, 16 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1263, MRA 7 Upshot Knothole Vol1. *Date:* 09/17/52 *From:* N/A. *To:* Edwin Speakman, Vice Chair, R&D Board. *Re:* Report of RDB Ad Hoc panel on Future Atomic Tests. *Contents:* Memos re Upshot Knothole including summary of tests, budgets and which branch was sponsoring which aspect.

**DOE-093094-A-12** Reports; 1 document, 3 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1263, MRA 7 Tumbler Snapper Vol 3. *Date:* 04/22/52 *From:* Lt. Col. Raymond Campbell. *To:* Col. George Schlatter, USAF. *Re:* Report on Desert Rock IV. *Contents:* Summary of test shot held 4/21/52

**DOE-093094-A-13** Reports; 1 document, 26 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1263, MRA 7 Upshot Knothole Vol1. *Date:* 12/22/52 *From:* DMA. *To:* AEC. *Re:* Troop Participation in Continental Tests. *Contents:* Provides outline for future troop participation in weapons tests per AEC request

**DOE-093094-A-14** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1263, MRA 7 . *Date:* 03/04/53 *From:* John Oakes, Gen Staff. *To:* Chair, MLC. *Re:* Positioning troops at Atomic Weapons Tests. *Contents:* Safety criteria prepared by DOD for weapons tests

**DOE-093094-A-15** Correspondence; 1 document, 5 pages.; Reports; 1 document, 5 pages. *Source:* Department of Energy (RG 326: 1420, RD 29: v. 3. *Date:* 01/13/65 *From:* Harold B. Finger, Manager, Space Nuclear Propulsion Office. *To:* Seaborg et al. (AEC and NASA). *Re:* KIWI-Transient Nuclear Test – Preliminary Results. *Contents:* Report on KIWI test which involved deliberate placement of KIWI-B type reactor on fast excursion which destroyed the reactor. Contains objectives of test (confirmation or correction of the techniques for predicting fission and KE yield; release, transport and effects of the effluent; and contamination and damage of facilities), and contamination measurements.

**DOE-093094-A-16** Reports; 1 document, 13 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1264, MRA 7-1 Proving Ground Vol 3. *Date:* 02/06/57 *From:* DBM. *To:* Gen Mgr, AEC. *Re:* Return of the Rongalapese to their Homes. *Contents:* Discussion on when and how to return Rongalapese

**DOE-093094-A-17** Correspondence; 2 documents, 5 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1264, MRA 7-1, Proving Grounds Vol 3. *Date:* 04/15/57 *From:* Morse Salisbury, Dir. Div. of Info Services. *To:* SBM, DMA, Secretariat, GC. *Re:* Proposed Interior Dept. Announcement on Return of Rongalapese. *Contents:* Draft of press relaese and letter to Carl Durham re Rongalapese

**DOE-093094-A-18** Correspondence; 1 document, 2 pages.; Reports. *Source:* Department of Energy (RG 326: 1420, RD 29: v. 3. *Date:* 01/14/65 *From:* E.J. Bloch. *To:* Chairman Seaborg. *Re:* Information on KIWI reactor test run at NRDS.

*Contents:* Additional info on KIWI reactor test on 1/12/65, including manned aircraft tracking of radioactivity up to 60 miles East of Los Angeles (over Riverside, CA), and info on USPHS environmental sampling along test trajectory.

**DOE-093094-A-19** Reports; 1 document, 12 pages. *Source:* Department of Energy (RG 326, Secretariat, 1951-58: 1264, MRA 7-i, Proving Grounds Vol 2. *Date:* 01/31/55 *From:* DBM. *To:* GM. *Re:* Radiological Safety Criteria and Procedures for Protecting Public During Weapons Testing. *Contents:* Summary of program adopted for procedures for those living near NTS

**DOE-093094-A-20** Reports; 1 document, 2 pages. *Source:* Department of Energy (RG 326: 17, I & P 4-4, 1968-70: Radio & TV. *Date:* *From:* N/A. *To:* N/A. *Re:* AEC decision attributing atomic vet's leukemia to radiation exposure. *Contents:* Appendix to unknown AEC document recording history of atomic vet's radiation exposure and decision to grant service connection for acute granulocytic leukemia.

**DOE-093094-A-21** Reports; 3 documents, 13 pages. *Source:* Department of Energy (RG 326, Secretariat, 1951-58: 1265, O&M 2 DBM. *Date:* 08/21/57 *From:* AEC. *To:* N/A. *Re:* DBM Organization Charts, 1952, 1956, 1957. *Contents:* Organizational charts with personnel and job descriptions

**DOE-093094-A-22** Reports; 3 documents, 20 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1267, D&M 2 DMA. *Date:* 08/01/57 *From:* DMA. *To:* N/A. *Re:* DMA Organizational Charts--1956-57. *Contents:* DMA Org Charts and job descriptions

**DOE-093094-A-23** Meetings; 1 document, 7 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1387, O&M 7 GAC Minutes. *Date:* 10/31/56 *From:* GAC. *To:* N/A. *Re:* Minutes--GAC--10/56. *Contents:* Report on Project Sunshine

**DOE-093094-A-24** Correspondence; 1 document, 4 pages.; Reports. *Source:* Department of Energy (RG 326: 7751, Radio & TV. *Date:* 09/03/69 *From:* A.R. Tamplin. *To:* Gail Bradshaw, Public Information Officer, DPI, HQ. *Re:* Tamplin Interview -- CBS-TV. *Contents:* Debriefing of Tamplin's interview for the CBS Walter Cronkite Evening News

**DOE-093094-A-25** Reports; 1 document, 5 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1275, O&M 8 DOD. *Date:* 10/16/51 *From:* Robert LeBaron, MLC. *To:* AEC. *Re:* DOD Status report on Atomic Energy Activities. *Contents:* Reports on tests, RDB, the ANP conference

**DOE-093094-A-26** Reports; 2 documents, 36 pages. *Source:* Department of Energy (RG 326, Secretariat 1951-58: 1276, M8 Policy Analysis-Staff reports. *Date:* 09/25/52 *From:* AEC. *To:* N/A. *Re:* Draft Memo for the President. *Contents:* Tackles several subjects ranging from weapons to energy use of nuclear fuel, to public vs. private operation of non-military uses, provides questions for AEC direction

**DOE-093094-A-27** Correspondence; 1 document, 4 pages.; Reports. *Source:* Department of Energy (RG 326: 3776, 43 - MR&A - 7, Hardtack Phase II (Fallout). *Date:* 12/22/58 *From:* C.L. Dunham, M.D., Director, Division of Biology and Medicine, AEC. *To:* Carl T. Durham, Chair, Joint Committee on Atomic Energy. *Re:* Hardtack II radioactive fallout incident in Los Angeles. *Contents:* Data for the Hardtack II fallout in Los Angeles "which caused some public attention," including concentrations of radioactivity in air and water, and external gamma radiation.

**DOE-093094-A-28** Reports; 1 document, 42 pages. *Source:* Department of Energy (RG 326, Secretariat, 1958-66: 1360, MH&S-66, Radiation Vol 1. *Date:* 08/04/58 *From:* DBM. *To:* GM. *Re:* Plan for Expansion of Commission Program of Research in Bio and Medicine. *Contents:* Report toconsider 5 year expansion fo bio and med research, also letters re the plan from JCAE, MLC, GAC, and explanation of plan and costs

**DOE-093094-A-29** Reports; 1 document, 5 pages. *Source:* Department of Energy (RG 326: 3, 471.6 (4/21/47), Sandstone V. 1. *Date:* 01/09/51 *From:* Gordon Dean. *To:* AEC. *Re:* Background statement before NSC on the approval of Ranger Program. *Contents:* Reasons for wanting a continental test site, information on number (five), size (one at 35,000 tons TNT equivalent), and timing of releases. Also contains information on the preparation for and size of the Marshall Island releases.

**DOE-093094-A-30** Reports; 1 document, 5 pages. *Source:* Department of Energy (RG 326, Secretariat 1958-66: 1360, MH&S-3 Radiation Vol 1. *Date:* 12/02/58 *From:* Charles Dunham, DBM. *To:* Paul Foster, GM. *Re:* Status of Review of Feasibility of Radioepidemiology Project. *Contents:* Status report on meeting held to develop program to study effect of environmental radiation

**DOE-093094-A-31** Reports; 1 document, 12 pages. *Source:* Department of Energy (RG 326: 1228, 471.6 Greenhouse, V. 1. *Date:* 11/25/49 *From:* Joint Proof Test Committee. *To:* Joint Chiefs of Staff. *Re:* Armed Forces Participation in 1951 Atomic Weapons Proof Testing. *Contents:* Enclosure "I", AEC-Armed Forces biomedical program descriptions and budget for 1950-51.

**DOE-093094-A-32** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (RG 326: 4928, MR&A 7 Castle Vol. 1. *Date:* 09/12/52 *From:* Gordon Dean, Chair, AEC. *To:* James P. Davis, Director, Office of Territories, Department of Interior. *Re:* Inhabitability of Bikini. *Contents:* Letter RE the retention of Bikini as an alternative test site.

**DOE-093094-A-33** Reports; 1 document, 4 pages. *Source:* Department of Energy (RG 326: 1360, MH&S 3 Radiation 7/1/58 vol. 1. *Date:* 04/15/59 *From:* C.L. Dunham, Director, Division of Biology and Medicine and Hal Hollister, Environmental Sciences Branch, Division of Biology and Medicine. *To:* AEC. *Re:* 1959 Fallout Hearings -- Status Report. *Contents:* List of persons requested to provide written statements for the hearings, as well as those requested to be present at the hearings.

**DOE-093094-A-34** Correspondence; 1 document, 6 pages. *Source:* Department of Energy (RG 326: 1360, MHS 3 Radiation, vol. 2. *Date:* 05/25/60 *From:* John C. Bugher, Acting Chair, ACBM. *To:* John A. McCone, Chair, AEC. *Re:* ACBM letter RE effects of fallout on US population. *Contents:* Letter summarizing DBM estimations of pre-1960 national fallout effects, including Sr90 levels in bone samples.

**DOE-101194-A-1** Reports; 1 document, 7 pages. *Source:* Department of Energy. *Date: From:* N/A. *To:* N/A. *Re:* History of Medical Program of Manhattan District. *Contents:* Foreward and Intro of history of the med div from inception to 7/1/45.

**DOE-101194-A-2** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 11/26/48 *From:* KD Nichols. *To:* Dep Dir Engineer, US Engineer Office, Oak Ridge. *Re:* Policy of Medical Advisors Office. *Contents:* Memo outlining Stafford Warren's duties

**DOE-101194-A-3** Publications; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 03/06/48 *From:* AEC. *To:* N/A. *Re:* Press Release--Assistance in Cancer Research. *Contents:* Release on four point program developed by AEC to expand cancer research.

**DOE-101194-A-4** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 07/03/46 *From:* Capt. Birchard Brundage. *To:* Col. James Lampert. *Re:* Teletype request from Sen. Clause Pepper. *Contents:* Relaying teletype asking for Stafford Warren's opinion of Sen. Bill 1875 proposing $100 million be spent on cancer research.

**DOE-101194-A-5** Reports; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 12/06/48 *From:* Isotopes Division. *To:* N/A. *Re:* Radioisotopes for Use in Medicine. *Contents:* Criteria for making isotopes available

**DOE-101194-A-6** Reports; 1 document, 11 pages. *Source:* Department of Energy. *Date:* 12/01/46 *From:* Alexander Hollaender. *To:* N/A. *Re:* Outlines of Research of Biology Division. *Contents:* Outline of work to be done by bio dept. at Monsanto controlled Clinton Labs.

**DOE-101194-A-7** Reports; 1 document, 9 pages. *Source:* Department of Energy. *Date:* 09/15/47 *From:* Alex Hollaender. *To:* N/A. *Re:* Clinton Labs Program--Bio Division. *Contents:* More specific outline of bio division, sections, and duties. Also personnel and space requirements projected over several years.

**DOE-101194-A-8** Reports; 1 document, 6 pages. *Source:* Department of Energy. *Date:* 11/27/47 *From:* N/A. *To:* N/A. *Re:* Mammalian Genetics Project--Revised. *Contents:* research program proposal

**DOE-101194-A-9** Reports; 1 document, 11 pages. *Source:* Department of Energy. *Date:* 01/03/46 *From:* Radioisotope Committee. *To:* Stafford Warren. *Re:* Proposals for National Distribution of Radioisotopes Produced at MED. *Contents:* Proposal for policy, organization, operation and personnel of distribution.

**DOE-101194-A-10** Correspondence; 1 document, 10 pages. *Source:* Department of Energy. *Date:* 04/30/46 *From:* Paul Aebersold. *To:* K Fields. *Re:* List of Requests and Estimated Needs for Radioisotopes. *Contents:* Memo and list of requests made by MIT and Washington University and past requests made by other institutions.

**DOE-101194-A-11** Meetings; 2 documents, 30 pages. *Source:* Department of Energy. *Date:* 07/11/46 *From:* Paul Aebersold. *To:* Members--Advisory Cmte on Isotope Distrib. Policy. *Re:* Minutes of the Subcomte Meetings. *Contents:* Minutes of the June meetings held in Oak Ridge and Chicago

**DOE-101194-A-12** Reports; 1 document, 8 pages. *Source:* Department of Energy. *Date:* 09/01/46 *From:* N/A. *To:* N/A. *Re:* Second report of request received 8/1-8/31/46. *Contents:* Chart of requests for month of August. 709586 is a listing of shipments from 8/6/46 to 9/30/48.

**DOE-101194-A-13** Meetings; 1 document, 18 pages. *Source:* Department of Energy. *Date:* 07/19/49 *From:* Allan Lough. *To:* Holland, Hamilton, Failla, Friedell. *Re:* Revised Minutes--Subcommitte on Human Applications, 3/13/49. *Contents:* Revised tentative minutes of meeting in Washington

**DOE-101194-A-14** Publications; 1 document, 9 pages. *Source:* Department of Energy. *Date:* 07/01/55 *From:* N/A. *To:* N/A. *Re:* 10 CFR pt. 37 Radioisotope Research Support Program. *Contents:* Regulations on purchase of isotopes at discount for research

**DOE-101194-A-15** Meetings; 2 documents, 20 pages. *Source:* Department of Energy. *Date:* 07/01/55 *From:* N/A. *To:* N/A. *Re:* Sessions of Radioisotope Techniques School. *Contents:* List of participants and lectures/films at June-July and July-August sessions

**DOE-101194-B-1** Reports; 1 document, 93 pages. *Source:* Department of Energy. *Date:* 08/01/64 *From:* John R. Horan and Aubrey O. Dodd. *To:* N/A. *Re:* Health and Safety Division Annual Progress Report, 1963. *Contents:* This report describes occupational safety and radiation exposures. The total population exposure was 2156 rem whole body, with

no individual exposure exceeding 5 rem. The medical chapter describes an eye study for radiation cataracts on reactor personnel, involving 1233 examinations of 734 individuals with 55 cataracts, none attributed to radiation exposure (p. 4). A plutonium accident resulted in one positive urine sample (pp. 4-5). The dosimetry chapter lists cumulative exposures for 1951-63, which appear to total over 30,000 rem whole body (p. 12). It also discusses the development of an environmental film badge for site radiation monitoring. The chapter on analytical chemistry describes whole-body counting and detected activity levels for 24 isotopes in hundreds of individuals, ranging up to 5 microcuries of iodine (p. 19 and Appendix B). The health physics chapter and Appendix A describe atmospheric monitoring in comparison to the on-site Radioactivity Concentration Guide -- usually a few percent of the limit (p. 36). Milk was monitored for I-131, Cs-137, and Sr-90 -- iodine levels were low but cesium and strontium levels increased during the year (p. 38). Roads were monitored for hot particles (p. 38). A wheat monitoring program was initiated, which detected Cs-137 and Mn-54. A number of other special projects studied the fate of radionuclides (not intentionally released for experimental purposes) in the environment (pp. 38-43). The chapter on waste management noted the cumulative release of nearly 900,000 curies into the atmosphere, 255,000 in 1963, mostly (98%) from inert gases (p. 49). Studies of tritium in ground water were also undertaken and proposed (p. 50). The meteorology chapter lists a number of intentional release experiments, the second SPERT I reactor destruct test, and the CERT radioiodine release test, as well as future plans. Appendix C describes the second SPERT (Special Power Excursion Test) I reactor destruct test on November 10, 1963. This test produced less core damage than the first test in 1962. Environmental monitoring of the resulting cloud indicated readings of 1 mr/hr at a distance of 1/2 mile, declining below background at 15 miles. Appendix D describes the first CERT (Controlled Environmental Radioiodine Test) experiment, noting that "Questions pertaining to the behavior and effects of radioiodine as a hazard to the population are currently receiving considerable attention." (p. 89) The test, described fully elsewhere, involved the release of 970 millicuries onto a pasture, where cattle grazed. The milk was fed to seven volunteers, whose average exposure was .39 rad to the thyroid (p. 91).

**DOE-101194-B-3** Reports; 1 document, 77 pages. *Source:* Department of Energy. *Date:* 01/01/68 *From:* D. F. Bunch. *To:* N/A. *Re:* Controlled Environmental Radioiodine Tests, Progress Report Number Three. *Contents:* This report describes the CERT tests for 1966, numbers 8-19. The full list, 1-19, appears on pp. 3-4. These tests involved a range of chemical forms and weather conditions for the release, and included monitoring of biological uptake. The report describes the techniques and measurements for each release. This report provides no indication of measures to limit occupational exposures or exposures to the public.

**DOE-101194-B-4** Reports; 1 document, 10 pages. *Source:* Department of Energy. *Date:* 03/15/48 *From:* Low-Beer, Hamilton, Stone, Scott. *To:* N/A. *Re:* Comparative Deposition of Zr95 in a Reticulo Endothilial Tumor to Normal Tissues in a Human Patient. report on CAL-Z

**DOE-101394-A-1** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 03/21/47 *From:* Richard T. Batson. *To:* A.H. Dowdy. *Re:* Reclassification of Documents. Letter from the Atomic Energy Commission stating that information concenring experimentation should be reclassified.

**DOE-101394-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 09/12/47 *From:* Albert Holland. *To:* Chairman of the Classification Board. *Re:* Proposed Classification for Unique Operational and Production Hazards, Including Medical Classification. A proposal for classification of unique operation hazards including medical classification

**DOE-101494-B-1** Correspondence. *Source:* Department of Energy. *Date:* 10/19/48 *From:* Shields Warren. *To:* Albert Holland. *Re:* Review of Document. Declassifcation of "Comparative Deposition of Zr95 in a Reticulo Endothelial Tumor to Normal Tissues in a Human Patient.

**DOE-110894-A-1** Correspondence; 3 documents, 6 pages. *Source:* Department of Energy. *Date:* 10/10/49 *From:* RA San Souci. *To:* John Lawrence. *Re:* Correspondence excerpts re Metabolic Unit. Excerpts of Lawrences correspondence re erection of Metabolic Unit

**DOE-110894-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 05/23/51 *From:* Robert Sproul. *To:* Wendell Stanley. *Re:* Administrative problems between Med School and DMP. Letter re separation of powers between UCSF and Berkeley DMP

**DOE-110894-A-3** Reports; 1 document, 4 pages. *Source:* Department of Energy. *Date:* 02/01/67 *From:* Cmte for Safeguards in Research in Human Subjects. *To:* N/A. *Re:* Statement of Policy of the Berkeley Radiation Lab. policy regarding human subject studies on Berkekely campus

**DOE-110894-A-4** Reports; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 09/01/54 *From:* Robert Stone. *To:* N/A. *Re:* History of the Radiological Laboratory, 1942-54. report on the work of contract 48C

**DOE-112194-D-1** 1 document, 4 pages. *Source:* Department of Energy. *Date:* 01/01/67 *From:* Oak Ridge Associated Universities. *To:* N/A. *Re:* Authority To Operate Consent Forms.

**DOE-112194-D-2** 1 document, 6 pages. *Source:* Department of Energy. *Date:* *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Information For Patients.

**DOE-112194-D-3** Correspondence; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 12/30/46 *From:* Chapman, T. S., Chief, Operations Branch, Research Division. *To:* The Area Engineer, Berkeley Area, Berkeley, California. *Re:* Human Experiments. letter re halt to experiments at Berkeley

**DOE-113094-B-1** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 06/24/46 *From:* E.O. Meals Lt. Col., Air Corps, Deputy Area Engineer, Army Service Forces United States Engineer Office Manhattan District. *To:* District Engineer, Manhattan District, Oak ridge Tennessee. *Re:* University of California Radiation Laboratory Budget - 1946 - 1947. *Contents:* The gist of this memo centers around the allocation of money for contract w7405-eng-48 for 1946-47. Also included are the sub-projects 48 and 48A, B, C, with a discussion of the allocation level required for each project.

**DOE-113094-B-2** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/24/46 *From:* Nichols, K. D. *To:* The Area Engineer, California Area, Berkeley, California. *Re:* Administration of Radioactive Substances to Human Subjects. memo re halting testing under contract 48

**DOE-113094-B-3** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 09/26/47 *From:* Franklin, J. C. *To:* Wilson Carroll. *Re:* Medical Policy.

**DOE-113094-B-4** Correspondence; 1 document, 23 pages. *Source:* Department of Energy. *Date:* 03/19/47 *From:* Major B. N. Brundage, MC, Chief, Medical Division. *To:* Declassification Section. *Re:* Clearance of Technical Documents.

**DOE-113094-B-5** Experiment Records; 1 document, 3 pages. *Source:* Department of Energy. *Date:* *From:* N/A. *To:* N/A. *Re:* Experiment I on P. 49+4. *Contents:* This is the clinical protocol for the Hp-12 injection at Oak Ridge Hospital (the first of the MED plutonium injections) in April 1945.

**DOE-113094-B-6** Correspondence; 1 document, 4 pages. *Source:* Department of Energy. *Date:* 05/09/45 *From:* K. Z. Morgan. *To:* R. S. Stone. *Re:* The Tolerance Values for Polonium used at Clinton Laboratories. *Contents:* K Z Morgan's derivation of the "tentative tolerance value" for polonium used at Clinton (Oak Ridge).

**DOE-113094-B-7** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 05/21/45 *From:* Wright H. Langham. *To:* Hymer Friedell. *Re:* Letter *Re:* plutonium injection at Oak Ridge and future injections. *Contents:* Langham proposes further experimental work to develop method for monitoring plutonium body burden of workers. He expresses to Friedell his opinion that the maximum permissible body burden for plutonium should be lowered to one microgram.

**DOE-113094-B-8** Correspondence; 1 document, 5 pages. *Source:* Department of Energy (Oak Ridge Operations: Class. Doc. 1944-94, RHTG# 82,539 Box# 161). *Date:* 08/28/46 *From:* Joseph G. Hamilton. *To:* Colonel E.B. Kelly. *Re:* Summary of Research Program for Contract #W-7405-eng-48-A. *Contents:* Biomedical research program for fiscal year 1946-47 under contract 48-A.

**DOE-113094-B-9** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* *From:* N/A. *To:* N/A. *Re:* CH-3607 - The Distribution and Excretion of Plutonium in Two Human Subjects. Excerpts from statements of reviewers. *Contents:* Excerpts from memoranda *Re:* the declassification of CH-3607. Reviewers include: Hymer Friedell, 12/22/46; R. A. Anderson (Deputy Advisor on Patient Matters, Washington), 12/23/46; C. L. Marshall, 2/28/47; W. J. Batterfield, 3/11/47; Major Daner, 7/29/47.

**DOE-113094-B-10** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 02/12/48 *From:* Harold Hodge. *To:* Brewer F. Boardman. *Re:* No title. Letter which argues against human experimentation classification

**DOE-113094-B-11** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/23/47 *From:* Albert Holland. *To:* C.L. Marshall. *Re:* Declassification of Documents. No objection to declassifying certain research on humans.

**DOE-113094-B-12** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 02/05/48 *From:* Insurance Branch. *To:* N/A. *Re:* Review of Document. Discussion from the Insurance Department regarding the compensation of human subjects used in esperimentation

**DOE-113094-C-1** Reports; 1 document, 36 pages. *Source:* Department of Energy (Lawrence Berkeley Laboratory: Radiological Lab Reports). *Date:* 10/31/50 *From:* Earl Miller. *To:* N/A. *Re:* Experience at the University of California eith the Treatment of Patients with Hyperthyroidism by I131. Report discusses dose, pateitn description, methods, and results

**DOE-113094-C-2** Reports; 2 documents, 28 pages. *Source:* Department of Energy (Lawrence Berkeley Laboratory: Radiological Lab reports). *Date:* 11/01/62; 11/01/63 *From:* Robert Stone. *To:* N/A. *Re:* Radiological Lab, Annual Reports. Reports from 1962 and 1963

## *Sources and Documentation*

**DOE-113094-C-3** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Lawrence Berkeley Laboratory: John Lawrence Collection, frame 14179. *Date:* 01/10/51 *From:* John Lawrence. *To:* Otis Whitecotton. *Re:* Assurance of review process. letter re isotope committee review

**DOE-120294-B-1** Publications; 1 document, 19 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, folder 1/3. *Date:* 06/01/56 *From:* S.R. Bernard, B.R. Fish, G.W. Royster, Jr., L.B. Farabee, P.E. Brown and G.R. Patterson. *To:* N/A. *Re:* "Human Thyroid Uptake and Bodily Elimination of I131 for the Case of Single and Continual Ingestion of Bound Iodine in Resin-Treated Milk".

**DOE-120294-B-2** Publications; 1 document, 16 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, fodler 1/3. *Date:* 06/01/56 *From:* S.R. Bernard, J.R. Muir, and G.W. Royster. *To:* N/A. *Re:* "The Distribution and Excretion of Uranium in Man".

**DOE-120294-B-3** 7 documents, 74 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 09/01/43; 10/01/43 *From:* N/A. *To:* N/A. *Re:* Organization Chart - Clinton Laboratories.

**DOE-120294-B-4** Reports; 1 document, 10 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* *From:* N/A. *To:* N/A. *Re:* Oak Ridge National Laboratory: Finance and Business Management - Division History.

**DOE-120294-B-5** 1 document, 11 pages. *Source:* Department of Energy (ORNL: DOE-1202094-B, Folder 1/3. *Date:* *From:* Mike Watkins. *To:* N/A. *Re:* "The History of Radiation Protection at Oak Ridge National Laboratory". *Contents:*

**DOE-120294-B-6** Reports; 1 document, 18 pages. *Source:* Department of Energy (ORNL: DOE-1202094-B, Folder 1/3. *Date:* 07/31/47 *From:* F.B. Kauffman, Assistant General Manager, NEPA Project, Oak Ridge, TN. *To:* N/A. *Re:* NEPA Project Progress Report for the Period of July 1 through 31, 1947.

**DOE-120294-B-7** Financial Records; 1 document, 102 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 06/16/54 *From:* Dr. C.E. Larson. *To:* N/A. *Re:* Biology and Medicine Portion of Oak Ridge National Laboratory Research and Development Program for Fiscal Year 1956.

**DOE-120294-B-8** Financial Records; 1 document, 260 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 01/01/65 *From:* N/A. *To:* N/A. *Re:* Oak Ridge National Laboratory Biology and Medicine Program Budget Proposals. *Contents:*

**DOE-120294-B-9** Financial Records; 1 document, 96 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 05/28/56 *From:* Dr. J.A. Swartout. *To:* N/A. *Re:* Biology and Medicine Portion of Oak Ridge National Laboratory Research and Development Program for Fiscal Year 1958.

**DOE-120294-B-10** Financial Records; 1 document, 92 pages. *Source:* Department of Energy (ORNL: DOE-1202094-B, Folder 1/3. *Date:* 06/02/55 *From:* Dr. C.E. Larson. *To:* N/A. *Re:* Biology and Medicine Portion of Oak Ridge National Laboratory Research and Development Program for Fiscal Year 1957.

**DOE-120294-B-11** Financial Records; 1 document, 354 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 04/16/51 *From:* Dr. C.E. Larson. *To:* N/A. *Re:* Oak Ridge National Laboratory Research and Development Program for Fiscal Year 1953.

**DOE-120294-B-12** Reports; 1 document, 17 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 01/01/52 *From:* W.E. Thompson. *To:* N/A. *Re:* Oak Ridge National Laboratory Research and Radioisotope Production. *Contents:* Oak Ridge National Laboratory under Carbide and Carbon Chemicals Corporation

**DOE-120294-B-13** Reports; 1 document, 28 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 08/01/92 *From:* C.E. Childress, R.E. Fenstermaker. *To:* N/A. *Re:* "History of the Quality Department at Oak Ridge National Laboratory".

**DOE-120294-B-14** Publications; 1 document, 224 pages.; Reports. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 12/31/92 *From:* W.L. Greenstreet. *To:* N/A. *Re:* "History of the Engineering and Technology Division Oak Ridge National Laboratory, 1944-1992".

**DOE-120294-B-15** Reports; 1 document, 258 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 08/23/63 *From:* W.E. Thompson. *To:* N/A. *Re:* "History of the Oak Ridge National Laboratory, 1943-1963" - First Rough Draft.

**DOE-120294-B-16** Publications; 1 document, 92 pages. *Source:* Department of Energy (ORNL: DOE-120294-B, Folder 1/3. *Date:* 07/01/92 *From:* G.D. Kerr, R.H. Ritchie, S.V. Kaye, J.S. Wassom. *To:* N/A. *Re:* " A Brief History of the Health and Safety Research Division at Oak Ridge National Laboratory" (50th Anniversary).

**DOE-120594-D-1** Correspondence; 1 document, 7 pages. *Source:* Department of Energy. *Date:* 11/17/45 *From:* Committee on Declassification. *To:* L.R. Groves. *Re:* Report of Committee on Declassification. Report and description of discussion concerning the declassification of information concerning the Manhattan Project.

## *Appendix E*

**DOE-120894-C-1** Reports; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 10/11/56 *From:* Wright Langham. *To:* N/A. *Re:* Panel Discussion of Plutonium. *Contents:* Presentation by Wright Langham given at the Second Annual Meeting on Bio-Assay and Analytical Chemistry, October 11 and 12, 1956.

**DOE-120894-E-1** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box 161). *Date:* 04/06/45 *From:* Wright Langham. *To:* Lt. Col. H. Friedell. *Re: Re:* "49" experiment.

**DOE-120894-E-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box 161). *Date:* 05/21/94 *From:* Wright Langham. *To:* Lt. Col. H. Friedell. *Re: Re:* research program and personnel monitoring.

**DOE-120894-E-3** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box 161). *Date:* 05/21/45; 06/02/45; 06/04/45 *From:* N/A. *To:* N/A. *Re:* Ref. Letter Langham to Friedell 21 May, Friedell to Langham 2 June, Verbal arrangements with McCann on 4 June and Conversations - Warren to Langham and Hempelman on week of 4-9 June. memoranda on how to proceed with Pu study

**DOE-120894-E-4** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box 603). *Date:* 03/15/48 *From:* Albert H. Holland, Jr., M.D. *To:* Dr. Hoyland Young, Director, Information Division, Argonne National Laboratory. *Re:* Declassification of documents.

**DOE-120894-E-5** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 603). *Date:* 03/07/45 *From:* J. Lum. *To:* Dr. C.A. Thomas. *Re:* Health Program. *Contents:*

**DOE-120894-E-6** Correspondence, 212 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-248-7). *Date:* 06/23/48; 06/15/48 *From:* G.M. Hostetter, C.O. Burns, Insurance Department. *To:* Dr. A.H. Holland, Medical Advisor (Also: U.S. Atomic Energy Commission). *Re:* Death of Orville V. Sears.

**DOE-120894-E-7** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 03/12/48 *From:* Albert Holland, Jr., M.D., Medical Advisor. *To:* J.K. Robinson, Procurement Branch, Divisino of Service and Supply. *Re:* Contract No. AT-40-1-GEN-21.

**DOE-120894-E-8** Reports; 1 document, 30 pages. *Source:* Department of Energy. *Date:* 02/04/48 *From:* Alexander Hollaender, Biology Division, Clinton National Laboratory, Oak Ridge, TN. *To:* Dr. Shields Warren, Interim Director, Division of Biology and Medicine, Atomic Energy Commission, Washington, D.C. *Re:* Contract AT-33-1-GEN-53, program for the Biology Division, 1948-49.

**DOE-120894-E-9** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 02/24/48 *From:* Lucius Salisbury, M.D., Director of Hospital Services. *To:* "All Concerned". *Re:* Roentgen Therapy - Superficial Only. (Maximum 140 Kv.P. at 5 m.a.).

**DOE-120894-E-10** Reports; 2 documents, 5 pages. *Source:* Department of Energy. *Date:* 08/06/48; 08/05/48 *From:* J.C. Franklin/Carroll L. Wilson. *To:* Division and Branch Heads, Oak Ridge/Managers of Directed Operations. *Re:* Staff Organization for the Job Ahead. *Contents:*

**DOE-120894-E-11** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 603). *Date:* 05/29/47 *From:* C.L. Marshall, Deputy Declassification Officer, Technical Information Branch, Field Operations, Oak Ridge, TN. *To:* Major B.M. Brundage, Chief, Medical Section. *Re:* Document by A.M. Brues.

**DOE-120894-E-12** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 603). *Date:* 05/27/47 *From:* Major William Clarkson, Executive Officer, Medical Division, Oak Ridge, TN. *To:* Assistant Area Manager, Schenectady, New York. *Re:* Answers to Questions Submitted with Your Memorandum of May 12, 1947 addressed to Major J.W. Howland.

**DOE-120894-E-13** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 04/30/48 *From:* James G. Hughes, M.D., Associate Professor of Pediatrics, University of Tennessee. *To:* Dr. A.J. Holland, Medical Director, Atomic Energy Commission. *Re:* Request for contract.

**DOE-120894-E-14** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 04/28/48 *From:* H.J. Muller. *To:* Dr. Shields Warren. *Re:* Radiation Hazard.

**DOE-120894-E-15** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 01/02/47 *From:* Lucius Salisbury. *To:* Chief of Facilities and Service Division, Oak Ridge, TN. *Re:* Radium Therapy.

**DOE-120894-E-16** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 04/18/46 *From:* Robert S. Stone, M.D., Radiologist in Chief. *To:* Bernard A. Fries, M.D., California Research Corporation (cc: Col. S. Warren). *Re:* Concern about exposure to plutonium.

**DOE-120894-E-17** Correspondence; 2 documents, 6 pages. *Source:* Department of Energy. *Date:* 10/08/46 *From:* William D. Fleming, Colonel, Medical Corps, Director, Medical Division/Joe W. Howland, Captain, Medical Corps, Chief of Research, Medical Division. *To:* District Engineer, Manhattan District, Oak Ridge/Col. William D. Fleming, M.D., Director, Medical Division, Manhattan District Office. *Re:* Proposed Medical Research and Report Control.

## *Sources and Documentation*

**DOE-120894-E-18** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 603). *Date:* 01/17/46 *From:* Stafford Warren, Hymer Friedell, Robert Stone. *To:* Dr. Charles Thomas. *Re: Re:* Polonium tolerance. *Contents:*

**DOE-120894-E-19** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 03/21/47 *From:* Richard T. Batson, Major, Corps of Engineers, Declassification Officer, Research DIvision, Field Operations. *To:* Dr. H.D. Young, Argonne National Laboratory. *Re:* Reclassification of Documents.

**DOE-120894-E-20** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box 603). *Date:* 11/01/44 *From:* Stafford Warren, Colonel, Medical Corps, Chief, Medical Section. *To:* Dr. J.J. Nickson, Metallurgical Laboratory. *Re: Re:* Protective measures for handling plutonium and polonium.

**DOE-120894-E-21** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 01/01/47 *From:* Dr. Stafford Warren. *To:* Col. K.D. Nichols. *Re:* Special Hazards Insurance.

**DOE-120894-E-22** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 603). *Date:* 12/11/46 *From:* Birchard Brundage, Major, Medical Corps, Chief, Medical Division. *To:* District Engineer, Manhattan District, Oak Ridge, TN. *Re:* Scope of the Medical Research Program.

**DOE-120894-E-23** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date: From:* N/A. *To:* N/A. *Re:* Proposed Medical Classification.

**DOE-120894-E-24** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/26/46 *From:* Joe W. Howland, Captain, Medical Corps, Assistant. *To:* Area Engineer, Rochester Area, Attn: Dr. A.H. Dowdy. *Re:* Examination of Urine and Stool Specimens for Possible Radioactive Procedures and Lead. *Contents:*

**DOE-120894-E-25** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 09/24/46 *From:* William D. Fleming, Colonel, Medical Corps, Director, Medical Division. *To:* The Metallurgical Laboratory, Attn: Dr. J.J. Nickson. *Re:* Request for information for the improvement of health protection, care and standards.

**DOE-120894-E-26** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 02/26/46 *From:* Hymer Friedell, Lt. Col., Medical Corps, Exec. Officer, Medical Section. *To:* Brigadier General K.D. Nichols, District Engineer. *Re:* Future Medical Research Program.

**DOE-120894-E-27** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 02/26/46 *From:* P.C. Aebersold. *To:* Lt. Col. H.L. Friedell. *Re:* Radioelement Tracer Demonstration for American Cancer Society.

**DOE-120894-E-28** Reports; 1 document, 3 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 161). *Date: From:* N/A. *To:* N/A. *Re:* Detailed Duties of Dr. William F. Bale. *Contents:*

**DOE-120894-E-29** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 12/28/45 *From:* K.D. Nichols, Corps of Engineers. *To:* Major General Groves. *Re:* Categories of Subjects and Materials Recommended for Declassification and Release within the United States.

**DOE-120894-E-30** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 02/11/49 *From:* Charles A. Keller, Declassification Officer, Declassification Branch. *To:* Dr. H.D. Young, Argonne National Laboratory. *Re:* Deletions Recommended in Volume 23, Division IV, Plutonium Project Record.

**DOE-120894-E-31** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 12/18/45; 12/28/45 *From:* Dr. Thomas Barbour/Stafford L. Warren, Col. Medical Corps, Chief, Medical Section. *To:* Stafford Warren/Thomas Barbour. *Re:* Request for information on the value of animal research in medical science.

**DOE-120894-E-32** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy. *Date:* 12/20/48; 12/08/48; 07/16/48 *From:* Clyde E. Wilson, Chief, Insurance Branch/Anthony Vallado, Deputy Declassification Officer, . *To:* Anthony Vallado, Deputy Declassification Officer/Clyde Wilson, Insurance Branch. *Re:* Review of Document by Knowlton.

**DOE-120894-E-33** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 10/08/48; 10/15/48 *From:* Clyde Wilson, Insurance Branch/Charles Keller, Declassification Branch. *To:* Charles Keller/Clyde Wilson. *Re:* Review of Document.

**DOE-120894-E-34** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 603). *Date:* 12/09/44 *From:* Hymer Friedell, Major, Medical Corps, Executive Officer, Medical Section. *To:* Dr. J.H. Lum. *Re:* Project Reports sent to Dr. Lum. *Contents:*

**DOE-120894-E-35** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 05/17/48; 10/14/48 *From:* Clyde Wilson, Chief, Insurance Branch/Charles Keller, Declassification Officer, Declassification Branch. *To:* Charles Keller/Clyde Wilson. *Re:* Review of Document.

**DOE-120894-E-36** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 09/15/48 *From:* Anthony Vallado, Deputy Declassification Officer, Declassification Branch. *To:* Clyde E. Wilson, Insurance Branch. *Re:* Review of Document by G. Failla.

**DOE-120894-E-37** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 161). *Date:* 10/28/44 *From:* Robley Evans. *To:* Lt. Joe Howland. *Re:* Seeking Volunteer Human Subjects.

**DOE-120894-E-38** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box 7405). *Date:* 07/17/46 *From:* Paul W. McDaniel, Chief, Technical Branch, Research Division. *To:* District Engineer, Manhattan District, Oak Ridge, TN. *Re:* University of California Radiation Laboratory Budget 1946-47.

**DOE-120894-E-39** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG box # 161). *Date:* 07/12/45 *From:* Joe W. Howland, 1st Lt., Medical Corps. *To:* Area Engineer, California Area, Berkeley. *Re:* Status of Experimental Subject.

**DOE-120894-E-40** Correspondence; 1 document, 9 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG box # 161). *Date:* 04/23/46 *From:* Joseph Hamilton, M.D. *To:* Captain Joe Howland (MC). *Re:* Memo. *Contents:*

**DOE-120894-E-41** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-240). *Date:* 05/19/48; 06/25/48 *From:* Clyde Wilson, Insurance Branch/Anthony Vallado, Declassification Branch. *To:* Anthony Vallado, Declassification Branch/Clyde Wilson, Insurance Branch. *Re:* Review of Document.

**DOE-120894-E-42** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-240). *Date:* 09/10/48; 07/16/48 *From:* Clyde Wilson, Insurance Branch/Anthony Vallado,, Declassification Branch. *To:* Anthony Vallado/Clyde Wilson. *Re:* Review of Document. letter re classifying vs. releasing info on report

**DOE-120894-E-43** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 09/09/48 *From:* Charles A. Keller, Declassification Branch. *To:* Clyde E. Wilson, Insurance Branch. *Re:* Declassification Review of Documents.

**DOE-120894-E-44** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-240). *Date:* 04/14/48; 04/07/48; 01/14/48 *From:* Charles Keller, Declassification Branch/Clyde Wilson, Insurance Branch/Charles Keller, Declassification Branch. *To:* Clyde Wilson, Insurance Branch/Charles Keller, Declassification Branch/L.F. Spalding, Insurance Branch. *Re:* Review of Document.

**DOE-120894-E-45** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG box 7405). *Date:* 06/24/46 *From:* E.O. Meals, Lt. Col., Air Corps, Deputy Area Engineer. *To:* District Engineer, Manhattan District, Oak Ridge, TN - Attn: T.S. Chapman, Research Division. *Re:* University of California Radiation Laboratory Budget - 1946-1947. *Contents:*

**DOE-120894-E-46** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 03/18/48; 04/14/48 *From:* Clyde Wilson, Insurance Branch/Charles Keller, Declassification Branch. *To:* Charles Keller/Clyde Wilson. *Re:* Review of Document.

**DOE-120894-E-47** Correspondence; 2 documents, 3 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-240). *Date:* 12/15/47; 02/05/48 *From:* L.F. Spalding, Insurance Branch. *To:* Charles Keller, Declassification Branch. *Re:* Review of Document.

**DOE-120894-E-48** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-240). *Date:* 01/14/48; 01/08/48 *From:* Charles Keller, Declassification Branch. *To:* L.F. Spalding, Insurance Branch. *Re:* Review of Document.

**DOE-120894-E-49** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-194-9). *Date:* 03/22/46 *From:* Joe Howland, Captain, Medical Corps. *To:* Joseph Hamilton, M.D. University of California - Berkeley, CA. *Re:* Letter regarding protocols and research for 1946-47 period.

**DOE-120894-E-50** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-248-7). *Date:* 12/09/47 *From:* Carroll Wilson, General Manager. *To:* J.C. Franklin, Manager, Oak Ridge Directed Operations. *Re:* Procedure for Medico-Legal Claims.

**DOE-120894-E-51** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-248-7). *Date:* 11/07/47 *From:* Albert Holland, Jr., M.D. - Acting Medical Advisor. *To:* J.C. Franklin, Manager. *Re:* Medical and Operational Policy Decisions.

**DOE-120894-E-52** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: RHTG Box # 7405). *Date:* 05/21/45 *From:* H.A. Fidler, Major, Corps of Engineers, Area Engineer. *To:* District Manhattan District, Oak Ridge, TN - Attn: Lt. Col. C. Vanden Bulck. *Re:* Establishment of Project 48C.

**DOE-120894-E-53** Correspondence; 2 documents, 5 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-248-7). *Date:* 10/27/47 *From:* J.C. Franklin, Manager, Oak Ridge Operations. *To:* Carroll Wilson,

General Manager, Washington. *Re:* Transmittal of Memorandum Concerning Procedure for Medico-Legal Claims/Recommended Procedure for Medico-Legal Claims.

**DOE-120894-E-54** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-18-9). *Date:* 01/22/65 *From:* Herman Roth, Director, Research and Development Division, Oak Ridge Operations and C.S. Shoup. *To:* F.H. Belcher, Area Manager, St. Louis Area Office. *Re:* Publication of Uranium Uptake Data.

**DOE-120894-E-55** Reports; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-248-7). *Date:* 10/23/47 *From:* United States Atomic Energy Commission. *To:* "for release to papers, Friday, October 24, 1947. *Re:* Dr. Shields Warren Appointed Interim Director of Biology and Medicine.

**DOE-120894-E-56** Correspondence; 1 document, 4 pages. *Source:* Department of Energy. *Date:* 12/12/47 *From:* R.W. Cook, Deputy Manager, Field Operations, Oak Ridge. *To:* Carroll Wilson, General Manager, Washington. *Re:* Recommended Procedure for Medico-Legal Claims.

**DOE-120894-E-57** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-240). *Date:* 10/07/47; 10/10/47 *From:* C.L. Marshall, Deputy Declassification Officer, Technical Information Branch/L.F. Spalding, Insurance Branch. *To:* L.F. Spalding/C.L. Marshall. *Re:* Review of Document.

**DOE-120894-E-58** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (Oak Ridge Operations, DOE-HQ: H-240). *Date:* 08/15/47; 08/13/47 *From:* L.F. Spalding, Chief, Insurance Claims Section/C.L. Marshall, Deputy Declassification Officer, Technical Information Branch. *To:* C.L. Marshall/L.F. Spalding. *Re:* Document by Nickson.

**DOE-120894-E-59** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-240). *Date:* 06/12/47; 06/11/47 *From:* L.F. Spalding, Chief, Insurance Claims Section/C.L. Marshall, Deputy Declassification Officer, Technical Information Branch. *To:* C.L. Marshall/L.F. Spalding. *Re:* Paper by Dickie and Hempelmann.

**DOE-120894-E-60** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG Box # 603). *Date:* 06/10/47 *From:* Major B.M. Brundage, M.C., Chief, Medical Division. *To:* C.L. Marshall, Deputy Declassification Officer, Technical Informatino Branch. *Re:* Document by Nickson.

**DOE-120894-E-61** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG Box # 603). *Date:* 05/16/47; 05/19/47 *From:* C.L. Marshall, Deputy Declassification Officer, Technical Information Branch/Major Birchard Brundage, M.C., Chief, Medical Division . *To:* B.M. Brundage/C.L. Marshall. *Re:* Document by Crowley, et al. *Contents:*

**DOE-120894-E-62** Reports; 1 document. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG Box # 194). *Date:* 12/31/46 *From:* Manhattan District Research Division. *To:* N/A. *Re:* History of the Activities of the Manhattan District Research Division - October 15, 1945 - December 31, 1946. *Contents:*

**DOE-120894-E-63** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 09/09/48 *From:* N/A. *To:* N/A. *Re:* Telephone conversation between Dr. Joe W. Howland, University of Rochester and Dr. Albert H. Holland, Jr., Medical Advisor - 09/09/48. *Contents:*

**DOE-120894-E-64** Meetings; 1 document, 12 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-7). *Date:* 09/08/47 *From:* N/A. *To:* N/A. *Re:* Report of Meeting of Classification Board During Week of September 8, 1947.

**DOE-120894-E-65** Meetings; 2 documents, 4 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-H). *Date:* 10/31/46 *From:* Karl Z. Morgan. *To:* N/A. *Re:* Health Physics - Lecture I - Health Physics, Its History and Development.

**DOE-120894-E-66** Financial Records; 3 documents, 6 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 09/26/46 *From:* K.C. Brooks, Engineer (Civil), Chief, Adm. and Const, Section, X-10/Karl Z. Morgan. *To:* Colonel W.D. Fleming, District Medical Officer. *Re:* Health Physics Program/X-10 Area Health Physics Program for Fiscal Year 1947.

**DOE-120894-E-67** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 02/09/46 *From:* Stafford Warren, Col., M.C. *To:* Brig. Gen. K.D. Nichols, District Engineer, Manhattan District. *Re:* Biology Program at X-10.

**DOE-120894-E-68** Correspondence; 1 document, 5 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: A-30-7). *Date:* 04/01/71 *From:* Joseph A. Lenhard. *To:* N/A. *Re:* Diary.

**DOE-120894-E-69** Correspondence; 2 documents, 3 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 09/08/47; 09/12/47 *From:* Paul C. Aebersold, Chief, Isotopes Branch, Field Operations/R. W. Cook, Deputy Manager, Field Operations. *To:* N/A. *Re:* Training in Medical Aspects of Atomic Weapons.

**DOE-120894-E-70** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 08/26/47 *From:* Carroll L. Wilson, General Manager. *To:* Walter Williams, Manager, Field Operations. *Re:* Training in Medical Aspects of Atomic Weapons.

**DOE-120894-E-71** Correspondence; 4 documents, 8 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 03/28/46; 08/28/46; 08/26/46 *From:* A.V. Peterson, Director, Research Division/S.L. Brown, Colonel, Corps of Engineers, Director, Security Division/W.D. Fleming, Colonel, Medical Corps, Director, Medical Division/Alfred Chanutin, Professor of Biochemistry, University of Virginia. *To:* Colonel W.D. Fleming, Director, Research Division, Executive, Manhattan District/Chief, Security Division, Manhattan Engineer District/ Colonel W.D. Fleming. *Re:* Letter from Dr. A. Chanutin, University of Virginia.

**DOE-120894-E-72** Reports; 3 documents, 10 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 10/08/46 *From:* P. S. Henshaw. *To:* N/A. *Re:* Proposed Training Program for Physicians, Health Physicists, Biologists and Medical and/or Health Physics Aides; Requirements for Admission; Proposed Training Program in Radiobiology. *Contents:*

**DOE-120894-E-73** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 06/09/48 *From:* Albert Holland, Jr., M.D. Medical Advisor. *To:* C. Vanden Bulck, Assistant to Manager for Administration. *Re:* Medical Investigation of Alleged Disabilities from Special Hazards.

**DOE-120894-E-75** Meetings; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-8). *Date:* 08/18/48 *From:* N/A. *To:* N/A. *Re:* Program: Second Industrial Medical Conference, Carbide and Carbon Chemicals Corporation; K-25 Plant Dispensary, Oak Ridge, TN - August 18-19-20, 1948.

**DOE-120894-E-76** Financial Records; 1 document, 13 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG box #209). *Date:* 01/01/49 *From:* N/A. *To:* N/A. *Re:* Excerpt *From:* Atomic Energy Commission, Office of Oak Ridge Directed Operations: Functional Organizational Charts; Budget Estimate, Fiscal Year 1949.

**DOE-120894-E-77** Financial Records; 1 document, 22 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG Box # 209). *Date:* 01/01/49 *From:* N/A. *To:* N/A. *Re:* Excerpt *From:* Atomic Energy Commission, Office of Oak Ridge Directed Operations: Functional Organizational Charts; Budget Estimate, Fiscal Year 1949.

**DOE-120894-E-78** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG Box # 51). *Date:* 07/02/48 *From:* J.C. Franklin, Manager. *To:* F.M. Belcher, Chief, Oak Ridge Laboratory. *Re:* RALA Source.

**DOE-120894-E-79** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-18-9, Lenhard Reading Files - Safety & Energy Control DIvision. *Date:* 03/25/64 *From:* S. R. Sapirie, Manager, Oak Ridge Operations. *To:* Union Carbide Corporation. *Re:* Visit of Thomas Mancuso, M.D., for "Feasibility Study".

**DOE-120894-E-80** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-18-9, Lenhard Reading Files, Safety and Environmental Control DIvision. *Date:* 04/28/64; 05/26/64 *From:* Herman Roth, Director, Research and Development Division. *To:* D.F. Cope, Director, Reactor Division. *Re:* Whole Body Counter for EGCR Employees/Whole Body Counting - EGCR Employees.

**DOE-120894-E-81** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG 603). *Date:* 05/12/47 *From:* C.L. Marshall, Deputy Declassification Officer. *To:* B.M. Brundage, Chief, Medical Division. *Re:* Document by Scott, et al.

**DOE-120894-E-82** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG 7405). *Date:* 02/10/45 *From:* Robert M. Underhill, Berkeley, CA. *To:* H.A. Fidler. *Re: Re:* Contract W7405-eng-48C.

**DOE-120894-E-83** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-194-9, Sec. & Intell. Division. *Date:* 04/15/47 *From:* H.A. Fidler, Ass't Chief, Declassification & Publication Branch. *To:* B.M. Brundage, Medical Division. *Re:* Document Entitled "Medical Effects of the Atomic Bomb".

**DOE-120894-E-84** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-248-7, R & D Med. Correspondence. *Date:* 04/07/47 *From:* Stafford Warren, Chairman, Interim Medical Advisory Board. *To:* Carroll Wilson, Atomic Energy Commission. *Re:* Recommendations of the Budgetary sub-committeee of the Interim Medical Advisory Committee.

**DOE-120894-E-85** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-18-9, Lenhard Reading Files - Safety & Env. Control Division. *Date:* 05/07/64; 05/28/64 *From:* S. R. Sapirie/Charles A. Keller/Herman Roth. *To:* H.H. Woodruff, Director, Division of Operational Safety/ Union Carbide

Corporation/ Oak Ridge Institute of Nuclear Studies. *Re:* Uranium Exposure at Y-12 & Physiological Studies on Y-12 Employees.

**DOE-120894-E-86** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-18-9, Lenhard Reading Files, Safety & Env.Control Division. *Date:* 10/28/63 *From:* S.R. Sapirie, Manager, Oak Ridge Operations. *To:* Union Carbide Corporation, Nuclear Division. *Re:* Studies on Internal Exposures at Y-12.

**DOE-120894-E-87** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-18-9, Lenhard Reading Files, Safety & Env. Control Division. *Date:* 03/04/58 *From:* S.R. Sapirie. *To:* Union Carbide Nuclear Company, Attn: C.E. Center, V.P. *Re:* ORNL Participation in CETG Field Exercise 58-1.

**DOE-120894-E-88** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-18-9, Lenhard Reading Files, Safety & Env. Control Div. *Date:* 03/05/59 *From:* Herman Roth, Director, Research and Development Division, Atomic Energy Commission, Oak Ridge, TN. *To:* C.L. Dunham, Atomic Energy Commission, Division of Biology and Medicine. *Re:* "Priority" [Use of Radioisotopes for Radiological Purposes].

**DOE-120894-E-89** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-18-9, Lenhard Reading Files, Safety & Env. Control Division. *Date:* 09/14/66 *From:* J.A. Lenhard. *To:* C.S. Shoup, Chief, Biology Branch, Research and Development Division. *Re:* Headquarters Meeting on Workmen's Compensation.

**DOE-120894-E-90** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG 7405). *Date:* 11/14/44 *From:* H.A. Fidler, Major, Corps of Engineers, Area Engineer. *To:* Robert Underhill, Secretary & Treasurer, Regents of the University of California, Berkley. *Re:* Contract W-7405-eng-48.

**DOE-120894-E-91** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG 161). *Date:* 12/24/46 *From:* K.D. Nichols, Colonel, Corps of Engineers, District Engineer. *To:* Area Engineerm California Area, Berkley. *Re:* Administration of Radioactive Substances to Human Subjects.

**DOE-120894-E-92** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: H-194-9, Sec. & Intell. Div. *Date:* 03/11/47 *From:* Major Brichard Brundage, MC. Chief, Medical Division. *To:* Colonel E.H. Varsden (?), Executive Officer. *Re:* Medical Research at University of California at Los Angeles.

**DOE-120894-E-93** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: RHTG 603). *Date:* 03/25/46 *From:* Hymer Friedell. *To:* Dr. Charles Thomas. *Re:* Maximum Permissible (Tolerance) Level for Polonium.

**DOE-120894-E-94** Reports; 1 document, 80 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: box number H-108-4 (HRE box 62)). *Date:* 01/01/60 *From:* Marshall Brucer. *To:* N/A. *Re:* The ORINS Whole-Body Counter Facility. *Contents:* Table of *Contents:* (1) Possible Uses of the Whole-Body Counter (2) The Types of Whole-Body Counters (3) A Suggested WBC Design for the ORINS Medical Division(4) A Specific Proposal for Whole-Body Counter Facilities for the ORINS Medical DIvision (5) Annotated Bibliography on the Whole-Body Counter

**DOE-120894-E-95** Meetings; 1 document, 10 pages. *Source:* Department of Energy (Oak Ridge Operations DOE-HQ: Ship 603, H-248-8; Box HRE-21, 3 of 3). *Date:* 03/08/46 *From:* Medical Advisory Committee. *To:* N/A. *Re:* Meeting of Medical Advisory Committee, 3/6,8/46. Meeting agenda and minutes

**DOE-120894-E-96** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 07/26/45 *From:* Philip Close. *To:* Maj CA Taney. *Re:* Determination of Policy on Cases of Occupational Disease. memorandum, also included in December ACHRE briefing book, Tab I, att. 4

**DOE-120994-A-1** Meetings; 1 document, 11 pages. *Source:* Department of Energy. *Date:* 09/15/44 *From:* R. J. Stevenson and P.C. Aebersold. *To:* N/A. *Re:* Minutes of Interproject Coordination Meeting on Radiation Survey Instruments.

**DOE-120994-A-2** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 07/11/46 *From:* T.S. Chapman. *To:* Lt. Col. Walter P. Leber. *Re:* Biological Program.

**DOE-120994-A-3** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/22/46 *From:* Andrew Dowdy, M.D., Director, Manhattan Department. *To:* Area Engineer, U.S. Engineer Office, Rochester Area. *Re:* Clearance of Material for Seminar. *Contents:*

**DOE-120994-A-4** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 10/24/46 *From:* R.S. Pearson, Adminstrative Assistant. *To:* Area Engineer, Madison Square Area, New york (Attn: Joseph Hayner). *Re:* Uranium Studies in Humans. letter re declassifying information for seminar

**DOE-120994-A-5** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 08/09/46 *From:* L.K. Hurst. *To:* Dr. C.E. Winters. *Re:* Program of the Clinton Laboratories Biology Division. *Contents:*

**DOE-120994-A-6** Reports; 9 documents, 88 pages. *Source:* Department of Energy. *Date:* 04/01/50 *From:* Dr. George Harrell, Project Leader. *To:* N/A. *Re:* Contract No. AT-(40-1)-288.

**DOE-120994-A-7** Correspondence; 5 documents, 8 pages.; Reports; 5 documents, 8 pages. *Source:* Department of Energy. *Date:* 01/15/54 *From:* N/A. *To:* N/A. *Re:* Distribution and Turnover of Sodium and Potassium in Acute Infections.

**DOE-120994-A-8** Reports; 6 documents, 36 pages. *Source:* Department of Energy. *Date:* 01/01/50 - 01/01/51 *From:* Dr. George T. Harrell, Project Leader. *To:* N/A. *Re:* Distribution and Turnover of Sodium and Potassium in Acute Infections.

**DOE-120994-A-9** Publications; 1 document, 8 pages. *Source:* Department of Energy. *Date:* 07/01/51 *From:* Jerry K. Aikawa, M.D. *To:* N/A. *Re:* The Significance of the Radio-Sodium Space in Human Disease.

**DOE-120994-A-10** Publications; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 02/01/52 *From:* Malcolm P. Tyor, M.D., and David Cayer, M.D. *To:* N/A. *Re:* Studies with Iodine-Tagged Albumin in Cirrhotic Patients.

**DOE-120994-A-11** Correspondence; 1 document, 7 pages. *Source:* Department of Energy. *Date:* 11/26/43 *From:* A. H. Dowdy, M.D. *To:* Dr. G. Failla. *Re:* Calibration Data and Treatment Techniques.

**DOE-120994-A-12** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 11/24/43 *From:* L.R.

**DOE-120994-A-13** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 12/04/43 *From:* Andrew Dowdy, M.D. *To:* Dr. G. Failla. *Re:* Note on Changes in Technique.

**DOE-120994-A-14** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 03/15/44 *From:* Robert S. Stone. *To:* Dr. G. Failla. *Re: Re:* Radiation Hazards.

**DOE-120994-A-15** Reports; 1 document, 18 pages. *Source:* Department of Energy. *Date:* 05/30/44 *From:* Dr. S. Schwartz. *To:* Dr. C.J. Watson, Dr. L.O. Jacobsen, Dr. R. Stone. *Re:* Summary of Studies.

**DOE-120994-A-16** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date: From:* N/A. *To:* N/A. *Re:* Office of Scientific Research and Development Organizational Chart. *Contents:*

**DOE-120994-A-17** Correspondence; 1 document, 7 pages. *Source:* Department of Energy. *Date:* 01/27/44 *From:* S.K. Allison. *To:* W.E. Cohn. *Re:* Appendix I: Medical and Biological Importance of Radioactive Materials Produced in Piles.

**DOE-120994-A-18** Reports; 4 documents, 27 pages. *Source:* Department of Energy. *Date:* 06/01/44; 07/01/44; 08/01/44 *From:* S. Schwartz. *To:* Dr. L.O. Jacobson, cc: Dr. R.S. Stone, Dr. C.J.Watson. *Re:* Monthly Report of Clinical Research Group.

**DOE-120994-A-19** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 07/07/44 *From:* H. L. Friedell. *To:* Dr. R.S. Mulliken. *Re: Re:* Health Protection report from University of Rochester.

**DOE-120994-A-20** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 08/04/44 *From:* Robert S. Stone, M.D. *To:* R.S. Mulliken. *Re:* Circulation of Monthly CH Reports.

**DOE-120994-A-21** Reports; 4 documents, 26 pages. *Source:* Department of Energy. *Date:* 08/01/44; 09/01/44; 10/01/44; 11/01/44 *From:* J.G. Hamilton. *To:* N/A. *Re:* Progress Reports for Months of 08/01/44, 09/01/44, 10/01/44, 11/01/44 - Product Contract # W-7405-eng-48a.

**DOE-120994-A-22** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 09/09/44 *From:* W.O.Simon, Manager, Hanford Engineer Works. *To:* Dr. Robert Stone. *Re:* Inquiry about Radiation Hazards.

**DOE-120994-A-23** Correspondence; 2 documents, 5 pages. *Source:* Department of Energy. *Date:* 09/15/44; 09/01/44 *From:* K.D. Nichols/Stafford Warren. *To:* Dr. A.H. Compton. *Re:* Letter/Memorandum on "Radiation Hazards".

**DOE-120994-A-24** Correspondence; 5 documents, 8 pages. *Source:* Department of Energy (NARA Washington CIC # 714353-714456, DOE-OAK IX 714662-714727: Oak Ridge Operations Classified Documents 50 Bldg. 2714-H Vault, CIC # 714700. *Date:* 05/04/49 *From:* R. W. Cook. *To:* Lt. Col. S. J. Efnor. *Re:* Irradiation of Tantalum for RW Tests. *Contents:* ORNL can irradiate roughly 250 lbs of tantalum per month. A second memo, John H. Robertson to Albert H. Holland *Re:* RW Program, 5/18/49 notes that Oak Ridge will irradiate 250 lbs of tantalum for each of four planned Dugway tests. [CIC # 714704, ORO 1068] A third memo, John Shilling to Herman Roth *Re:* Exposure of Metallic Tantalum for RW, 5/27/49, describes arrangements between the Chemical Corps and Oak Ridge for obtaining and irradiating tantalum for RW tests. [CIC # 714702, ORO 1070] A fourth item, Albert Holland to C. [N]. Rucker *Re:* Exposure of Metallic Tantalum for RW Program, 5/31/49 confirms these arrangements. [Two copies: CIC # 714701, ORO 1069 and CIC # 714705, ORO 1073]

**DOE-120994-A-25** Correspondence; 1 document, 1 page. *Source:* Department of Energy (NARA Washington CIC # 714353-714456, DOE-OAK IX 714662-714727: Oak Ridge Operations Classified Documents 50 Bldg. 2714-H Vault, CIC # 714698. *Date:* 07/21/49 *From:* Albert H. Holland. *To:* C. N. Rucker, Executive Director, ORNL. *Re:* Irradiation of Tantalum for RW. *Contents:* Final authorization for RW test program is withheld pending review by "a special Safety Panel," of which Karl Morgan is a member. Irradiation of tantalum is correspondingly deferred.

**DOE-120994-A-26** Correspondence; 2 documents, 3 pages. *Source:* Department of Energy (NARA Washington CIC # 714353-714456, DOE-OAK IX 714662-714727: Oak Ridge Operations Classified Documents 1944-1994, 50 Bldg. 2714-H Vault, CIC # 714699. *Date:* 09/30/49 *From:* C. N. Rucker. *To:* A. H. Holland. *Re:* Irradiation of Tantalum

for RW Program. *Contents:* Confirms shipment of 312 curies (roughly 300 lbs) of tantalum to Dugway. Second document, Albert Holland to C. N. Rucker *Re:* Irradiation of Tantalum for RW, 11/7/49, requests irradiation of 275 cans (roughly 350 lbs) of tantalum to ORNL, to be irradiated to 5 curies/lb. [CIC # 714703, ORO 1071]

**DOE-120994-A-27** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 10/06/48 *From:* Robert S. Stone, M.D. *To:* Shields Warren, M.D. *Re:* [declassification of paper - *Re:* "adverse publicity"]. letter re classification

**DOE-120994-B-1** Meetings; 1 document, 104 pages. *Source:* Department of Energy (LANL XXI 714576-714582; 714583-714587(Lushbaugh Notebooks), NARA Atlanta II, 713817-714352, LANL 714457-714543 (Pions), LANL XIX 714544-714550, LANL XXII 714588-714590, LANL XXIII 714591-714593: RG 326-68A1096, Budget Accounting and Finance. *Date:* 04/03/49 *From:* NEPA Advisory Cmte. *To:* N/A. *Re:* NEPA Advisory Committee on radiation Tolerance of Military Personnel. Agenda and transcript of NEPA mtg discussing available data of effects, possible results to humans, classification policy, consent policy, and recommendations

**DOE-120994-B-2** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 04/25/57 *From:* Robert Stone. *To:* Paul Aebersold. *Re:* letter re factual inaccuracy in Aebersold article. letter to Aebersold concerning early nuclear medicine history

**DOE-120994-B-3** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 03/07/47 *From:* John Burling. *To:* Edwin Huddleson. *Re:* Clinical Testing. memo recording conversation among Staff Warren, Maj. Brundage and Burling

**DOE-121294-B-1** Reports; 1 document, 9 pages. *Source:* Department of Energy (Lawrence Berkeley Laboratory, LBL II CIC # 714739-715818, LBL III CIC # 715819-715842: Biology and Medicine Division, Donner Labs, Scientists Papers). *Date:* 11/16/62 *From:* N/A. *To:* N/A. *Re:* Report on Donner Laboratory. report on history of Donner Lab

**DOE-121294-B-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 03/15/62 *From:* Harold Bruner. *To:* John Lawrence, Hardin Jones. *Re:* I131 in infants and foetuses. letter re I131 in foetus thyroids

**DOE-121294-B-3** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy. *Date:* 04/16/48 *From:* Earl Miller. *To:* Paul Aebersold. *Re:* Request for I131. letter of request for isotopes

**DOE-121294-B-4** Reports; 1 document, 5 pages. *Source:* Department of Energy. *Date:* 02/01/48 *From:* Robert Stone. *To:* N/A. *Re:* Program and Budget Estimate for 1948-49, Project 48C. Summary of past and present work, budget estimates for coming fiscal year

**DOE-121294-B-5** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 06/02/58 *From:* Theo Miller. *To:* John Lawrence. *Re:* Iodine research at Napa State Hospital. letter re future cooperation between Donner and Napa

**DOE-121294-B-6** Correspondence; 2 documents, 4 pages. *Source:* Department of Energy. *Date:* 03/30/62 *From:* John Lawrence. *To:* HA Gross. *Re:* Prisoner studies: red cell production, marrow transfusion. letter and protocol enclosures for studies involving San Quentin prisoners

**DOE-121294-B-7** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Lawrence Berkeley Laboratory, LBL II CIC # 714739-715818, LBL III CIC # 715819-715842: Scientists Papers: John Lawrence, CIC 715159. *Date:* 04/10/69 *From:* Matthew Block. *To:* John Lawrence. *Re:* Request for Policy re Human Experimentation. letter and policy statement

**DOE-121294-B-8** Reports; 1 document, 20 pages. *Source:* Department of Energy. *Date:* *From:* John Lawrence. *To:* N/A. *Re:* History of the Donner Laboratory. Brief history and transcript of conversation between Lawrence and Dan Wilkes

**DOE-121294-B-9** Reports; 1 document, 6 pages. *Source:* Department of Energy (Lawrence Berkeley Laboratory, LBL II CIC # 714739-715818, LBL III CIC # 715819-715842: John Lawrence--Scientists Papers). *Date:* *From:* John Lawrence. *To:* N/A. *Re:* AEC Projects in Biology and Medicine at UCB. Report on accomplishments and future plans at Berkeley

**DOE-121294-B-10** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Lawrence Berkeley Laboratory, LBL II CIC # 714739-715818, LBL III CIC # 715819-715842: John Lawrence--Scientists Papers; Committee on Human Use). *Date:* 01/30/52 *From:* Hardin Jones. *To:* S. Allan Lough. *Re:* Application for General Authorization for Procurement of Radioactive Isotopes to be Used in Humans. A reply to study done by AEC Isotopes Division

**DOE-121294-C-1** Correspondence; 1 document, 8 pages. *Source:* Department of Energy. *Date:* 05/26/46 *From:* H.A. Fidler. *To:* Carroll L. Wilson. *Re:* Declassification Policy. Description and analysis of policy and regulations concerning the declassification of information.

**DOE-121294-C-2** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 06/23/47 *From:* H.A. Fidler. *To:* Carroll L. Wilson. *Re:* Declassification Policy. Memo which approves the interim report of the declassication policy

## *Appendix E*

**DOE-121294-D-1** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 04/11/45 *From:* Hymer Friedell. *To:* Louis Hempelmann. *Re: Re:* HP-12 Plutonium Injection Protocol and Future Experiments. *Contents:* Friedell transmitted with this letter the protocol for the Hp-12 injection at Oak Ridge. The protocol was not attached, but may be the document entitled "Experiment I on P. 49+4" (ACHRE No. DOE 113094-B-5).

**DOE-121294-D-2** Experiment Records; 1 document, 7 pages. *Source:* Department of Energy. *Date: From:* L. H. Hempelmann, Wright H. Langham. *To:* N/A. *Re:* Detailed Plan of Product Part of Rochester Experiment. *Contents:* This appears to be the first draft of the protocol for the Rochester plutonium injections, which was revised after a September 1945 Medical Division meeting (before the first Rochester Pu injection). It also briefly discusses the overall plan for the Rochester metabolism experiments.

**DOE-121294-D-3** Experiment Records; 1 document, 20 pages. *Source:* Department of Energy. *Date: From:* Wright Langham. *To:* N/A. *Re:* Revised Plan Of "Product" Part of Rochester Experiment. *Contents:* This is the protocol for the Rochester-Los Alamos plutonium injection experiments, decided upon at a meeting on 5 September 1945 (attended by Langham, Capt. Bryan [for Stafford Warren], and Drs. Dowdy, Bale, Fink, McKann, Bassett and Hodge).

**DOE-121294-D-4** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 03/13/46 *From:* Wright Langham. *To:* Samuel H. Bassett. *Re:* Letter *Re:* Rochester plutonium injections. *Contents:* Langham discusses Dr. Bassett's injection of the first "terminal" Rochester subject.

**DOE-121294-D-5** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/25/46 *From:* Wright Langham. *To:* Samuel Bassett. *Re:* Letter *Re:* Rochester plutonium injections and secrecy issues. *Contents:* Langham discusses the plutonium injections at Rochester, keeping information on Bassett's involvement secret , and keeping the data out of patient records.

**DOE-121294-D-6** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 02/18/47 *From:* Andrew H. Dowdy. *To:* Norris Bradbury. *Re:* Classification of the plutonium report. *Contents:* Dowdy discusses the desirability of keeping the plutonium injection report secret.

**DOE-121294-D-7** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 12/02/47 *From:* Samuel H. Bassett. *To:* William F. Bale. *Re:* Proposal of Work for Metabolism Section. *Contents:* Dr. Bassett proposes radiation injury research for the Metabolism Ward after the AEC called a halt to its activities.

**DOE-121294-D-8** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/03/47 *From:* William F. Bale. *To:* Andrew H. Dowdy. *Re:* Program of Work for Metabolism Section. *Contents:* Bale discusses future work for the Metabolism Section.

**DOE-121294-D-9** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 01/06/48 *From:* Henry A. Blair. *To:* William F. Bale. *Re:* Human Metabolism Program. *Contents:* Dr. Blair transmits Shields Warren's decision to discontinue metabolism work at Rochester.

**DOE-121294-D-10** Reports; 1 document, 33 pages. *Source:* Department of Energy. *Date: From:* Samuel Bassett. *To:* N/A. *Re:* Excretion of Plutonium Administered Intravenously to Man. Rate of Excretion in Urine and Feces with Two Observations of Distribution in Tissues. *Contents:* Draft of the 1950 report on the plutonium injections.

**DOE-121294-D-11** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/02/50 *From:* Wright H. Langham. *To:* Joe W. Howland, University of Rochester's Atomic Energy Project. *Re:* Follow-up studies with Rochester plutonium injection subjects. *Contents:* Langham discusses the principal aims of 1950 follow-up studies.

**DOE-121294-D-12** Reports; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/09/71 *From:* Patricia W. Durbin. *To:* N/A. *Re:* Report on visit to Rochester. *Contents:* Patricia Durbin's notes on a visit with Christine Waterhouse, William Newman, Newell Stannard, Joe Howland, William Bale, and Charles Yuile at University of Rochester.

**DOE-121294-D-13** Reports; 1 document, 1 page. *Source:* Department of Energy. *Date:* 12/10/71 *From:* Patricia W. Durbin. *To:* N/A. *Re:* Notes on discussion with Wright Langham. *Contents:* Patricia Durbin's notes on a telephone conversation with Wright Langham re the plutonium injections and consent.

**DOE-121294-D-14** Reports; 1 document, 21 pages. *Source:* Department of Energy. *Date:* 04/09/74 *From:* N/A. *To:* N/A. *Re:* Interview With Shields Warren -- 4/9/74: L. A. Miazga, Sidney Marks, Walter Weyzen. *Contents:* Interview with Shields Warren, former director of DBM, from the AEC's 1974 investigation of the plutonium injections.

**DOE-121294-D-15** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 05/03/74 *From:* N/A. *To:* N/A. *Re:* Interview with Dr. Leon Jacobson..by Marks and Miazga at about 1:30 pm on 4/16/74. *Contents:* Interview with Dr. Leon Jacobson, Kupferberg, Dr. John Rust, and Dr. George LeRoy for the AEC's 1974 investigation of the plutonium injections.

**DOE-121294-D-16** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 04/17/74 *From:* N/A. *To:* N/A. *Re:* Comments on Meeting with Dr. Hempelmann on April 17, 1974. *Contents:* Comments on interview with former Los Alamos Laboratory Health Division Director Louis Hempelmann for the AEC's 1974 investigation of the plutonium injections.

## *Sources and Documentation*

**DOE-121294-D-17** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 04/25/74 *From:* N/A. *To:* N/A. *Re:* Visit with Edwin R. Russell, Savannah River Plant, April 23, 1974. *Contents:* Notes on an interview with E.R. Russell (at University of Chicago during the plutonium injections) for the AEC's 1974 investigation of the plutonium injections.

**DOE-121294-D-18** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 04/25/74 *From:* N/A. *To:* N/A. *Re:* Visit with Dr. Joe W. Howland, Chapel Hill Holiday Inn, April 24, 1974. *Contents:* Notes on an interview with Joe Howland for the AEC's 1974 investigation of the plutonium injections.

**DOE-121294-D-19** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 10/25/45 *From:* Hannah Silberstein. *To:* Wright Langham. *Re:* Report on injection of HP-2. letter re second Rochester Pu injection

**DOE-121494-C-1** 1 page. *Source:* Department of Energy (ORISE: Binders). *Date:* 01/01/50 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Application For Admission To the Medical Division Hospital.

**DOE-121494-C-2** 1 page. *Source:* Department of Energy. *Date:* 01/01/67 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Consent To Experimental Treatment Form.

**DOE-121494-C-3** 1 page. *Source:* Department of Energy. *Date:* 01/01/50 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Waiver and Release Form.

**DOE-121494-C-4** 1 page. *Source:* Department of Energy. *Date:* 01/01/67 *From:* Oak Ridge Institute of Nuclear Studies. *To:* N/A. *Re:* Authorization For the Administration of Radioactive Substance Form.

**DOE-121494-D-1** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Argonne III 715843 - 715857 and Argonne IV 715858 - 715965: NARA - Washington, D.C. / ANL & U. Chicago Met Lab / Box 6 (2x-3) NN3-77-85-1, Folder: August - December 1945. *Date:* 08/09/45 *From:* Robert S. Stone, M.D. *To:* Col. H.L. Friedell. *Re:* [use of the atomic bomb]. letter re radiation hazards after nuclear explosion

**DOE-121494-D-2** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 08/09/45 *From:* Robert Stone. *To:* Hymer Friedell. *Re:* Releasing information to doctors/researchers. letter re releasing info on Manhattan District activities to doctors

**DOE-121494-D-3** Meetings; 1 document, 13 pages. *Source:* Department of Energy (Argonne III 715843 - 715857 and Argonne IV 715858 - 715965: 6(2X-2), August-December 1945. *Date:* 08/21/45 *From:* JC Warner. *To:* N/A. *Re:* reports of the Various Labs to the X-10 Projects Advisory Committee. Updates on progress of various sections at Labs

**DOE-121494-E-1** Reports; 1 document, 250 pages. *Source:* Department of Energy. *Date:* 08/01/94 *From:* Department of Energy. *To:* N/A. *Re:* Project Chariot Site Assessment and Remedial Action Final Report. *Contents:* Describes cleanup of Project Chariot studies. Provides background on USGS studies of distribution of radioactive materials on surface and in subsurface soil. Site was originally cleaned up (1963) by removing contaminated soil and segregating into a covered burial mound. Risk held minimal, but further cleanup (removal of soil) carried out in response to political concerns.

**DOE-121494-E-2** Correspondence; 1 document, 30 pages.; Reports. *Source:* Department of Energy. *Date:* 06/30/94 *From:* George N. Ahmaogak. *To:* Stephen A Mellington. *Re:* Comments on draft report on cleanup of Chariot site. *Contents:* The attached report is a review by the North Slope Borough Science Advisory Committee of the draft DOE cleanup report. The review finds that the cleanup of the Chariot waste burial mound effectively eliminated all contaminated soil from the site. However, it notes that residents are concerned that there may be more than just one mound. The review therefore recommends further soil surveys and education efforts

**DOE-121594-A-1** Correspondence; 2 documents, 4 pages. *Source:* Department of Energy (DOE Archives, 326 AEC, DBM/5061132: Box 3363, Organization & Management, Project Gabriel, 1949-50. *Date:* 11/10/49 *From:* NAME DELETED, USAF. *To:* Mr S. C. Seblemmer, Manager, Hanford Operations Office; Commander, Military Air Transport Service. *Re:* No title. *Contents:* These memos describe implementation of plans made at a conference at Hanford on 25 October, 1949. The planned date for this implementation is November 26, 1994. Lt. W. E. Harlan of the Air Weather Service was to operate a C-47 aircraft, currently engaged in research activities at Hanford, with equipment for monitoring radioactivity in various ways, including the collection of iodine.

**DOE-121594-C-1** 16 pages. *Source:* Department of Energy. *Date:* 11/10/49 *From:* Joint office of test information. *To:* N/A. *Re:* Public Health and Safety Precautions for Eniwetok tests Announced.

**DOE-121594-C-2** Reports; 1 page. *Source:* Department of Energy. *Date:* 02/24/53 *From:* Lt. Col. Young. *To:* N/A. *Re:* Troop Participation in Exercise Desert Rock V.

**DOE-121594-C-3** Correspondence, 2 pages. *Source:* Department of Energy. *Date:* 01/26/53 *From:* Col. H. C. Donnelly, USAF. *To:* Assistant Chief of Staff, G-3. *Re:* Troop Participation in Exercise Desert Rock V.

**DOE-121594-C-4** Reports;; 18 pages. *Source:* Department of Energy. *Date:* 03/15/52 *From:* Col. Bictor Byrnes, USAF (MC). *To:* N/A. *Re:* Operation Buster Project 4.3 Flash Blindness.

**DOE-121594-C-5** Reports; 87 pages. *Source:* Department of Energy. *Date:* 01/01/52 *From:* Lt. Col. Paul Fackler. *To:* N/A. *Re:* Technical Air Operations, Operation BusterJangle.

**DOE-121594-C-6** Reports. *Source:* Department of Energy. *Date:* 11/04/53 *From:* Roy Snapp. *To:* N/A. *Re:* Sheep Losses Adjacent to the Nevada Proving Grounds, Report by the Director of Biology and Medicine.

**DOE-121594-C-7** Reports. *Source:* Department of Energy. *Date:* 10/01/55 *From:* Major Connie Laino. *To:* N/A. *Re:* History of Task Group 7.4, Provisional.

**DOE-121594-C-8** Correspondence. *Source:* Department of Energy. *Date:* 01/08/53 *From:* M. W. Boyer, General Manager AEC. *To:* Major General Loper, Chief AFSWP. *Re:* No title.

**DOE-121594-C-9** Reports; 5 pages. *Source:* Department of Energy. *Date:* 05/08/56 *From:* Col. Samuel. *To:* Press. *Re:* Press Briefing for Operation Redwing.

**DOE-121594-C-10** Reports, 6 pages. *Source:* Department of Energy. *Date:* 05/08/56 *From:* Brig Gen Griffith. *To:* N/A. *Re:* VIP Briefing, Operation Redwing.

**DOE-121594-C-11** Reports. *Source:* Department of Energy. *Date:* *From:* Col. Samuel. *To:* N/A. *Re:* VIP Briefing.

**DOE-121594-C-12** Reports. *Source:* Department of Energy. *Date:* 09/18/51 *From:* Major General Kean. *To:* HQ III Corps, Fort MacArthur California. *Re:* Exercise Desert Rock I Report.

**DOE-121594-C-13** Reports. *Source:* Department of Energy. *Date:* 08/01/52 *From:* Elmer Engquist. *To:* N/A. *Re:* Evaluation of the Potential Respiratory Hazard to Tank Crews required to Operate in Contaminated Areas. *Contents:* "The objective of this investigation was to assess the inhalation hazard to armored vehicles crews during the exposure to an underground and surface detonation of an atomic weapon and during operation, following the detonation, of the armored vehicles within the contaminated area resulting from fall-out." "The activity level measured exceeded the standards for eith hour exposure by a factor of 10 to 380. There is thus a potential respiratory hazard during the initial 24 hour period to armored vehicle crews not wearing protective masks."

**DOE-121594-C-14** Reports. *Source:* Department of Energy. *Date:* 08/01/52 *From:* John Hendrickson. *To:* N/A. *Re:* Project 6.3-1 Evaluation of Military Individual and Collective Protection devices and Clothing. *Contents:* "Men walking, crawling, and riding in armored vehicles passed through the contaminated areas produced by both the surface and underground detonations. The clothing worn included coveralls drawers, undershirts, socks, gloves and boots; either impregnated or plain. Four hours after the surface detonation, eight teams of men worked for a perod of one hour in the contaminated areas (Fig. 1.5). Five days after the underground detonation, one team walked and one team walked and crawled through the 10 to 500 milliroentgen per hour area (Fig. 1.6), downwind from Ground Zero. The walking team traveled approximately 1/2 mile in 1/2 hour. The wlking and crawling team crawled ten yards in the 300 milliroentgen per hour zone. At 25-1/2 hours after the surface detonation, crewmen wearing Class I protective clothing entered the two M26 tanks and drove through the contaminated area."

**DOE-121594-C-15** Reports. *Source:* Department of Energy. *Date:* 05/01/53 *From:* N/A. *To:* N/A. *Re:* Exposure of DOD Personnel Participating in Spring 1953 Tests at Nevada Proving Grounds. *Contents:* Lists the exposures of all DOD personnel. Letters which follow document over exposures.

**DOE-121594-C-16** Correspondence. *Source:* Department of Energy. *Date:* 09/27/54 *From:* W. E. Ogle, Alternate Division Leader-J. *To:* J. C. Clark, Associate Division Leader-J. *Re:* Exposure levels. *Contents:* "'It is requested that these teams be allowed the maximum overall exposure of 15r as allowed on Operation Castle due to operational requirements.' This statement as far as Castle is concerned is completely wrong. The teams were allowed 3.9r as everyone else in 7.1. What you do here of course, is u to you but I would like to be sure that you know that there s no precedent on Castle for their request."

**DOE-121594-C-17** Correspondence. *Source:* Department of Energy. *Date:* 02/06/53 *From:* Col. H. C. Donnelly, Cheif of Staff AFSWP. *To:* Brigadier General K. E. Fields, Dir. of Military Application AEC. *Re:* No title. *Contents:* Agrees to the amendments the AEC proposed to DOD, suggests changes in the proposed statement for public releases.

**DOE-121594-C-18** Publications. *Source:* Department of Energy. *Date:* 04/01/53 *From:* Lyle B. Borst. *To:* N/A. *Re:* "Nevada Weapons Test". *Contents:* Reporter's description of a weapons test.

**DOE-121594-C-19** Reports. *Source:* Department of Energy. *Date:* 03/01/53 *From:* N/A. *To:* N/A. *Re:* Operation Upshot-Knothole, Project 4.5 Ocular Effects of Thermal Radiation From Atomic Detonation-Flashblindness and Chorioretinal Burns.

**DOE-121594-C-20** Reports. *Source:* Department of Energy. *Date:* 01/01/53 *From:* AEC. *To:* N/A. *Re:* Background Information on Continental Nuclear Tests.

**DOE-121594-C-21** Correspondence. *Source:* Department of Energy. *Date:* 08/18/51 *From:* W. McK. ?. *To:* The Chairman, AEC. *Re:* "Attendance of Military Personnel at Atomic Weapons Tests".

## *Sources and Documentation*

**DOE-122194-A-1** Meetings; 1 document, 1 page.; Reports. *Source:* Department of Energy. *Date:* 02/24/53 *From:* George V. LeRoy. *To:* Committee Members. *Re:* Minutes of the Radioisotopes Committee Meeting. Minutes of the Radioisotopes Committee meeting where they discussed several cases and debated dose amounts

**DOE-122194-A-2** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* *From:* W.F. Bethard. *To:* Radioisotopes Committee. *Re:* Permission to Administer. A letter asking the committe for permission to inject patients with radioisoptopes

**DOE-122194-A-3** Meetings; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 11/03/53 *From:* George V. LeRoy. *To:* Radioisotopes Committee Members. *Re:* Minutes of Meeting of 11/3/53. The minutes of the radioisotopes committee meeting at the Univeristy of Chicago

**DOE-122194-B-1** Reports; 1 document, 170 pages. *Source:* Department of Energy (Oak Ridge Operations Classified Documents 1944-94: RHTG 276 Bldg. 2714-H Vault, ORNL 341. *Date:* 04/13/49 *From:* Francis J. Davis. *To:* N/A. *Re:* An Aerial Survey of Radioactivity Associated With Atomic Energy Plants. *Contents:* This document describes air sampling activities at Oak Ridge and Los Alamos in the winter and spring of 1948-1949. The 20 sampling missions at Oak Ridge ranged from November 17, 1948 to February 8, 1949, and used operational sources from the air-cooled Buffalo Ridge reactor (500 curies/day of argon-41) and the chemical separation plant, which dissolved 150 lbs of irradiated fuel cooled only 5 days, releasing 2500 curies of xenon-133 and 1300 curies of iodine-131 per batch. The aircraft, equipped with a variety or radiation-detection devices, detected the effluent at a range of up to 15 miles. The mission then moved to Hanford, where a typical batch of irradiated fuel was larger but was cooled substantially longer, so the predominant gas was roughly 90 curies of krypton-85. The aircraft were unable to detect this effluent at a range of more than 2 miles. A further declassified portion released by Oak Ridge includes references to AFOAT-1 Project W/58/N/WB (ACHRE Accession DOE-011195-B ).

**DOE-122294-A-1** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 05/31/46 *From:* Joe Hamilton, Robert Stone. *To:* N/A. *Re:* Medical applications of radiation. report on possibilities for treatment using neutron or proton rays and radioactive material

**DOE-122294-A-2** Meetings; 1 document, 3 pages. *Source:* Department of Energy (Bancroft Library: John Lawrence Collection). *Date:* 10/03/57 *From:* John Lawrence. *To:* American Cancer Society. *Re:* Health Hazards of Radiation. transcript of Lawrence's comments at ACS meeting

**DOE-122294-A-3** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Bancroft Library: John Lawrence collection, frame 9082. *Date:* 07/19/46 *From:* Joe Hamilton. *To:* John Fulton. *Re:* Suggestions for "Peacetime Implications of Wartime Medical Discoveries". letter re suggestions for article

**DOE-122794-B-1** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (LBL: Scientists Papers-John Lawrence, AEC-1952. *Date:* 06/03/52 *From:* John Lawrence. *To:* GE Cartwright. *Re:* Iron turnover and consent policy. letter of response re Fe turnover studies and consent policy

**DOE-122794-B-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (LBL: Scientists Papers-John Lawrence). *Date:* 11/25/52 *From:* John Lawrence. *To:* Charles Dunham. *Re:* progress of metabolic unit. letter re update on metabolic unit

**DOE-122994-A-1** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 09/30/41 *From:* SH Conner. *To:* John Lawrence. *Re:* Treatment using radiophosphorus. letter re treatment using P32

**DOE-122994-A-2** Reports; 3 documents, 156 pages. *Source:* Department of Energy. *Date:* 02/28/63 *From:* Carl Heller. *To:* N/A. *Re:* Effects of Ionizing Radiation on the Testicular Function of Man. original proposal and fifth and 9th yearly updates

**DOE-011195-B-1** Reports; 1 document, 30 pages. *Source:* Department of Energy. *Date:* 05/10/43 *From:* Robert Stone. *To:* N/A. *Re:* Health, Radiation, and Protection. report covering health division responsibility, problems, etc. and detailed program summaries

**DOE-011895-B-1** Reports; 1 document, 10 pages. *Source:* Department of Energy. *Date:* 03/04/49 *From:* Isotopes Division. *To:* General manager. *Re:* Present and Future Scope of Isotope Distribution Program. report outlining scope and function of isotope division

**DOE-011895-B-3** Reports; 1 document, 72 pages. *Source:* Department of Energy. *Date:* 09/30/76 *From:* Mavis Rowley. *To:* N/A. *Re:* Effect of Graded Doses of Ionizing Radiation on the Human Testis. progress report and appendices

**DOE-012595-B-1** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Germantown, DBM: Box 3359, Folder 16. *Date:* 05/04/50 *From:* Shields Warren. *To:* Franklin C. McLean. *Re:* Biomedical and Medical Aspects of RW. *Contents:* Outlines work to be performed at University of Chicago Toxicology Lab with 350,000 annually provided by the AEC Division of Military Application: (1) studies on protactinium, (2) continuous exposure studies on large animals up to lethality, and (3) screening agents claimed to be useful in combating radiation sickness. "It is my understanding that there is not likely to be any animal research testing at Dugway in the near future."

DOE-012595-B-2 Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Germantown, RG 326, DBM: box 3359, folder 7. *Date:* 04/12/48 *From:* Walter Williams. *To:* AH Waitt. *Re:* tox effects of fission products. *Contents:* letter

**DOE-012595-B-3** Correspondence; 1 document, 2 pages. *Source:* Department of Energy ( RG 326, DBM, Germantown: Box 3359, folder 7. *Date:* 02/06/50 *From:* Frank McLean. *To:* Chief, Chem Corps. *Re:* RW Animal Facilities at CEBAR. *Contents:* memo

**DOE-012595-B-4** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (RG 326, DBM, Germantown: box 3359, folder 7. *Date:* 02/08/50 *From:* Frank McLean. *To:* Shields Warren. *Re:* agreements on responsibilities. *Contents:* letter

**DOE-012595-B-5** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (RG 326, DBM, Germantown: box 3359, folder 7. *Date:* 05/15/50 *From:* Frank McLean. *To:* Shields Warren. *Re:* RW future. *Contents:* letter

**DOE-012595-B-6** Correspondence; 1 document, 1 page. *Source:* Department of Energy (RG 326, DBM, Germantown: box 3359, folder 7. *Date:* 05/05/50 *From:* A Tammaro. *To:* John Derry. *Re:* Tox Lab. *Contents:* memo

**DOE-012795-C-1** Meetings; 1 document, 48 pages. *Source:* Department of Energy (no CIC numbers: RG 326, Division of Biology and Medicine, ACBM Minutes/3218. *Date:* 01/01/48 *From:* N/A. *To:* N/A. *Re:* Advisory Committee on Biology and Medicine Trascript excerpt. transcript (partial) of meeting re risk/benefit for human testing

**DOE-012795-C-2**. Meetings; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 04/03/49 *From:* Advisory Committee on Radiation Tolerance. *To:* N/A. *Re:* Agenda. Agenda for Advisory Committe on Radiation Tolerance Meeting

**DOE-020795-B-1** Correspondence; 3 documents, 15 pages. *Source:* Department of Energy. *Date:* 10/09/47 *From:* John Derry. *To:* Walter Williams. *Re:* Establishing Criteria for Proper Classification of Information. A memo that suggests criteria for classification of research

**DOE-020795-D-1** Correspondence; 7 documents.; Reports. *Source:* Department of Energy. *Date:* 03/10/58; 12/12/60 *From:* Wright Langham. *To:* Glen A. Graves. *Re:* H - Division Proposals for KIWI-A Test Operations. *Contents:* 1. Memo/report: from Wright Langham to Glen A. Graves of N-2. H - Division Proposals for KIWI-A Test Operations." 3/10/58. *Re:* lists/describes the tests that will be conducted at the KIWI-A test by the H - Division and their costs, such as: Neutron Measurements Using Foil Systems, Integrated Fast Neutron and Gamma Ray Dose Measurements Using Chemical Dosimeters, Particle Air Sampling, Gas Sampling, and Gas Sampling. 2. Memo: from T.L. Shipman, 3/12/58. "H-Division Participation in N-Division Tests." *Re:* Safety concerns of the upcoming KIWI-A tests for H-Division workers. 3. Memo: from Shipman to N.E. Bradbury, 9/28/60. "H-Division Participation in Rover Tests." *Re:* Discussing the accomplishments of the KIWI-A prime test. 4. Memo: from Thomas Shipman to Payne Harris, 11/4/60. "Continuing H-Division Participation in the Rover Program." *Re:* debates safety problems encountered in first KIWI test and states that continued participation is needed to "lick the safety problems." 5. Memo: from Bradbury to Shipman and his colleagues. 12/5/60. "Rover Flight Safety Program." *Re:* establishment of "Rover Safety Czar," and other various directives. 6. Memo: from Shipman to H-Division Group Leaders. 12/1/60. *Re:* to announce the birth of a new group "H-8 " "that will be concerned exclusively with problems related to tests in Nevada." 7. Memo/report: from Payne Harris to Shipman. 12/12/60. "Proposals in Connection with the Establishment of Group H-8." *Re:* proposed functions of the group, members, responsibilities, and costs.

**DOE-020795-D-2** Correspondence; 1 document, 3 pages. *Source:* Department of Energy. *Date:* 12/05/56 *From:* Thomas L. Shipman. *To:* Charles L. Dunham. *Re:* No title.

**DOE-020795-D-3** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 09/18/63 *From:* T.L. Shipman. *To:* Vincent C. Vespe. *Re:* AEC'S Feasibility Study Concerned with Health and Radiation Exposure.

**DOE-020795-D-4** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (LANL: TR-6704 Box 236, 18. *Date:* 07/16/54 *From:* Gordon M. Dunning. *To:* Thomas L. Shipman. *Re:* Bayo Canyon worker blood changes. *Contents:* Refers to paper "Further Study of Hematological Changes in Humans Chronically Exposed to Low Level Gamma Radiation," LA-1440 by Robert Carter. Also Shipman to Dunning, 7/21/54 states that "we are satisfied that the changes in counts are actual and not imaginary. It is our belief, however, that they don't mean anything; if they do mean anything, we don't know what it is."

**DOE-020795-D-5** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (LANL: TR-6704 Box 239, 6. *Date:* 03/11/59 *From:* Thomas L. Shipman. *To:* Norris E. Bradbury. *Re:* Bayo Canyon. *Contents:* Discusses restrictions on Bayo Canyon test procedures due to increasing residential construction in nearby areas.

**DOE-020795-D-6** Correspondence; 1 document, 17 pages. *Source:* Department of Energy (LANL TR-6704: 236, G-3, 39. *Date:* 01/20/50 *From:* Wright Langham. *To:* Shields Warren. *Re:* Radiation Tolerances Proposed by the Chalk River Permissible Dose Conference of September 29-30, 1949. *Contents:* Langham presents scientific arguments as to why the MPPB's proposed by the Chalk River Conference would be too conservative, and economic arguments for why such standards would not be in the AEC's best interest.

## *Sources and Documentation*

**DOE-021095-B-1** Correspondence; 3 documents, 4 pages. *Source:* Department of Energy (Los Alamos National Lab: G3 B242, No.: 27 -- Hematology. *Date:* 03/11/54 *From:* Thomas L. Shipman. *To:* Roy E. Albert. *Re:* Blood counts of workers. *Contents:* Describes frequency of blood counts for workers exposed to ionizing radiation. Also Robert S. Grier to R Lowry Dobson, 3/8/42. Shipman to Keith P. Anderson, Chief, RW Laboratory Division, Dugway, 11/16/51: Most workers have counts every year, but those with highest exposures have counts "as frequently as every two weeks. This latter group we regard rather as a study group in which we are particularly interested; we certainly do not feel that the frequent counts do anything to potect them. So far we have seen nothing which would indicate to us that an individual is getting too much exposure."

**DOE-021095-B-2** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (Los Alamos National Lab: G3 B242, 27 -- Hematology. *Date:* 02/07/50 *From:* T. N. White. *To:* Harry O. Whipple. *Re:* Preliminary Draft of Bayo Hematology Paper. *Contents:* Argues that data show a definite blood count difference between workers and controls, but that these effects are small and the data are confusing in some ways. Also T. L. Shipman to Drs. Norman Knowlton and Robert Carter, 2/16/49, Analysis of Q Building Blood Counts. Notes that only Bayo chemists displayed significant blood changes. Also R. E. Carter to T. L. Shipman, 2/11/49, Analysis of Q Building Blood Counts for December 1948. Missing is Carter to Shipman, 2/3/50, re preliminary draft, listed in Miriam's notes, but not found in accession.

**DOE-021095-B-3** Publications; 1 document, 1 page. *Source:* Department of Energy (Los Alamos National Lab: Records of J-DO, A-91-048. *Date:* 01/16/65 *From:* Murray Marder. *To:* N/A. *Re:* Fuss Blows Up on Reactor Blow-Up. *Contents:* Describes reaction to Kiwi-TNT test and complaints that it may have violated the atmospheric test ban treaty

**DOE-021095-B-4** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Los Alamos National Lab: TR-6704/G3 B242, 7 radioisotopes. *Date:* 10/05/49 *From:* Paul C. Aebersold, Chief, Isotopes Division, Oak Ridge. *To:* Carroll L. Tyler, Manager, Los Alamos. *Re:* Use of Radioisotopes in Human Subjects.

**DOE-021095-B-5** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Los Alamos National Lab: TR-6704/G3 B237, 26 LAMC. *Date:* 06/23/50 *From:* Dr. William Natoli. *To:* Dr. Eric Hausner. *Re:* Permission to Carry out a Research Problem on Placental Localization by the Use of Radioactive Substances.

**DOE-021095-B-6** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Los Alamos National Lab: TR-6704/G3 B242, 15 low level counting. *Date:* 04/06/61 *From:* Ernest C. Anderson. *To:* George L. Voelz, Chief, Medical Services Branch, Health and Safety Division, Idaho Operations Office. *Re:* Re - Policies for counter calibration using human volunteer subjects.

**DOE-021095-B-7** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Los Alamos National Lab: TR-6704/G3 B242, 15 low level counting. *Date:* 06/16/60 *From:* T.L. Shipman, M.D., Health Division Leader. *To:* N.E. Bradbury, Director. *Re:* Human Counter No. 1.

**DOE-021095-B-8** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos National Lab: TR-6704/G3 B242, 15 low level counting. *Date:* 06/20/60 *From:* T.L. Shipman, M.D., Health Division Leader. *To:* N.E. Bradbury, Director. *Re:* Human Counter #1. *Contents:*

**DOE-021095-B-9** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos National Lab: TR-6704/G3 B242, 15 low level counting. *Date:* 03/25/58 *From:* W. Tyler Aldrich [for the Assistant Director for Classification and Security. *To:* D.P. Dickason, Chief, Security Branch. *Re:* Human Counter Operations.

**DOE-021095-B-10** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Los Alamos National Lab: ARC/box A-89-118, 3-6. *Date:* 03/20/50 *From:* Charles H. Perry, Associate Leader, Radiologic Safety Group, Health Division. *To:* Dr. K.Z. Morgan, Chairman, Subcommittee Permissible Internal Dose. *Re:* Air and Water MPC's for Pu239.

**DOE-021095-B-11** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos National Lab: ARC/A-89-118, 3-6. *Date:* 07/31/45 *From:* Hymer Friedell, Stafford Warren, Robert Stone, John Wirth. *To:* files. *Re:* Tolerance Level.

**DOE-021095-B-12** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Los Alamos National Lab: ARC/A-89-118, 3-6. *Date:* 05/11/45 *From:* Hymer Friedell. *To:* files. *Re:* Comment on Tolerance Values for Radium and Product.

**DOE-021095-B-13** Correspondence; 2 documents, 3 pages. *Source:* Department of Energy (Los Alamos National Lab: TR-6704/G3 B237, 26 LAMC. *Date:* 12/18/51; 12/19/51 *From:* C.C. Lushbaugh and W.R. Oakes/ T.L. Shipman. *To:* Executive Committee, Medical Staff, Wright Langham/Executive Committee, Medical Staff. *Re:* Joint Research Project/Research Project Concerning Beta Radiation on Human Skin.

**DOE-021095-B-14** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Los Alamos National Lab: A-91-048, 113-9. *Date:* 02/01/55 *From:* James Reeves, Test Manager. *To:* "To Each Test Participant". *Re:* [purpose of operation].

**DOE-021095-B-15** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos National Lab: TR-6704/G3 B237, 3 LASL policy. *Date:* 04/12/48 *From:* A.E. Dyhre, Business Manager. *To:* Louis Hempelmann, M.D., Acting Division Leader, H Division. *Re:* Transmittal of Medical Histories.

**DOE-021695-A-1** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 07/16/58 *From:* Karl Morgan. *To:* William Sweet. *Re:* Boston Project discussion/uranium distribution, excretion. Morgan expresses his appreciation for Sweet's work and calls for more study

**DOE-022195-A-1** Meetings; 1 document, 104 pages. *Source:* Department of Energy (Records Holding Area: ORO Records Holding Area RHTG box # 215 (HRE box # 45), doc # 42,745. *Date:* 01/28/49 *From:* N/A. *To:* N/A. *Re:* NEPA # 6 Board of Consultants Meeting. *Contents:*

**DOE-022195-A-2** Correspondence; 1 document, 3 pages. *Source:* Department of Energy (Records Holding Area: RHTG box # 117, doc # 53,071. *Date:* 05/23/44 *From:* G. Failla. *To:* Col. Stafford Warren. *Re:* letter "Neutron Dosage" Project.

**DOE-022195-A-3** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Records Holding Area: RHTG box # 117, doc # 53,078. *Date:* 11/17/44 *From:* Joe Howland. *To:* District Engineer, Manhattan District. *Re:* Toxicity of P-536.

**DOE-022195-A-4** Correspondence; 2 documents, 28 pages. *Source:* Department of Energy (Records Holding Area: RHTG box # 214 (HRE box # 189), doc # 36,609. *Date:* 04/28/50; 04/26/50 *From:* Merril Eisenbud, Director, Health and Safety Division. *To:* F.W. Belmore, Director, Production Division. *Re:* Middlesex - 1 Report.

**DOE-022195-A-5** Reports; 1 document, 50 pages. *Source:* Department of Energy (Records Holding Area: RHTG box # 214, HRE box # 189, RHTG doc # 36,608. *Date:* 06/13/52 *From:* Alfred J. Breslin. *To:* N/A. *Re:* Middlesex Sampling Plant - Occupational Exposure to Radioactive Dust.

**DOE-022195-A-6** Reports; 1 document, 4 pages. *Source:* Department of Energy (Records Holding Area: RHTG box # 214, HRE box # 189, RHTG doc # 35,131. *Date:* 07/11/49 *From:* Dr. Clarence Larson. *To:* N/A. *Re:* One Chapter fo the Weapons Production Story.

**DOE-022195-A-7** Meetings; 1 document, 3 pages. *Source:* Department of Energy (Records Holding Area: RHTG box # 140, HRE box # 37, RHTG doc # 68,525. *Date:* 09/21/48 *From:* Oak Ridge National Laboratory Research Council. *To:* N/A. *Re:* Minutes of Laboratory Research Council - September 15, 1948.

**DOE-022195-D-1** Experiment Records; 1 document, 10 pages. *Source:* Department of Energy (Idaho Operations Office: T070043, T070239. *Date:* 01/01/70 *From:* C. A. Pelletier. *To:* N/A. *Re:* Controlled Environmental Release Tests. p. 2 describes the primary purpose, understanding the effects in the environment of radionuclides from the nuclear industry. p. 3 notes the relationship to other reactor safety programs and to Plowshare.

**DOE-022195-D-2** Correspondence; 1 document, 4 pages. *Source:* Department of Energy (Idaho Operations Office: T070043, T070242. *Date:* 02/04/65 *From:* Clyde A. Hawley. *To:* W. P. Gammill. *Re:* Trip Report -- Lawrence Radiation Laboratory (Livermore). Discussed results of CERT tests. "The opinion of the panel that . . . the most significant results should come from the CERTLE (closed chanber) experiments . . . ." (p. 3)

**DOE-022395-C-1** Reports; 1 document, 60 pages. *Source:* Department of Energy (Los Alamos National Labs: TR-5787, E7 B39. *Date:* *From:* Payne S. Harris. *To:* N/A. *Re:* Interim Repoort on Program 460 Activities Concerning Kiwi-A. *Contents:* Program 460 of Project 400 was the environmental effects and monitoring part of the Kiwi nuclear rocket test seriesl.

**DOE-030195-A-1** Meetings; 1 document, 55 pages. *Source:* Department of Energy. *Date:* 05/22/51 *From:* N/A. *To:* N/A. *Re:* Notes on Meeting to Consider Feasibility and Conditions for..Operation Windsquall. transcript of ad hoc committee meeting discussing problems of holding continental test

**DOE-030195-B-1** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos National Labs: MMES/X-10/Vault; CF-49-8-111). *Date:* 08/08/49 *From:* LR Michener. *To:* ORO. *Re:* RaLa disclosures.

**DOE-030195-B-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (Los Alamos National Labs: mmes/x-10/vault; boc cf-49-1-259). *Date:* 01/25/49 *From:* Albert Holland. *To:* CN Rucker. *Re:* Production of Materials for RW.

**DOE-030395-A-1** Correspondence; 8 documents.; Reports. *Source:* Department of Energy (DOE/HQ XII 718596 - 718924, DOE/HQ DBM 718925 - 719082: CIC # 718597 - 718598). *Date:* 04/18/70; 12/03/70 *From:* N/A. *To:* N/A. *Re:* Proposed Survey of Plutonium in Soils and in Air at Bikini Atoll.

**DOE-031095-B-1** Experiment Records; 1 document, 7 pages.; Reports. *Source:* Department of Energy. *Date:* 03/09/95 *From:* Human Studies Project Team. *To:* N/A. *Re:* The Bayo Canyon/Radioactive Lanthanum (RaLa) Program.

## *Sources and Documentation*

*Contents:* This updated historical report on the RaLa program includes * general information on the tests and the site,* a discussion of the air force experiments tracking the clouds * discussions of off-site radiological safety considerations* information on the historical and dose reconstructions* a table of RaLa shots, with descriptive information where available.

**DOE-032095-A-1** Reports. *Source:* Department of Energy. *Date: From:* AEC Director of Information Services. *To:* N/A. *Re:* Publication of the Non-Secret Results of AEC Supported Research.

**DOE-032095-A-2** Reports. *Source:* Department of Energy. *Date: From:* Walter Claus, R. L. Butenhoff. *To:* N/A. *Re:* Uranium Mining Hazards. *Contents:* "Radiation Safety Recommendations and Control; Hazards Related to Uranium Mining," "Hazards Related to Reactor and Chemical Processing; Ecological Problems Related to Reactor Operation," "Radioactive Isotopes in Research"

**DOE-032095-A-3** Correspondence. *Source:* Department of Energy. *Date:* 02/13/59 *From:* C. L. Dunham, James Wolf, L. K. Olson. *To:* N/A. *Re:* Uranium Miner Exposure. *Contents:* momoranda

**DOE-032095-A-4** Correspondence. *Source:* Department of Energy. *Date:* 03/05/59 *From:* Peter van Santen, Thomas Ely. *To:* N/A. *Re:* Uranium miners.

**DOE-032095-A-5** Reports. *Source:* Department of Energy. *Date:* 03/06/59 *From:* W. B. McCool. *To:* N/A. *Re:* Employee Radiation Hazards and Workmen's Comp.

**DOE-032095-A-6** Correspondence. *Source:* Department of Energy. *Date:* 03/19/59 *From:* Richard Donovan. *To:* McCone, Willard Libby, Harold Vance, John Graham, John Floberg, A. R. Luedecke. *Re:* Radiation Hazards and Workmen's Comp.

**DOE-032095-A-7** Reports. *Source:* Department of Energy. *Date:* 04/15/50 *From:* Robert Stone. *To:* N/A. *Re:* Biological Effects of Radiation from External and Internal Sources.

**DOE-032095-A-8** Correspondence. *Source:* Department of Energy. *Date:* 11/07/55 *From:* Curtis Nelson, Roy Albert. *To:* Charles Dunham. *Re:* Health Regulations in Mines and Mills of the Colorado Plateau.

**DOE-032095-A-9** Reports. *Source:* Department of Energy. *Date: From:* N/A. *To:* N/A. *Re:* Plutonium Toxicity.

**DOE-032095-A-10** Correspondence. *Source:* Department of Energy. *Date:* 02/03/58 *From:* Charles van Cleave. *To:* H. D. Bruner. *Re:* Visit to Dr. Lee Far at Brookhaven.

**DOE-032095-A-11** Reports. *Source:* Department of Energy. *Date:* 09/30/50 *From:* AEC Director of Information Service. *To:* N/A. *Re:* Publication of the Non-Secret Results of AEC Supported Research.

**DOE-032095-A-12** Reports. *Source:* Department of Energy. *Date: From:* AEC. *To:* N/A. *Re:* Tumbler-Snapper Information Plan.

**DOE-032095-A-13** Correspondence. *Source:* Department of Energy. *Date:* 08/21/53 *From:* Shelby Thompson. *To:* H. C. Baldwin, J. C. Bugher. *Re:* Infomrmation Guidance on Any Experiment Involving Human Beings.

**DOE-032095-A-14** Reports. *Source:* Department of Energy. *Date:* 04/01/58 *From:* Dunham, Shilling, Western, Wolfe. *To:* N/A. *Re:* A Discussion of Project Sunshine.

**DOE-032095-A-15** Reports. *Source:* Department of Energy. *Date:* 03/29/57 *From:* N/A. *To:* N/A. *Re:* Methods of Estimating the Medical Exposure to Ionizing Radiation.

**DOE-032095-A-16** Reports. *Source:* Department of Energy. *Date: From:* V. P. Bond, E. P. Cronkite. *To:* N/A. *Re:* The Effects of Gamma Rays and Fast Neutrons From the Atomic Weapon on Large Animals and Man.

**DOE-032095-A-17** Reports. *Source:* Department of Energy. *Date:* 04/05/60 *From:* N/A. *To:* N/A. *Re:* Air Staff Comments on Report of the Ad Hoc Committee to Evaluate the Radiobiology Program of the USAF.

**DOE-032095-A-18** Correspondence. *Source:* Department of Energy. *Date:* 04/07/59 *From:* John Bonner, Assistant Chief, Medical Research Branch, DBM. *To:* files. *Re:* Visit to University of Rochester, Atomic Energy Project, 4/4/59.

**DOE-032095-A-19** Meetings. *Source:* Department of Energy. *Date:* 04/14/59 *From:* James Haggerty. *To:* N/A. *Re:* Visit With Dr. William Sweet at Massachusetts General Hospital, March 30, 1959.

**DOE-032095-A-20** Correspondence. *Source:* Department of Energy. *Date:* 11/17/47 *From:* Shields Warren. *To:* Edward Boris, President, AMA. *Re:* advice on talk on radioisotopes.

**DOE-032095-A-21** Correspondence. *Source:* Department of Energy. *Date:* 12/15/47 *From:* David Lilienthal. *To:* B. B. Hickenlooper. *Re:* AEC's cancer research program.

**DOE-032095-A-22** Reports. *Source:* Department of Energy. *Date:* 01/21/48 *From:* Director of DBM. *To:* N/A. *Re:* A Plan for a Cancer Research Program for the Atomic Energy Commission.

**DOE-032095-A-23** Correspondence. *Source:* Department of Energy. *Date:* 08/26/49 *From:* Karl Compton. *To:* David Lilienthal. *Re:* Armed Forces Policy Council.

**DOE-032095-A-24** Publications. *Source:* Department of Energy. *Date:* 12/31/56 *From:* N/A. *To:* Joint Committee on Atomic Energy. *Re:* Program Status Report.

## *Appendix E*

**DOE-032095-A-25** Publications. *Source:* Department of Energy. *Date:* 12/31/58 *From:* N/A. *To:* Joint Committee on Atomic Energy. *Re:* Program Status Report.

**DOE-032095-A-26** Correspondence. *Source:* Department of Energy. *Date:* 07/10/59 *From:* James Haggerty, DBM. *To:* N/A. *Re:* Visit Report to Massachusetts General Hospital.

**DOE-032195-B-1** Correspondence; 1 document, 1 page. *Source:* Department of Energy (DOE/HQ XV CIC # 720694 - 721237: RG 326, DBM, Box 3365). *Date:* 06/30/54 *From:* Walter Claus. *To:* Joe Hamilton. *Re:* I131 uptake and playing down rumors. letter re I131 fallout

**DOE-032995-A-1** Meetings; 1 document, 7 pages. *Source:* Department of Energy (DOE/Oak ridge XVIII 721262 - 721404, INEL V 721405 - 721418: Oak Ridge Operations, CIC 721268 . *Date:* 07/02/48 *From:* John Shilling. *To:* File. *Re:* Meeting Notes on Radiological Warfare Conferences, June 28 & 29. *Contents:* Meeting between representatives of the Noyes Panel and Oak Ridge officials on the Oak Ridge role in the radiological warfare program. * the two Oak Ridge field measurement tests are described.* Emlet: "Aebersold should not worry that the irradiation of tantalum would crowd his business out since we would need only thirdy days to make the sources." * Rucker: "Oak Ridge will cooperate and help out in any way they possibly can and will take on work which will not interfere with the major program of the Laboratory." * Weinberg argues that the main concern is defensive RW, and proposes giving 10,000 "pocket screamer" radiation alarms to police stations around the country. * Conclusion that Oak Ridge would be better for tantalum production than Hanford.

**DOE-032995-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (DOE/Oak ridge XVIII 721262 - 721404, INEL V 721405 - 721418: Discrepancies 1, bldg. 2714-H, Vault). *Date:* 07/02/48 *From:* Walter Williams. *To:* JC Franklin. *Re:* RW program.

**DOE-032995-A-3** Correspondence; 1 document, 6 pages. *Source:* Department of Energy. *Date:* 12/06/48 *From:* J.C. Franklin Manager, Oak Ridge. *To:* David B. Langunir (unreadable) Executive Officer Program council, Washington. *Re:* Objectives and Methods of Secrecy.

**DOE-032995-A-4** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 04/27/49 *From:* Anthony C. Vallado. *To:* Warren C. Johnson. *Re:* Transmittal of FInk Survey Volume for Final Declassification Review. Description of documents being reviewed by public relations and insurance branches prior to declassification

**DOE-033095-A-1** Reports; 1 document, 31 pages. *Source:* Department of Energy. *Date:* 07/22/65 *From:* E. C. Watson. *To:* N/A. *Re:* Proposal for a Second Hanford Iodine-131 Field Release Test. *Contents:* "It is proposed to release two curies of iodine-131 to the atmosphere, . . . The principal objective of the controlled atmospheric releases of iodine-131 is to determine the environmental consequences of an accidental emission." [p. 1] The proposed date is August 20, 1965. Alternatives to the proposed release are considered and found wanting. Air, vegetation, and animals (dogs and dairy cows) are to be monitored downwind. The results of a previous (1963) release of .12 curies is described. A hazards analysis concludes that the maximum exposure for "persons not connected with the experiment" is .3 rem to the thyroid, compared to the 30 rem/year annual limit. [p. 25] "The projected dose to the thyroid of a child consuming milk from cows pastured on the maximum contaminated grass at Ringold is estimated to be less than .4 rem. A Protective Action Guide which is applicable to this case, established by the Federal Radiation Council, is 30 rems." [p. 26]

**DOE-033195-A-1** Reports; 1 document, 4 pages. *Source:* Department of Energy (Germantown archives : RG 326, AEC, Secretariat Collection, box 1259, folder MHS 16-5 Accidents and Accident Prevention Vol. II. *Date:* 04/08/55 *From:* W.B. McCool. *To:* N/A. *Re:* Memorandum for Information: Eye Damage from Atomic Flash.

**DOE-033195-B-1** Reports; 1 document, 14 pages. *Source:* Department of Energy. *Date:* 12/27/51 *From:* Thomas Shipman. *To:* Alvin Graves. *Re:* Summary Report Rad Safe and Health Activities at Buster Jangle. summary report of health activities/program

**DOE-040395-A-1** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 02/18/48 *From:* John Bowers. *To:* A.H. Gill. *Re:* No title. Denial letter of human experimentation with atomic energy

**DOE-040395-B-1** Correspondence; 1 document, 4 pages. *Source:* Department of Energy. *Date:* 01/10/51 *From:* Marion W. Boyer, General Manager, AEC. *To:* Honrable Robert Le Baron, Chairman, Military Liaison Committee. *Re:* [effect of radiation on military personnel in the event of nuclear war]. letter from Le Baron to Boyle re Medical Board of Review answers to military questions on effectiveness of troops exposed

**DOE-040695-A-1** Correspondence; 6 documents, 24 pages.; Meetings.; Reports. *Source:* Department of Energy (Los Alamos: GMX-5, A-84-018, Folder 1-4. *Date:* 09/14/48 *From:* Darol Froman. *To:* T. N. White, D. Hall, R. W. Spence, P. Hammond, D. Mueller. *Re:* Committee to Study and Advise on Operations in Bayo Canyon. *Contents:* Memo describes committee established to study radiation hazards and dosages, and "two recent accidental contamination burns," all of which "have been of very considerable concern to the Health Division and the Laboratory generally." The RaLa program is to continue and possible accelerate in next two years. Memo 10/11/48 from Thomas N. White, Committee Director, with agenda for first meeting 10/13/48. Three drafts of the first report of the

Committee, dated 1/5/50, 2/7/50, 2/14/50. Among the concerns: (1) impurities in shipment from Oak Ridge (2) whether individual exposures can be reduced below proposed standard of 0.3 r/wk. (3) simple methids for avoiding radiation burns.

**DOE-040695-A-2** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos: GMX-5, A-84-018, Folder 1-4. *Date:* 02/02/50 *From:* T. N. White. *To:* R. P. Hammond. *Re:* Radioactive Impurities Permissible in RaLa Sources Delivered by CMR-10 to GMX-5. *Contents:* Upper limit of 100 millicuries of strontium per sources, based on 1000 millicuries leading to excessive soil contamination, and willingness to decontaminate.

**DOE-040695-A-3** Correspondence; 2 documents, 2 pages. *Source:* Department of Energy (Los Alamos: Project "Y" Records, A-84-019, Folder 16-12. *Date:* 02/20/45 *From:* S. K. Allison. *To:* J. R. Oppenheimer. *Re:* RaLa Program. *Contents:* Proposes second RaLa firing site, probably in Bayo Canyon, to accommodate increase in testing rate from 3/month to 5/month. Also B. Rossi to R. F. Bacher 3/5/45, notes that expansion of RaLa program will be difficult, and additional personnel are needed to maintain current pace.

**DOE-040695-A-4** Correspondence; 3 documents, 7 pages. *Source:* Department of Energy (Los Alamos: Project "Y" Records, A-84-019, Folder 16-12. *Date:* 12/27/44 *From:* B. Rossi. *To:* R. Dodson. *Re:* Purity Specifications for he RaLa sources. *Contents:* These memos describe the purity requirements for the RaLa sources in terms of the accuracy of the resulting measurements of the implosion process. Also included: G. Friedlander to R. W. Dodson, 1/1/45, Purity Specifications for future RaLa Shipments Harrison S. Brown to J. R. Oppenheimer, 3/1/45, describes how Clinton (Oak Ridge) will meet Los Alamos specifications.

**DOE-040695-A-5** Correspondence; 4 documents, 18 pages.; Meetings. *Source:* Department of Energy (Los Alamos: Director's Office Files, B9, D10, 470.1, RaLa/RaBe, 11/48-6/63. *Date:* 11/12/48 *From:* Duncan MacDougall. *To:* D. W. Mueller. *Re:* Visit to Oak Ridge National Laboratory, Nov. 8-9, 1948. *Contents:* The meeting discussed the elimination of impurities from the RaLa sources provided by Oak Ridge, and the feasibility of construction a separation facility at Hanford. Also included: R. W. Cook to N. E. Bradbury, 1/7/49, RaLa Production, notes that Hanford slugs will be used to produce RaLa at the Oak Ridge separation facility R. W. Cook to N. E. Bradbury, 2/16/49, RaLa Production, suggests irradiation times at Hanford between 40 and 100 days to optimize yield of barium and impurities. RaLa Coordination Meeting, LAB-CMR-10-47. The meeting, 2/24/49, discussed importance and escalating requirements for RaLa.

**DOE-040695-A-6** Correspondence; 3 documents, 29 pages.; Reports. *Source:* Department of Energy (Los Alamos: Director's Office Files, B-9, D10 and D101, 470.1 RaLa/RaBe. *Date:* 01/30/50 *From:* N. E. Bradbury. *To:* D. P. MacDougall and C. Mark. *Re:* RaLa. *Contents:* Raises questions about the utility of RaLa compared to computer simulations and the pin method. Also includes Froman to Distribution, 6/11/50, Value of RaLa to the Laboratory Program. The attached report concludes that the RaLa method is not well-suited either to diagnostics for implosion devices or to measure the equation of state of highly compressed matter, and is too costly compared to the alternatives. "It is recommended that the Laboratory immediately abandon the RaLa work as applied to studies of implosion and equation of state . . . . Planning for a new RaLa firing site should also be discontinued."

**DOE-040695-A-7** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos: Director's Office Files, B9, D10, 470.1, RaLa/RaBe. *Date:* 03/21/52 *From:* D. P. MacDougall. *To:* Darol Froman. *Re:* RaLa Program. *Contents:*

**DOE-040695-A-8** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos: Director's Office Files, B9, D10, 470.1 RaLa/RaBe. *Date:* 02/08/63 *From:* Jane H. Hall. *To:* Distribution. *Re:* RaLa. *Contents:* "The Director has requested that the use of RaLa in the weapons program be reviewed again. As of December 31, 1962, RaLa may no longer be released into the Bayo Canyon atmosphere . . . ."

**DOE-040695-A-9** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos: TR-908, Box 132, Folder 5. *Date:* 01/25/46 *From:* A Reinert et al. *To:* J. G. Hoffman. *Re:* Cloud from January 24 Bayo Canyon Shot. *Contents:* Shot 50, the cloud drifted over the technical areas, and radiation readings reached .046 mR/hr, compared to the background of .028 mR/hr.

**DOE-040695-A-10** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos: GMX-5, A-84-018, Folder 2-17. *Date:* 11/15/49 *From:* T. L. Shipman. *To:* N. E. Bradbury. *Re:* New Road and Landing Strip. *Contents:* The site, Buckman Mesa, had been considered for RaLa testing, in light of continuing concerns over hazards from those tests. "H Division is still wrestling with the problem of determining the actual hazard to people who may be actually in the fallout or who may be more or less permanent residents of areas contaminated by the fallout. This seems like a simple problem, but actually it has proven itself to be both complicated and baffling. Progress is being made but we do not anticipate being able to provide a definitive answer for some little time.

**DOE-040695-A-11** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos: Director's Office Files, B9, D10, 470.1, RaLa/RaBe. *Date:* 06/28/61 *From:* N. E. Bradbury. *To:* John J. Burke. *Re:* Proposed Development of Easterly Half of Barranca Mesa. *Contents:* Construction of school poses relatively little constraint on

RaLa testing, but actual use of the school would. After houses are built, testing in Bayo Canyon would probably have to end.

**DOE-040695-A-12** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos: Director's Office Files, B9, D10, 470.1, RaLa/RaBe. *Date:* 03/08/56 *From:* N. E. Bradbury. *To:* Distribution. *Re:* Meteorological Forecasting Service. *Contents:* The Air Force is threatening to withdraw two meteorologists, but forecasting is essential intermittently for the RaLa shots.

**DOE-040695-A-13** Correspondence; 1 document, 1 page. *Source:* Department of Energy (Los Alamos: Director's Office Files, B9, D101, 470.1 RaLa/RaBe. *Date:* 06/22/61 *From:* D. P. MacDougall. *To:* N. E. Bradbury. *Re:* RaLa Shots in Bayo. *Contents:* Current RaLa shots do not release material, and should not be restricted. Overall RaLa program should not be shut down until Phermex is available.

**DOE-040695-A-14** Reports; 1 document, 22 pages. *Source:* Department of Energy (Los Alamos: HSEI, TR-4777, G2, B217, SOP's, GMX-5. *Date:* 02/01/61 *From:* C. D. Montgomery, D. W. Mueller, R. O. Niethammer. *To:* N/A. *Re:* Clearance, Firing, and Monitoring Procedures for Bayo Canyon Site, GMX-5-168. *Contents:* This is the 1961 reprint of a policy manual first written 6/30/54, revised 1/15/60. This includes policies for badging personnel and keeping them out of areas where shots are being prepared and fired. Weather Control (p 8): "The statement from H-1, that satisfactory conditions for firing prevail, implies that no person outside the fenced and posted area of Bayo Canyon Site will be endangered by the shot." Monitoring Procedures (pp 16-19): restrictions on who can go where depending on the radiation measurements.

**DOE-040695-A-15** Correspondence; 2 documents, 7 pages. *Source:* Department of Energy (Los Alamos: H-1, A-84-018, Folder 2-7. *Date:* 04/20/56 *From:* Dean D. Meyer. *To:* Distribution. *Re:* Operation Plan, H-1-324. *Contents:* Operation Quick and Dirty, a detonation at Pantex involving a 500 curie RaLa source. Also included: Carl W. Buckland to Distribution, 7/9/56, Excavation of Pantex Bunker on June 21, 1956 and June 22, 1956. The cleanup crew was surprised at significant activity from strontium and U-238, and was particularly concerned about the strontium.

**DOE-041295-A-1** Reports; 1 document, 70 pages. *Source:* Department of Energy. *Date:* 09/14/48 *From:* Roy B. Snapp. *To:* Atomic Energy Commission. *Re:* Report of the second meeting of the Noyes Panel. *Contents:* Recommendations and Conclusions Appendix A Choice of Radiation for RW Appendix B Dose requirements Appendix C Production Appendix D Contamination requirements Appendix E Shielding for air delivery Appendix F Munitions Appendix G Radiological Defense Appendix I Security Classification Appendix K Recommendations for Permanent Program Appendices H (U-235 expenditure for RW) and J (Evaluation of RW) are not included, because they are Top Secret.

**DOE-041295-A-2** Reports; 3 documents, 24 pages. *Source:* Department of Energy (AEC Secretariat collection: RW Documents (series 28), AEC 28/26. *Date:* 10/09/49 *From:* Roy B. Snapp. *To:* Atomic Energy Commission. *Re:* Consideration of October 9, 1949 Report of the RW Panel. *Contents:* AEC Consideration of the report of the fourth meeting of the Noyes Panel. The panel considered production capabilities and limitations, the use of alternative RW agents (Ba-La, Zr-Cb, and Pa-233), and necessary contamination levels. It recommended additional funding ( 25 million) to enable Chemical Corps munitions development by FY1953.

**DOE-041295-A-3** Meetings; 4 documents, 12 pages. *Source:* Department of Energy (AEC Secretariat collection: RW Series (28), AEC 28/13. *Date:* 02/16/49 *From:* Roy B. Snapp. *To:* Atomic Energy Commission. *Re:* Third Meeting of the RW . *Contents:* Many pages missing or awaiting declassification. Refers to staff report, but report and appendices not included.

**DOE-041295-A-4** Meetings; 2 documents, 15 pages. *Source:* Department of Energy (AEC Secretariat collection: RW Series [28]). *Date:* 04/23/50 *From:* N/A. *To:* N/A. *Re:* Minutes, Fifth Meeting Joint AEC-DD RW Panel. *Contents:* Discussion of RW Status Report: Appendix A, Part I -- Reactor Development Part 2 -- evaluation for DOD Appendix B -- Protactinium Appendix C -- Medical and Biological Aspects -- need for large animal studies Appendix D -- Operational Evaluation for Joint Chiefs of Staff, by 1954. Appendix E -- CEBAR Appendix F -- Weapons Development Appendix G -- Effects of gamma radiation on explosivesAppendix H -- RW Defense Appendix I -- R&D funding Appendix J -- Intelligence

**DOE-041295-A-5** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (AEC Secretariat collection: Series 28 (RW), AEC 28/31. *Date:* 03/29/50 *From:* T. O. Jones. *To:* Atomic Energy Commission. *Re:* Public Announcement on RW. *Contents:* Proposes release of information, based on RW chapter of Weapons Effect Handbook, based on 4th Noyes Panel meeting recommendation to release information on RW defense.

**DOE-041295-A-6** Correspondence; 3 documents, 3 pages. *Source:* Department of Energy (AEC Secretariat collection: Series 28 (RW), AEC 28/33. *Date:* 05/12/50 *From:* Roy B. Snapp. *To:* Atomic Energy Commission. *Re:* Public Announcement on RW. *Contents:* The Semiannual Report of the Secretary of Defense contains a section on RW in the chapter "New Weapons," and the AEC handbook "The Effects of Atomic Weapons" contains relevant information, so a separate public release on RW is unnecessary.

## *Sources and Documentation*

**DOE-041495-A-1** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 05/23/53 *From:* Louis Hempelmann. *To:* Charles Dunham. *Re:* Letter RE follow-up studies with Rochester plutonium injection subject and Los Alamos plutonium workers. *Contents:* Hempelmann discusses the follow-up of the Los Alamos workers studied over the course of many years, and the removal of a rib for study from a surviving subject of the Rochester Plutonium injections.

**DOE-050495-B-1** Reports; 1 document, 10 pages. *Source:* Department of Energy. *Date:* 03/30/46 *From:* Manhanttan Engineer District. *To:* N/A. *Re:* Declassification Guide for Responsible Reviewers. Regulations and policy concerning the declassification of information

**DOE-050495-B-2** Reports; 1 document, 7 pages. *Source:* Department of Energy. *Date:* 01/01/48 *From:* Manhattan Engineer District. *To:* N/A. *Re:* Declassification Guide. *Contents:* Description of policy and regulations concerning the declassification of information

**DOE-050495-B-3** Reports; 1 document, 7 pages. *Source:* Department of Energy. *Date:* 11/15/50 *From:* Manhattan Engineer District. *To:* N/A. *Re:* Declassification Guide for Responsible Reviewers. Policy and regulations concerning the declassification of information

**DOE-050595-B-1** Reports; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 11/26/45 *From:* H.D. Smyth. *To:* N/A. *Re:* Security Manual. Regulations concerning the Manhattan Project's classification of information.

**DOE-050895-A-1** Meetings; 1 document, 8 pages. *Source:* Department of Energy. *Date:* 05/21/52 *From:* Robert Stone. *To:* N/A. *Re:* Cancer Board Meeting, 5/21/52. meeting minutes

**DOE-050895-D-1** Reports; 1 document, 6 pages. *Source:* Department of Energy (Boston Patient VI: Box 1). *Date:* 06/26/54 *From:* Leonard Atkins. *To:* N/A. *Re:* Anatomic Diagnoses/Necropsy Report. Autopsy report on patient who received U235

**DOE-050895-D-2** Reports; 1 document, 1 page. *Source:* Department of Energy (ORNL, Boston Project: Boston Patient 1 file). *Date:* *From:* unknown. *To:* N/A. *Re:* record of nephrotic patient/Boston Project. possible partial autopsy report

**DOE-052295-A-1** Correspondence; 1 document, 2 pages. *Source:* Department of Energy (History Division: RG 326, General Managers Reading File, Box 5501, November 1947. *Date:* 11/05/47 *From:* Carroll Wilson. *To:* Robert Stone. *Re:* retroactive classification of research.

**DOE-052395-A-1** Correspondence; 3 documents, 9 pages. *Source:* Department of Energy. *Date:* 09/21/81 *From:* Helen Vodopick. *To:* files. *Re:* Comments following Gore Committee hearing. Comments prepared in 1981 sent to ACHRE via OHRE in 1995

**DOE-060295-C-1** Reports; 1 document, 36 pages. *Source:* Department of Energy. *Date:* 01/05/50 *From:* NEPA Medical Advisory Committee. *To:* N/A. *Re:* Radiation Biology relative to Nuclear Energy Powered Aircraft. Report includes recommendations on need for further research and discussion of individual programs and budgetary requirements as well as list of members of committee

**DOE-061395-A-1** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 10/12/47 *From:* Carroll Wilson. *To:* Robert Stone. *Re:* Declassification of Biological and Medical Papers. A letter describing the reason why certain papers about the Atomic Energy Project were not declassified

**DOE-061395-A-2** Correspondence; 1 document, 2 pages. *Source:* Department of Energy. *Date:* 11/05/47 *From:* Carroll Wilson. *To:* Robert Stone. *Re:* No title. Letter the Dr. Stone which clarified declassification policy

**DOE-061395-A-3** Correspondence; 1 document, 1 page. *Source:* Department of Energy. *Date:* 11/05/47 *From:* Carroll Wilson. *To:* Robert Stone. *Re:* No title. Expression for further need of clarification on human radiation experimentation classsification

**DOE-061395-D-1** Reports; 1 document, 20 pages. *Source:* Department of Energy (Division of Biology and Medicine: Box3368, Folder 23. *Date:* 05/16/49 *From:* N/A. *To:* N/A. *Re:* Summary of Congressional Hearings on Fellowship Issue. Summary of discussion at hearing of Joint Congressional Committee on Atomic Energy

**DOE-061395-E-1** Correspondence; 2 documents, 6 pages. *Source:* Department of Energy. *Date:* 03/18/48 *From:* Paul C. Aebersold. *To:* John Z. Bowers. *Re:* Investigation of Patients who have received radioactive isotopes. List of investigators

**DOE-082294-B-3** Meetings. *Source:* DOE (CIC Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709033. *Date:* 10/08/48 *From:* Franklin McLean. *To:* N/A. *Re:* "Distribution List--Minutes--October 8-9, 1948 Meeting of Advisory Committee for Biology and Medicine". *Contents:* List of individuals and Operations offices to receive minutes folders, handwritten notes that some copies destroyed 6/15/49 and 10/29/56

**DOE-082294-B-4** Correspondence. *Source:* DOE (CIC Nos. 702941-702990, 708679-709406, 709710-710294: box 2/4, 709034. *Date:* 03/15/73 *From:* William J. Schull. *To:* James L. Liverman, Dir., Div. of Biomed and Environ

Research, AEC. *Re:* Letter to James Liverman. *Contents:* Schull, a prof. of population genetics at UT Houston, vents frustration over closing of Advisory Committee on Biology and Medicine.

**DOE-093094-A-35** Meetings; 1 document, 157 pages. *Source:* DOE (RG 326 Executive Secretariat: 1271, O&M 7 ACBM BP. *Date:* 11/26/56 *From:* N/A. *To:* N/A. *Re:* Special Meeting of the Advisory Committee on Biology and Medicine. *Contents:* Verbatim transcript

**DOE-101194-B-2** Reports; 1 document, 85 pages. *Source:* Department or Energy. *Date:* 01/01/63 *From:* John R. Horan and Aubrey O. Dodd. *To:* N/A. *Re:* Health and Safety Division Annual Progress Report, 1962. *Contents:* The Medical Chapter notes that "The application of epidemiological methods to AEC contractor records to study patterns of mortality and disease is receiving increased interest in a number of AEC installations." (p. 11). The Personnel Metering chapter describes radiation monitoring using 14 human phantoms near the reactor at the first SPERT I destruct test. These phantoms recorded doses of up to 250 rem, with a high beta component (95%). Doses outside the building were mostly gamma and below 1 rem (pp. 15-19). The Analysis chapter describes the whole-body counting program, and confirm its utility for monitoring internal exposures. Environmental surveys of the SPERT test detected daughters of Kr-91, Kr-92, Xe-149, and Xe-140 (p. 28). The Health Physics chapter notes continuing atmospheric monitoring at a few percent of the on-site Radioactive Concentration Guide (RCG). The main source of radioiodine was operation of the ICPP [acronym?] to separate RaLa (p. 44). Water was monitored for alpha, beta, and tritium. Off-site concentrations of alpha activity reached 30% of the RCG (p. 45). An estimated 240,000 curies -- roughly .4% of the fission product inventory -- were released in the first SPERT I test on November 5, 1962. The cloud was tracked to a distance of 24 km. The Ecology chapter describes a broad agro-ecology program and plans for the CERT tests. The U.S. Weather Bureau chapter describes forecasts and monitoring of radioactivity deposited from the first SPERT I test (pp. 69-74). It describes future plans for additional SPERT destruct tests, SNAP 10A Transient Tests, and EBR II tests, all of which could release radionuclides into the environment. Appendix A describes off-site monitoring of radionuclides ground water, air, and milk, and monitoring radiation using film badges.

**HHS-041394-A-1** Reports; 1 document. *Source:* Department of Health and Human Services. *Date:* 05/30/74 *From:* N/A. *To:* N/A. *Re:* Federal Register; Vol. 39, #105.

**HHS-071394-A-1** Reports; 1 document, 2 pages. *Source:* Department of Health and Human Services. *Date:* 08/02/50 *From:* N/A. *To:* N/A. *Re:* Assumptions Underlying NIH Defense Planning.

**HHS-071394-A-2** Reports; 1 document, 12 pages. *Source:* Department of Health and Human Services. *Date:* 02/01/50 *From:* Public Health Service. *To:* N/A. *Re:* The U.S. Public Health Service and National Defense.

**HHS-071394-A-3** Reports; 1 document, 17 pages. *Source:* Department of Health and Human Services. *Date:* 05/13/52 *From:* National Institute of Health and Dep. of Health and Human Services. *To:* N/A. *Re:* Report on the Defense Activity of the National Institute of Health. Report of the activities of the NIH in reguards to atomic testing

**HHS-072894-A-1** Correspondence; 1 document, 2 pages. *Source:* Department of Health and Human Services. *Date:* 12/05/52 *From:* Edward Rourke, NIH Legal Counsel. *To:* John Trautman, Director, Clinical Center. *Re:* Research - Clinical Investigations - Administratvie Methods to Assure Patient Particiaption on Fully Infromed and Voluntary Basis.

**HHS-090794-A-1** 1 document, 5 pages. *Source:* Department of Health and Human Services. *Date:* 06/02/67 *From:* Lyndon E. Lee. *To:* N/A. *Re:* VA Circular 10-67-117, VA Form 10-1086. *Contents:* Transmittal letter for VA Circular, consent form for patient signature, VA Form 10-1086

**HHS-090794-A-2** 1 document, 4 pages. *Source:* Department of Health and Human Services. *Date:* 11/17/53 *From:* NIH. *To:* N/A. *Re:* Group Consideration of Clincial Research Procedures Deviating from Accepted Medical Practice or Involving Unusual Hazard.

**HHS-090794-A-3** Correspondence; 1 document, 3 pages. *Source:* Department of Health and Human Services. *Date:* 09/12/58 *From:* L.I. Davis, Deputy Commander, Research and Development, Air Force. *To:* RADC, APGC, WADC, AFCRC, AFSWC, AFMTC, AFMDC, AFFTC, AFBMD, ADOSR, (ARDC). *Re:* Conduct of Hazardous Human Experiments.

**HHS-092794-A-1** Correspondence. *Source:* Department of Health and Human Services. *Date:* *From:* James Torrill. *To:* Charles V. Kidd. *Re:* Panel on Aspects of Atomic Warfare. Panel on the experimentation of radiation on human subjects

**HHS-011795-A-1** Reports; 1 document. *Source:* Department of Health and Human Services. *Date:* 06/18/91 *From:* N/A. *To:* N/A. *Re:* Federal Register Part II; Federal Policy for the Protection of Human Subjects; Notices and Rules.

**HHS-011795-A-2** 1 document. *Source:* Department of Health and Human Services. *Date:* 04/18/79 *From:* N/A. *To:* N/A. *Re:* OPRR Reports: The Belmont Report.

**HHS-011795-A-3** 1 document. *Source:* Department of Health and Human Services. *Date:* 03/15/94; 06/18/91 *From:* N/A. *To:* N/A. *Re:* OPRR Reports: Protection of Human Subjects Title 45 Part 46 Code of Federal Regulations.

## *Sources and Documentation*

**HHS-011795-A-4** 1 document, 3 pages. *Source:* Department of Health and Human Services. *Date:* 11/20/85 *From:* N/A. *To:* N/A. *Re:* Public Law 99-158.

**HAR-062394-A-3** Correspondence; 5 documents, 10 pages.; Meetings *Source:* Harvard Medical School. *Date:* 02/03/95 *From:* Daniel Tosteson. *To:* Gil Whittemore. *Re:* Administrative records/minutes of admin board. *Contents:* cover letter, excerpts from meeting minutes

**HAR-062394-A-1** . Correspondence; 2 documents, 11 pages.; Reports. *Source:* Harvard University. *Date:* 01/01/62 *From:* Henry Beecher. *To:* Joseph Cardella. *Re:* Draft: Criticisms of "Principles, Policies, and Rules of the Surgeon General, Dept. of Army..relating to the Use of Human Volunteers..". draft article with handwritten notes

**HAR-062394-A-2** Correspondence; 2 documents, 3 pages. *Source:* Harvard University. *Date:* 07/12/62 *From:* Henry Beecher. *To:* Lt. Gen. Leonard Heaton. *Re:* Conversation re questions of human subject policy. letter and handwritten notes on conversation

**HAR-062394-A-4** Correspondence; 2 documents, 2 pages. *Source:* Harvard University. *Date:* 03/27/62 *From:* Joseph Gardella. *To:* Henry Beecher. *Re:* confirmation of Beecher writing. two letters on paper by Beecher

**HAR-100394-A-1** Correspondence; 1 document, 1 page. *Source:* Harvard University. *Date:* 05/03/46 *From:* N.W. FAxon. *To:* Dr. Aub. *Re:* Radioisotope Research Committee. A letter from Dr. Faxon to Dr. Aub describing new committee and responsibilities

**HAR-100394-A-2** Correspondence; 1 document, 2 pages. *Source:* Harvard University. *Date:* 06/17/46 *From:* Joseph Aub. *To:* Executive Committee of the Mass. General Hospital. *Re:* First Meeting Notes. A Summary of Their First CommitteeMeeting

**HAR-100394-A-3** Correspondence; 1 document, 2 pages. *Source:* Harvard University. *Date:* 05/07/49 *From:* J.C. Aub. *To:* Subcommittee on Human Applications. *Re:* Tracer Doses of Radioactive Isotopes in Man. Policy of allowable doses if radioisotopes to be administered

**HAR-100394-A-4** Meetings; 1 document, 1 page. *Source:* Harvard University. *Date:* 03/15/55 *From:* Dr. Aub. *To:* Radioisotopes Committee Members. *Re:* Radioisotopes Committee Meeting Minutes. Debate in the Radioisotopes Committee Meeting concerning giving permission for human experimentation.

**HAR-100394-A-5** Correspondence; 1 document, 4 pages. *Source:* Harvard University. *Date:* 10/01/57 *From:* A.K. Solomon. *To:* Harvard Medical School. *Re:* Tracer Doses of Radioisotopes in Man. Clarification by the Committee on Medical Research in Biophysics on policy for tracer doses in man

**DOE-120594-C-1** Reports; 1 document, 48 pages. *Source:* Idaho Operations Office. *Date:* 08/01/91 *From:* INEL. *To:* N/A. *Re:* Historical Dose Evaluation, Vol 1. *Contents:* Doses from releases over life of Lab

**DOE-120594-C-1** Reports; 1 document, 48 pages. *Source:* Idaho Operations Office. *Date:* 08/01/91 *From:* INEL. *To:* N/A. *Re:* Historical Dose Evaluation, Vol 1. *Contents:* Doses from releases over life of Lab

**IND-061594-A-1** Correspondence; 1 document, 2 pages. *Source:* Individual. *Date:* 07/10/64 *From:* L.C. Wertz. *To:* CT Gladden. *Re:* Eye Exam at Oregon State Pen. Memo re eye exam on ten inmates

**IND-091494-A-1** Publications. *Source:* Individual. *Date:* 01/01/53 *From:* AEC. *To:* N/A. *Re:* Assuring Public Safety in Continental Weapons Tests.

**IND-091594-A-1** Reports; 5 documents, 100 pages. *Source:* Individual. *Date:* 04/11/94 *From:* Eugene Saenger. *To:* N/A. *Re:* Hearings before Subcommittee on Administrative Law and Govt Relations. Testimony from hearings re Cincinnati experiments

**IND-101294-D-1** Reports; 1 document, 16 pages. *Source:* Individual. *Date:* *From:* Tom Toombs. *To:* Oregon Legislature. *Re:* Testimony re Heller Bill. statement made to Oregon legislative committee

**IND-101294-D-2** Meetings; 1 document, 3 pages. *Source:* Individual. *Date:* 09/25/94 *From:* Lou Miller. *To:* Harold Bibeau. *Re:* Missouri State Prison Experiment. Description of Missouri State Penetentiary Experiment

**IND-110994-A-1** Experiment Records; 1 document, 4 pages. *Source:* Individual. *Date:* *From:* Washington State Penitentiary. *To:* N/A. *Re:* Consent to Controlled Irradiation By Design and Waiver of Liability.

**IND-110994-A-2** Reports; 1 document, 6 pages. *Source:* Individual. *Date:* 01/01/64 *From:* C Alvin Paulsen. *To:* AEC. *Re:* Study of Irradiation Effects on Human Testis: Inlcuding Histologic, Chromosomal and Hormonal Aspects. research proposal

**IND-120294-A-1** Correspondence; 1 document, 3 pages. *Source:* Individual. *Date:* 12/11/45 *From:* Herbert M. Parker. *To:* S. T. Cantril. *Re:* Xenon and Iodine Concentrations in the Environs of the T and B Plant. *Contents:* Discusses dilution of iodine and xenon in off-gases from plutonium separation process at Hanford's T and B plants. Notes that combination of operational cooling times and dilution factors may not be enough to guarantee that atmospheric concentrations are below the occupational tolerance standard of 2.6 x 10-13 curies/cc. Alternatives are to dissolve only when wind is favorable -- in which case Walla Walla might receive higher exposures -- or to increase the cooling time.

**IND-120294-A-2** Reports; 1 document, 3 pages. *Source:* Individual. *Date:* 12/17/45 *From:* Herbert M. Parker. *To:* File. *e:* Proposed Revision of Tolerances for I-131. *Contents:* Based on the thyroid tolerance level of 2 microcuries (corresponding to 1 rad/day), Parker uses the inhalation and water ingestion pathways to establish tolerance limits of 10-13 curies/cc in air and 2.9 x 10-10 curies/cc in water for occupational exposure of 8 hours/day.

**IND-120294-A-3** Reports; 1 document, 2 pages. *Source:* Individual. *Date:* 01/14/46 *From:* N/A. *To:* N/A. *Re:* Tolerance Concentration of Radio-Iodine on Edible Plants. *Contents:* This report includes a table of tolerance doses for humans and farm animals. The tolerance level for humans is the highest -- 9 x 10-4 microcuries/gram, while the levels for cows and horses are the lowest -- 1.5-2 x 10-4 microcuries/gram.

**IND-120294-A-4** Reports; 1 document, 3 pages. *Source:* Individual. *Date:* 04/19/46 *From:* Jack W. Healy. *To:* File. *Re:* Recovery of I-131. *Contents:* This report identifies possible sources for I-131 from Hanford operations and notes that scrubbing the dissolver off-gases would provide a large source. At the time, the scrubbers were only used to sample a 100-150 liter/minute side-flow -- roughly 1.2-1.8 x 10-4 of the flow.

**IND-121794-A-1** Reports; 1 document, 1 page. *Source:* Individual (Joint Committee on Atomic Energy XXII: NARA RG 128, Box 38). *Date:* 06/04/52 *From:* Committee Staff. *To:* N/A. *Re:* Krypton-85 Method of Concealing. *Contents:* This memo describes ways of removing Kr-85 from the off-gases of a plutonium reprocessing plant, concluding that this would be difficult to do at the current Hanford facility but might be practicable at other sites.

**IND-011195-A-1** Reports; 1 document, 6 pages. *Source:* Individual. *Date:* *From:* Pacific Northwest Research Foundation. *To:* N/A. *Re:* Policy and Procedures of the Pacific Northwest Research Foundation re Investigations Involving Human Subjects. policy statement re ethical policy, review procedures, etc.

**IND-071395-A-1** Correspondence; 1 document, 2 pages. *Source:* Individual. *Date:* 02/20/43 *From:* Joseph Hamilton. *To:* Robert Stone. *Re:* Hamilton response to Stone questions on experiments with fission products. letter of resposne

**IND-071395-A-2** Correspondence; 1 document, 4 pages. *Source:* Individual. *Date:* 09/11/45 *From:* Joseph Hamilton. *To:* Samuel Allison. *Re:* Plans for Future Biological Research. memo on upcoming research

**IND-071395-A-3** Correspondence; 1 document, 1 page. *Source:* Individual. *Date:* 02/06/45 *From:* Joseph Hamilton. *To:* Robert Stone. *Re:* Human studies on "clinical material". *Contents:* Hamilton confirms acquisition of iodine, need for human studies

**IND-071395-A-4** Experiment Records; 1 document, 2 pages. *Source:* Individual. *Date:* 06/11/46 *From:* Loren Larsen. *To:* To Whim it may Concern. *Re:* Summary of patient (CAL-2) history. *Contents:* letter included in medical records of CAL-2

**IND-071395-A-5** Correspondence; 1 document, 1 page. *Source:* Individual. *Date:* 02/12/47 *From:* Russell Ball. *To:* Joseph Hamilton. *Re:* Human Experiments. letter re pending approval of monthly reports

**IND-071395-A-6** Correspondence; 1 document, 3 pages. *Source:* Individual. *Date:* 04/04/46 *From:* Joseph Hamilton. *To:* Paul Aebersold. *Re:* Excerpt from letter. Excerpts from letter to Aebersold re. use of P32

**IND-071395-A-7** Correspondence; 1 document, 1 page. *Source:* Individual. *Date:* 08/09/48 *From:* Albert Holland. *To:* Shields Warren. *Re:* Review of Document. memo re declassification of CAL-Z report

**IND-071395-A-8** Correspondence; 1 document, 4 pages. *Source:* Individual. *Date:* 10/21/49 *From:* Ken Scott. *To:* Charles Dunham. *Re:* Summary of Plans for Investigation under Contract 48. plan summary and appandices

**IND-071395-A-9** Correspondence; 1 document, 3 pages. *Source:* Individual. *Date:* 11/28/50 *From:* Joseph Hamilton. *To:* Shields Warren. *Re:* Biological effects of various doses of radiation. letter re. hazards associated with various levels of exposure

**IND-071395-A-10** Correspondence; 1 document, 2 pages. *Source:* Individual. *Date:* 06/18/54 *From:* Joseph Hamilton. *To:* Walter Claus. *Re:* Van Middlesworth and cattle thyroids. letter re I131 fallout in Tenn.

**IND-071395-A-11** Reports; 1 document, 3 pages. *Source:* Individual. *Date:* *From:* Joe Hamilton(?). *To:* N/A. *Re:* Summary of Activities of Berkeley Project. summary of and projection of work done at Berkeley

**IND-071395-A-12** Correspondence; 1 document, 4 pages. *Source:* Individual (UCSF: School of Medicine--Dean). *Date:* 02/11/49 *From:* Joe Hamilton. *To:* Dean Smyth. *Re:* Metabolic Unit discussions. handwritten letter

**IND-071395-A-13** Correspondence; 1 document, 1 page. *Source:* Individual. *Date:* 07/11/49 *From:* Shields warren. *To:* Robert Stone. *Re:* Clarifying feelings on HREs. letter re problems with human experimentation and use of prisoners

**IND-071395-A-14** Reports; 1 document, 6 pages. *Source:* Individual. *Date:* 01/11/45 *From:* Joe Hamilton. *To:* N/A. *Re:* Prposed Biochemical Program ad Univ of Calif. Hamilton's survey of future work

**IND-071395-A-15** Correspondence; 1 document, 1 page. *Source:* Individual. *Date:* 05/14/47 *From:* H.A. Fidler. *To:* N/A. *Re:* Policy of Medical Reports. Policy concerning the declassification of medical reports

**MGH-030395-A-1** Experiment Records; 1 document, 4 pages. *Source:* Massachusetts General Hospital. *Date:* 11/03/53 *From:* William Sweet. *To:* N/A. *Re:* Application for Approval of Use of Radioactive Isotopes. Application form

## *Sources and Documentation*

**NARA-060794-A-1** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 10/06/42 *From:* Moore, J. E., M. D. *To:* Richards, A. N. *Re:* Human Experiments.

**NARA-070794-A-1** Correspondence; 10 documents, 14 pages. *Source:* National Archives and Records Administration. *Date:* 05/26/50 *From:* N/A. *To:* N/A. *Re:* The need to conduct experiments to determine effects. *Contents:* Various memos to Dir. of Med Services Office of SECDEF and a report by Robert Stone on the need and ethics of defining tolerance levels in humans.

**NARA-070794-A-2** Correspondence; 2 documents, 4 pages.; Meetings. *Source:* National Archives and Records Administration. *Date:* 11/13/50 *From:* Brig Gen. James Cooney. *To:* Col. John Wood, Med R&D Board, OSG, USA. *Re:* Mtg. between DBM and military. *Contents:* Summary of mtg between AEC reps and military on acute effects of radiation

**NARA-070794-A-3** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration. *Date:* 07/31/51 *From:* JL Bird, Commanding Officer UNRDL. *To:* Chief, BuShips and BuMed and Surgery. *Re:* Calculated risk figures for personnel to external radiation. *Contents:* Memo re informal opinions about dosages troops can operate at.

**NARA-070794-A-4** Correspondence; 6 documents, 8 pages. *Source:* National Archives and Records Administration. *Date:* 10/18/51 *From:* N/A. *To:* N/A. *Re:* Legal comments on proposed means of authorization and safeguard in use of radioisotopes. *Contents:* Memo, sample informed consent form, sample report

**NARA-070794-A-5** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (NARA RG# 52: 15c, AIG-3. *Date:* 06/05/51 *From:* Dir., NRDL. *To:* Chief, BuMed. *Re:* Monthly Report of Medical Service Functions for 5/51.

**NARA-070794-A-6** Reports; 2 documents, 6 pages. *Source:* National Archives and Records Administration (NARA RG# 52: 15c, AI6-3. *Date:* 12/26/50 *From:* George Lyon. *To:* N/A. *Re:* Radioisotope Program of U.S. Veterans Administration. *Contents:* cover letter and report

**NARA-070794-A-7** Correspondence; 3 documents, 3 pages. *Source:* National Archives and Records Administration (NARA RG# 52: 15c, AI6-3. *Date:* 05/16/47 *From:* JSC Garbert, Dir, Separation Activity, Bureau of Naval Personnel. *To:* N/A. *Re:* Medical Procedure in connection with the release of personnel on duty w/Crossraods or Rad Sfety program.

**NARA-070794-A-8** Correspondence; 3 documents, 3 pages. *Source:* National Archives and Records Administration (NARA RG# 52: 15c, AI6-3. *Date:* 08/27/51 *From:* DE Dement. *To:* CO, US Naval Hospital--San Diego. *Re:* Radioactive Isotopes Program, request for comments. *Contents:* requests for release forms, and 313 distribution forms

**NARA-070794-A-9** Correspondence; 2 documents, 10 pages.; Reports. *Source:* National Archives and Records Administration. *Date:* 03/22/50; 01/31/50 *From:* W.A. Selle, Secretary, NEPA Medical Advisory Committee/Robert S. Stone, M.D., Professor of Radiology, University of California School of Medicine, San Francisco. *To:* Dr. Richard Meiling, Director, Medical Services Division, Office of the Secretary of Defense. *Re:* [NEPA project letter]/paper by Stone: "Irradiation of Human Subjects as a Medical Experiment". Cover letter from Selle, report by Stone on human subject irradiationa as experiment

**NARA-071194-A-1** Reports; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 11/13/52 *From:* H. N. Worthley. *To:* Chairman, Research and Development Board. *Re:* Use of Human Volunteers in CW Experimentation.

**NARA-071194-A-2** 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 11/12/52 *From:* Lloyd Mussells. *To:* Dr. Floyd L. Miller. *Re:* Human Experimentation.

**NARA-082294-A-1** Correspondence, 21 pages.; Meetings; Meetings; 21 pages. *Source:* National Archives and Records Administration (RG 326-68-A588 (Research and Medicine): Box 30, Organization and Management 6 Human Application. *Date:* 12/10/49 *From:* Woodruff. *To:* Subcommittee on Human Applications. *Re:* Minutes and Comments.

**NARA-082294-A-2** Correspondence.; Experiment Records.; Reports. *Source:* National Archives and Records Administration (Atlanta Archives-RG326-68-A588 (Research & Med.): Box 29, Isotopes Program - 1 General Policy. *Date:* 02/07/50 *From:* Subcommittee on Human Use. *To:* N/A. *Re:* Change in Policy Regarding Allocation of Radioisotopes for Use in Humans.

**NARA-082294-A-3** Correspondence. *Source:* National Archives and Records Administration (Atlanta Archives--RG 4NN - 326-87-06 (OR Research + Development 1947-1963): Box #12, Isotopes. *Date:* 01/03/46 *From:* Radioisotope Committee of Clinton Laboratories. *To:* Colonel S.L. Warren. *Re:* "Specific Proposals for the National Distribution of Radioisotopes Produced by the Manhattan Engineer District". *Contents:*

**NARA-082294-A-4** Correspondence. *Source:* National Archives and Records Administration. *Date:* 04/11/49 *From:* William Barbour, Tracerlab, Incorporated, President. *To:* Paul Aebersold. *Re:* Violation of "Acceptance of Terms and Conditions for Order and Receipt of Byproduct Materials (Radioisotopes)". *Contents:* Correspondence from

Aebersold to William Barbour; Correspondence from Wm. Barbour to Aebersold; Memorandum on the Violation of AEC Regulations.

**NARA-082294-A-5** Correspondence. *Source:* National Archives and Records Administration. *Date:* 04/01/43 *From:* N/A. *To:* N/A. *Re:* Manhattan Engineer District Organization Chart.

**NARA-082294-A-6** Correspondence. *Source:* National Archives and Records Administration (Atlanta Archives/RG 326 68-A1096 (OR Research Division): Box #7, Research Division-Organization 45-47. *Date:* 01/10/47 *From:* N/A. *To:* N/A. *Re:* Research Division-Atomic Energy Commission also: Corps of Engineers-US Army.

**NARA-082294-A-7** Correspondence. *Source:* National Archives and Records Administration. *Date:* 05/06/43 *From:* N/A. *To:* N/A. *Re:* U.S.E.D. (U.S. Engineer District?) Medical Section Organization Chart. *Contents:*

**NARA-082294-A-8** Correspondence. *Source:* National Archives and Records Administration (Atlanta Archives/RG 326 68A588 (Research & Medicine): #36, (loose in box). *Date:* 05/01/43 *From:* N/A. *To:* N/A. *Re:* Organizational Chart of Manhattan District Medical Section.

**NARA-082294-A-9** Correspondence. *Source:* National Archives and Records Administration. *Date:* 05/01/46 *From:* E. E. Kirkpatrick, Colonel, Corps of Engineers, Deputy District Engineers. *To:* N/A. *Re:* Manhattan District - Organizational Chart.

**NARA-082294-A-10** Correspondence, 33 pages. *Source:* National Archives and Records Administration (Atlanta RG 326-68-A588 Research & Medicine: BOX 30, Security & Intelligence-2 (Communication Records). *Date:* 11/14/50 *From:* John Roberson. *To:* Dr. C. Larson. *Re:* Proposed Unclassified Fields Or Topics Of Research In Atomic Energy At the Oak Ridge National Laboratory.

**NARA-082294-A-11** Correspondence; 1 page. *Source:* National Archives and Records Administration. *Date:* 11/06/47 *From:* Andrew Dowdy. *To:* N/A. *Re:* Human Testing With C-14.

**NARA-082294-A-12** Meetings; 1 page. *Source:* National Archives and Records Administration (Atlanta-RG #326 (67-A803-CEW/MED Central Files): #141, AEC-334 (Adv. Committee On Human App. *Date:* 06/20/47 *From:* Andrew Dowdy. *To:* Paul Aebersold. *Re:* Measurement of Radioactive Isotopes.

**NARA-082294-A-13** Correspondence; 1 page. *Source:* National Archives and Records Administration (Atlanta-RG #326 (67-4803-CEW/MED Central Files): #141, AEC 334 (Adv. Committee On Human Applications). *Date:* 11/05/47 *From:* Andrew H. Dowdy. *To:* dr. Lee A. DuBridge-Chairman, Interim Adv. Committee. *Re:* Resignation of Subcommittee On Human Applications.

**NARA-082294-A-14** Financial Records; 1 page. *Source:* National Archives and Records Administration (Atlanta-RG 326-68-A588-Research & Medicine: #29, Isotopes program-3 Distribution. *Date:* 09/29/50 *From:* J. R. Mason: Isotopes Division, Oak Ridge Operations. *To:* Jesse Cherry: Health & Safety Division, New York Operations. *Re:* Requirement for Isotopes For FY 1951.

**NARA-082294-A-15** Correspondence; 2 documents, 2 pages. *Source:* National Archives and Records Administration (Atlanta - RG 326 68A 1096 (OR Research DN; Info & Pub.): #33, Isotopes Program. *Date:* 06/07/49 *From:* Woodruff & Holland. *To:* N/A. *Re:* Possible Violation of Subcommittee Policy On Isotope Distribution. *Contents:* -Memo: Possible Violation of Subcommittee Policy On Isotope Distribution. *To:* A. H. Holland, *From:* N. H. Woodruff, 7/18/49 -Memo: Possible Violation of Subcommittee Policy On Isotope Distribution. *To:* N. H. Woodruff, *From:* Albert Holland, 6/13/49

**NARA-082294-A-16** Meetings, 3 pages. *Source:* National Archives and Records Administration (RG 326 67A803 (Mail & Records Central Files; .): #141, AEC-334 (R-Subcommittee On Human App.). *Date:* 04/01/48 *From:* Joseph Hamilton and Hymer Friedell. *To:* Dr. Nathan Woodruff. *Re:* Comments On Minutes of March 22 - 23 Meeting. *Contents:* -Letter: Subcommittee On Human Applications of Radioactive Materials, Joseph Hamilton, 4/19/48 -Letter: Comments On Minutes of 3/22-3/23 Meeting, Hymer Friedell, 4/22/48

**NARA-082294-A-17** Correspondence; Correspondence; 3 pages. *Source:* National Archives and Records Administration (Atlanta - RG 326 (67-A803-CEW/MED Central Files): #141, AEC 334 (R-Subcommittee On Human Applications. *Date:* 03/09/48 *From:* Paul Aebersold. *To:* Hymer Freidell, G. Failla, Joseph Hamilton, A. Holland. *Re:* Meeting of Subcommittee on Human Applications in Washington, 3/22-3/23.

**NARA-082294-A-18** Correspondence; 1 page. *Source:* National Archives and Records Administration (RG #326 (326-83-05 Med Central Files): #54, 700.2. *Date:* 09/20/45 *From:* John L. Ferry (Major, Medical Corps., Army Service Forces). *To:* Major E. J, Bloch. *Re:* Requests For Radioactive Isotopes.

**NARA-082294-A-19** Reports, 5 pages. *Source:* National Archives and Records Administration (Atlanta - 68A1096 OR-Research Div.: #13, Isotopes-3. *Date:* 11/01/46 *From:* N/A. *To:* N/A. *Re:* Isotopes Branch Research Division Manhattan District 5th Report of Request Received 11/1/46 - 11/30/46.

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**NARA-082294-A-20** Reports; Reports; 18 pages. *Source:* National Archives and Records Administration (Atlanta, RH 68A 1096 OR Div. of Research: #6, Radioisotopes - National Distribution. *Date:* 07/13/46 *From:* N/A. *To:* N/A. *Re:* Report of Requests Received to July 31, 1946.

**NARA-082294-A-21** Reports; 1 page. *Source:* National Archives and Records Administration (Atlanta - RG #326 (68-A1096; OR Research Div.): #13, Isotopes - 3. *Date:* 04/02/46; 10/25/46 *From:* N/A. *To:* N/A. *Re:* Requests For Isotopes.

**NARA-082294-A-22** Reports; Reports; 6 pages. *Source:* National Archives and Records Administration (Atlanta - RG 326 - 68A1096 OR Research Div.: #102, Isotopes Program 3- Stable. *Date:* 01/06/54 *From:* N/A. *To:* N/A. *Re:* Report of Stable Isotopes Shipments & Requests For the Month of 12/53.

**NARA-082294-A-23** Financial Records; 5 documents, 8 pages. *Source:* National Archives and Records Administration (Atlanta Archives/ RG 326, 68A1096 (or Div. of Research): #33, Isotopes Program - 1 General Policy. *Date:* 07/22/49; 08/04/49 *From:* A. H. Holland. *To:* Leon Oettiger. *Re:* Inquiry Concerning Use of Iodine 131 (Authorization No. 674). *Contents:* -Letter: Remarks Concerning Use of Iodine 131 Allocated Under Authorization No. 674, 8/4/49, *To:* A. H. Holland, *From:*S. Allan Lough -Letter: Advisability of Treating Children With Graves' Disease with Radioactive Iodine, *To:* Nathan Woodruff, *From:* Leon Oettinger, 6/27/49 -Letter: Inquiry Concerning Use of Iodine 131 In Children, *To:* Leon Oettinger, *From:* S. Allan Lough, 7/6/49 -Letter: Authorization No. 674, *To:* S. Allan Lough, *From:* A. Holland, 8/2/49

**NARA-082294-A-24** Meetings; 3 documents, 19 pages. *Source:* National Archives and Records Administration (Atlanta Archives/RG 326 - 68A1096 OR-Div. of Research: #40, Orign & Management. *Date:* 03/13/49 *From:* Subcommittee On Human Applications. *To:* N/A. *Re:* Tentative Minutes of 3/13/49 Meeting. *Contents:* -Revised Tentative Minutes Transmittal Letter, 7/19/49-Revised Tentative Minutes Transmittal Letter, 9/15/49

**NARA-082294-A-25** Correspondence; 3 documents, 3 pages. *Source:* National Archives and Records Administration (Atlanta Archives- RG 326 67A803 Mail & Records: #188, AEC 4441.2 (R- University of Chicago). *Date:* 01/22/47 *From:* E. M. K. Geiling. *To:* Paul C. Aebersold. *Re:* Application For Supply of Radioactive Phosphorous. *Contents:* -Appreciation Letter, *To:* Aebersold, *From:* E. M. K. Geiling, 1/22/47 -Organizational Chart of the Aircraft Nuclear Charter Propulsion Project At the Oak Ridge National Laboratory

**NARA-082294-A-26** Correspondence, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG #326 (67 - A803-CEW/MED Central Files): #141, AEC 334 (Adv. Committee on Human Applications. *Date:* 11/04/47 *From:* Andrew Dowdy For Subcommittee On Human Applications. *To:* Paul C. Aebersold. *Re:* Isotope Requests .

**NARA-082294-A-27** Experiment Records; 2 documents, 3 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG #326 (67-A803-CEW Med Central Files): #141, AEC 334 (Adv. Committee On Human Applications). *Date:* 06/26/47 *From:* Paul C. Aebersold. *To:* Andrew H. Dowdy. *Re:* Preparation of Samples for Standards. *Contents:* Letter: Human Testing With C14, *To:* Andrew Dowdy, *From:* Paul Aebersold,11/24/47

**NARA-082294-A-28** Financial Records; Financial Records; 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG-326 67A803 Mail & Records Central Files; Office Service Branch Med.: #185, AEC 441.2 (R. Calif. University). *Date:* 01/06/47 *From:* Paul C. Aebersold. *To:* Dr. Hardin Jones. *Re:* Approval of Request No. 389 For Ba 140 Under Navy Contract No. N6ORI-III T. O. 8.

**NARA-082294-A-29** Correspondence, 6 pages. Experiment Records; Experiment Records; 6 pages.; Financial Records; Financial Records; 6 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326 (68-A1096 OR Research Div.): #13, Isotopes - 3. *Date:* 11/15/46 *From:* Paul Aebersold . *To:* Dr. L.D. Marinelli (Sloan Kettering Inst. For Cancer Research). *Re:* Request For Na 24 & K48 For Research. *Contents:* -Radioelement Allocation Approval Form-Interim Period Request For Radioelement Form -Experimental Details For "In Vivo" Uses Form -Publication Form

**NARA-082294-A-30** Financial Records, 17 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 362A1096 OR Div. of Research: #13, Isotopes - 2. *Date:* 04/30/46 *From:* Paul C. Aebersold. *To:* Col. K. B. Fields. *Re:* List of Requests & Estimated Needs For Radioisotopes.

**NARA-082294-A-31** Correspondence; 16 documents.; Meetings. *Source:* National Archives and Records Administration (RG 326 68 A1096 (OR Div. of Research) Atlanta Archives: Box 6, Radioisotopes. *Date:* 01/03/46; 07/16/46 *From:* N/A. *To:* N/A. *Re:* Information On Policy & Operations In Connection with the National Distribution of Radioisotopes. *Contents:* -Letter: Specific Proposals For the National Distribution of Radio-isotopes Produced by the Manhattan Engineer District, *To:* Col. S. Warren, *From:* Radioisotope Committee Of Clinton Laboratories, 1/3/46 Letter: Interim Advisory Committee's Preliminary Understandings, Agreements & Recommendations, *To:* Major General L. R. Groves, *From:* L. A. Du Bridge, 5/1/46 -Letter: Personnel To Advise District On Arraignments for national Distribution of Isotopes, *To:* Frank B. Jewett, *From:* L. R. Groves, 5/22/46 -Letter: Advisory Committee On Isotopes Distribution Policy, *To:* L. A. Du Bridge, *From:* 5/22/46 -Letter: Distribute Radioisotopes to Non-project

users, *To:* C. A. Thomas, *From:* K. D. Nichols, 5/24/46 -Letter: Acknowledge receipt of Letter of 5/24/46, *To:* K. D. Nichols, *From:* C. Thomas, 6/4/46 -Article: Availability of Radioactive Isotopes, 6/14/46, Science-Newspaper Releases, *From:* Manhattan District 6/14/46-Interim Advisory Committee on Isotope Distribution Policy, Minutes of Meeting, 6/18/46, 6/28/46 -Memo: Basis for Published Price List of Radioisotopes, *To:* Commanding General Manhattan Project, *From:* E. Kirkpatrick, 7/16/46 -Details of Isotope Procurement, 10/3/46 -Report of Requests Received To 7/31/46 -2nd Report of Request Received 8/1/46 to 8/31/46-3rd Report of Request Received 9/1 - 30/46 -4th Report of Requests Received 10/1-31/46

**NARA-082294-A-32** Correspondence; 1 page. *Source:* National Archives and Records Administration. *Date:* 12/23/46 *From:* J. A. Derry Exec. Secretary, Military Liaison Committee, AEC. *To:* Col. K. D. Nichols. *Re:* Radioactive Chemical Warfare Agents for Use As Tracers.

**NARA-082294-A-33** Correspondence; 4 documents, 6 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1096 OR-Research Div. Materials (Raw Materials): #70, Medicine, Health & Safety (3-7 Surveys). *Date:* 03/21/52 *From:* T. H. J. Burnett (Consultation & Special Problems - Health Physics Division). *To:* C. S. Shoup, Chief-Div. of Biology - Office of Research & Medicine. *Re:* Special Internal Exposure Survey Technique. *Contents:* -Letter: Special Internal Exposure Survey Technique, 3/6/52 -Handwritten Memo's -Letter: Regarding Sample of Hair For Determination of Internal Doses of Radioisotopes, *To:* T. H. J. Burnett,4/30/52

**NARA-082294-A-34** Correspondence, 3 pages. *Source:* National Archives and Records Administration (Atlanta, RG 326 68A1096 OR Research Division: BOX 13, Isotopes - 3. *Date:* 12/26/46 *From:* Col. Haywood, Corps of Engineers. *To:* A. V. Peterson. *Re:* Clearance to Visit Clinton Laboratories.

**NARA-082294-A-35** Experiment Records, 13 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1096 OR Research Div.: BOX No. 104, Medicine Health & Safety. *Date:* 03/22/54 *From:* John Gallimore, Associate Health Physicist, Carbide Carbon Chemical Co. *To:* Dr. W. H. Sweet, Mass. General Hospital. *Re:* First Results of Uranium Distribution & Excretion Study. Objectives, summary of results, tables (biopsy and autopsy results)

**NARA-082294-A-36** Correspondence; 12 documents, 14 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG #326 (67-A803 Central Files): Box #177, AEC 44.1.2 (R- Virginia Medical College). *Date:* 08/12/47 *From:* Albert Holland. *To:* Everett Evans. *Re:* Information On Radioisotopes. *Contents:* -Letter: Request For Form 313 & 335, *To:* Isotope Branch, *From:* Herman Nachman, 9/28/47 -Letter: Allocation Approval On Request 989, *To:* E. I. Evans, *From:* Nathan Woodruff, 10/2/47 -Letter: Accept Condition of Approval, *To:* Nathan Woodruff, *From:* Everett Idris Evans, 4/6/48 -Letter: Approval Of Use Of P 32 In Humans, *To:* Everett Evans, *From:* Nathan Woodruff, 4/2/48 -Letter: Radioisotopes Procurement, *To:* W. Tompkins, *From:* J. R. Mason, 3/26/48 -Letter: Radioactive Phosphorous, Radioactive Sodium, *To:* Paul Aebersold, *From:* Everett Evans, 5/4/48 -Letter: P32 Request, *To:* Atomic Energy Commission, *From:* Everett Evans, 3/23/48 -Letter: Request For Human Use of Allocated P 32, *To:* Herman Nachman, *From:* Nathan Woodruff, 3/19/48 -Letter: Request For Radioisotope, *To:* Atomic Energy Commission, *From:* Herman Nachman, 3/11/48 -Letter: Answer To Letter of 4/8/48, *To:* Everett Evans, *From:* Nathan Woodruff, 5/14/48 -Letter: Acknowledgment of 5/14/48 Correspondence, 5/21/48

**NARA-082294-A-37** Correspondence, 2 pages. *Source:* National Archives and Records Administration (Atlanta, RG - 326-85-05 Medical Central Files: Box 29, MD 337 Conferences & Meetings-General. *Date:* 08/29/44 *From:* J. R. Oppenheimer. *To:* L. H. Hempelmann. *Re:* Research Program Medical (conference results).

**NARA-082294-A-38** Correspondence, 4 pages. *Source:* National Archives and Records Administration. *Date:* 12/06/46 *From:* Commander General Manhattan District. *To:* J. H. Rothschild For Charles Loucks. *Re:* Request For Clearance to Visit the Argonne National Laboratories, Chicago.

**NARA-082294-A-39** Correspondence, 3 pages. *Source:* National Archives and Records Administration (Atlanta, RG 326 68A1096: Box 92, Research & Development (General). *Date:* 08/12/53 *From:* David S. Anthony, Director-Biology Division. *To:* J. N. Stannard. *Re:* Section - AE Project, University of Rochester Classification Of A Biodistribution Report.

**NARA-082294-A-40** Correspondence; 4 documents, 9 pages.; Reports; 4 documents, 9 pages. *Source:* National Archives and Records Administration (Atlanta, RH 326-58A1096: 213 OR Research Division Personnel (Briones), 12, R&D AFSWP. *Date:* 03/04/58 *From:* S. R. Sapirie. *To:* C. L. Dunham. *Re:* AFSWP Proposal to ORINS For Studies of Radiation Effects Following Ingestion of Radioisotopes. *Contents:* -Letter: Final Report On Research Assistance To Armed Forces Special Weapons Project: Estimation of Tissue Dose From Internally Administered Radioisotopes, *To:* Herman Roth, *From:* Wiliam G. Pollard, 2/21/58 -Letter: Interagency Agreement For Research Project By Oak Ridge Institute of Nuclear Studies: Estimation Of Tissue Dose From Internally Administered Radioisotopes, *To:* Herman Roth, *From:* William Pollard, 12/9/57 -Final Progress Report: Estimated Tissue Dose From Internally Administered Radioisotopes

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**NARA-082294-A-41** Correspondence; 12 documents. *Source:* National Archives and Records Administration (Atlanta-RG-326-68-A588 Research & Medicine: #29, Isotopes Program-8 Reports & Data (Jan-May). *Date:* 01/11/50; 12/12/50 *From:* Carbide & Carbon Chemicals Division. *To:* AEC. *Re:* Free Isotope Report. *Contents:* -Free Isotope Reports For Year 1950

**NARA-082294-A-42** Correspondence; 1 document, 4 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 09/05/46 *From:* A.V. Peterson, Director, Research Division; War Department, Corps of Engineers, Office of the District Engineer, Manhattan District, Oak Ridge, TN. *To:* Commanding General, Manhattan Project, Washington, D.C. *Re:* Investigation of the Existing Accelerator Machines in the Leading Universities.

**NARA-082294-A-43** Correspondence; 3 documents, 5 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 09/13/62 *From:* Cincinnati Area Office, Oak Ridge Operations, United States Atomic Energy Commission and National Lead Company of Ohio. *To:* N/A. *Re:* Measurement of Breath Thoron on Employees of National Lead Company, Cincinnati Area. *Contents:* involves the Division of Biology and Medicine and the Atomic Energy Project

**NARA-082294-A-44** Reports; 2 documents, 8 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 07/01/46 *From:* Arthur H. Frye, Col. Corps of Engineers, Area Engineers. *To:* District Engineer, U.S. Engineer Office, Oak Ridge, TN. *Re:* Narrative Report for Month Ending 30 June 1946.

**NARA-082294-A-45** Correspondence; 1 document, 3 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 07/07/45 *From:* Joseph G. Hamilton, M.D. . *To:* Robert S. Stone, Metallurgical Labs. *Re:* Re - a human experimental subject given Pu238.

**NARA-082294-A-46** Meetings; 1 document, 6 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 10/15/53 *From:* C.S. Shoup, Chief, Biology Branch, Research and Medicine Division. *To:* Kenneth Kasschau, Director, Research and Medicine Division. *Re:* Report on Bio-medical Meetings, Berkeley, CA, October 5-7, 1953. *Contents:* this is about the Radiation Protection Panel meeting of Health Physics representatives

**NARA-082294-A-47** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 09/19/45 *From:* David Goldring, Captain, Medical Corps, Assistant. *To:* Wright Langham. *Re:* Re - a patient referred to as E.C. from whom samples were taken for tests. Letter re Ed Cade record

**NARA-082294-A-48** Experiment Records; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 09/21/45 *From:* David Goldring, Captain, Medical Corps, Assistant. *To:* Wright Langham. *Re:* Re - Patient referred to as E.C. and the teeth specimens.

**NARA-082294-A-49** Meetings; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 12/15/43 *From:* Hymer Friedell, Major, Corps of Engineers, Executive Officer, Medical Section. *To:* Brigadier General L.R. Groves, Washington, D.C. *Re:* Recommendation with respect to conference with Dr. Carl Moore and Dr. Louis Hempelman.

**NARA-082294-A-50** Meetings; 1 document, 8 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 10/10/56 *From:* C.S. Shoup, Chief, Biology Branch, Research and Development Division. *To:* Herman Roth, Director, Research and Development Division. *Re:* Idaho Falls Meeting of the Atomic Energy Commission Biomedical Program Directors, September 26-28, 1956.

**NARA-082294-A-51** Meetings; 1 document, 3 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 05/17/45 *From:* Robert S. Stone. *To:* S.T. Cantril, L.H. Hempelman, K.S. Cole, J.J. Nickson, L.O. Jacobson, J.E. Wirth, K.Z. Morgan, H.J. Curtis, J.G. Hamilton, S.L. Warren, H.L. Friedell, . *Re:* Project Health Meeting on Plutonium Toxicity. agenda for meeting

**NARA-082294-A-52** Experiment Records; 1 document, 13 pages.; Reports. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 06/18/45 *From:* J.J. Nickson. *To:* R.S. Stone. *Re:* Monthly Summary.

**NARA-082294-A-53** Experiment Records; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 04/16/45 *From:* Hymer Friedell, Lt., Col., M.C. Executive Officer, Medical Section. *To:* Commanding Officer, Santa Fe Area, Santa Fe, NM. *Re:* Shipping of Specimens.

**NARA-082294-A-54** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 12/03/43 *From:* B.K. Hough, Jr., Major, Corps of Engineers, Area Engineer. *To:* Dr. Gioacchino Failla, Columbia University Medical Center. *Re:* Re - Failla's work as part of the School of Aviation Medicine Research Program.

**NARA-082294-A-55** Correspondence; 1 document, 4 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 03/25/43 *From:* Hymer Friedell, Major, Corps of Engineers. *To:* District Engineer, U.S. Engineer Office, Manhattan District, New York. *Re:* Organization of Medical Personnel at Site X.

**NARA-082294-A-56** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 01/05/44 *From:* Ernest O. Lawrence. *To:* Dr. Fred Conklin. *Re:* Re - Manhattan Project Administration.

**NARA-082294-A-57** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 05/15/45 *From:* Stafford Warren, Colonel, Medical Corps, Chief, Medical Section. *To:* Dr. J.R. Oppenheimer, Santa Fe, NM. *Re:* Re - correspondence with Dr. Hempelmann and laboratory adminstration.

**NARA-082294-A-58** Financial Records; 1 document, 1 page. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 08/05/63 *From:* Dr. S. Allan Lough, Acting Director, Division of Biology and Medicine. *To:* S.R. Sapirie, Manager, Oak Ridge Operations Office. *Re:* Transmittal of NASA Purchase Order.

**NARA-082294-A-59** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 10/10/63 *From:* S.G. English, Assistant General Manager for Research and Development, U.S. Atomic Energy Commission. *To:* Dr. T.L.K. Smull, Contracting Officer, Office of Grants and Research COntracts, NASA. *Re:* The Establishment of a Radiation Shielding Information Center at the Oak Ridge National Laboratory.

**NARA-082294-A-60** Reports; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* *From:* N/A. *To:* N/A. *Re:* Research Division Functions.

**NARA-082294-A-61** Reports; 1 document, 7 pages. *Source:* National Archives and Records Administration (NARA-082294-A: 1 box in accession). *Date:* 07/01/50 *From:* N/A. *To:* N/A. *Re:* Monthly Status and Progress Report Office of Research and Medicine.

**NARA-082294-A-62** Meetings; 1 document, 16 pages. *Source:* National Archives and Records Administration. *Date:* 03/13/94 *From:* N/A. *To:* N/A. *Re:* Tentative Minutes of 3/13/49 Meeting of Subcommittee On Human Application of Committee On Isotope Distribution of US - AEC.

**NARA-082294-A-63** Reports; 1 document, 3 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326, 68A1096 OR Division of Research: Box 33, Isotopes Program. *Date:* 12/06/48 *From:* Isotopes Division, Oak Ridge Operation. *To:* N/A. *Re:* Radioisotopes for Use In Medicine.

**NARA-082294-A-64** Financial Records; 1 document, 4 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326, 68A1096 (OR Division of Research): #33, Isotopes Program 1 General Policy. *Date:* 01/01/48 *From:* N/A. *To:* N/A. *Re:* Acceptance of Terms and Conditions for Order and Receipt of Byproduct Materials (Radioisotopes).

**NARA-082294-A-65** Reports; 1 document, 3 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 324 3 - 236 - 93- 007: #47, Isotopes Labeled Compounds. *Date:* 06/07/50 *From:* N/A. *To:* N/A. *Re:* Procedure for Security Isotopes Materials and Irradiation Services.

**NARA-082294-A-66** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration. *Date:* 12/12/45 *From:* Col. Stafford Warren. *To:* Col. K. D. Nichols. *Re:* Procedure For Release of Isotopes For Research Purposes Through the National Research Council (draft).

**NARA-082294-A-67** Reports; 2 documents, 20 pages. *Source:* National Archives and Records Administration (RG #326 (68 - A1096 OR Research Division): #13, Isotopes - 3. *Date:* 01/03/46 *From:* Radioisotope Committee of Clinton Laboratories. *To:* Col. S. L. Warren. *Re:* Specific Proposals for the National Distribution of Radioisotpes Produced by the Manhattan Engineer District. *Contents:* Special Review Final Examination

**NARA-082294-A-68** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* *From:* K. E. Fields. *To:* N/A. *Re:* Procedure and Regulations For the Subsidy of Isotopes in Biology and Medicine and Agriculture.

**NARA-082294-A-69** Reports; 1 document, 35 pages. *Source:* National Archives and Records Administration (Atlanta Archives: RG - 326 - 68A 1096 OR Research Division Communications and Reports, Annual Report - ORINS board of Directors. *Date:* 06/30/47 *From:* N/A. *To:* N/A. *Re:* Annual report of the Board of Directors to the Council of the Oak Ridge Institute of Nuclear Studies, Inc.

**NARA-082294-A-70** Reports; 1 document, 38 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326 68A1096 / OR Research Division: #43 Communications and Records, Loose in Box. *Date:* 06/30/48 *From:* ORINS. *To:* N/A. *Re:* Annual Report 1947 - 1948.

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**NARA-082294-A-71** Reports; 1 document, 6 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326, (68A588) Research and Medicine 1943: #37, Release of Isotopes. *Date:* 12/10/45 *From:* N/A. *To:* N/A. *Re:* National Research Council - Application For Radioactive Materials.

**NARA-082294-A-72** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326, (68A588) Research and Medicine: #37, Release of Isotopes. *Date:* 11/28/45 *From:* C. P. Rhoads. *To:* Dr. Merle A. Tuve. *Re:* Radioisotope Use.

**NARA-082294-A-73** Correspondence; 9 documents, 11 pages.; Meetings. *Source:* National Archives and Records Administration (RG #326 (67-A803-(EW/MED Central Files): #141, AEC 334 (R- Committee on Isotope Distribution). *Date:* 03/17/48; 02/10/48 *From:* Paul C. Aebersold. *To:* Dr. L. A. DuBridge. *Re:* Minutes - Meeting of Committee On Isotope Distribution. *Contents:* 2. Recommedations of the Committee On Isotope Distribution 3/18/48 3. Committee On Isotope Distribution, 2/26/48 4. Approval of First Meeting Minutes, 2/18/48 5. Tentative Minutes of Initial Meeting of the Committee On Isotope Distribution, 2/17/48 6. Minutes of Meeting Contained in Outline, 2/12/487. Letter: Minutes of Initial Meeting of the Committee On Isotope Distribution, 2/11/48 8. Letter: Committee On Isotope Distribution, 2/11/489. Letter: Regarding Minutes, 2/10/48

**NARA-082294-A-74** Meetings; 1 document, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326 68A1096 (OR Division of Research): #3, Isotopes. *Date:* 04/21/47 *From:* N/A. *To:* N/A. *Re:* Use of Radioactive Isotopes as Tracers and Therapeutic Agents.

**NARA-082294-A-75** Reports; 1 document, 6 pages. *Source:* National Archives and Records Administration (Atlanta RG 326 68A588 (Research and Medicine): #46, Isotopes Programs. *Date:* 10/06/48 *From:* J. A. Cox. *To:* N/A. *Re:* Radioisotopes Shipments.

**NARA-082294-A-76** Correspondence; 1 document, 11 pages.; Meetings. *Source:* National Archives and Records Administration (Atlanta Archives RG #326 (67-A803-CEW / MED Central Files): #141, AEC 334 (R-Committee on Isotope Distribution). *Date:* 01/12/48 *From:* Paul Aebersold. *To:* J. C. Franklin. *Re:* First Meeting of Committee on Isotope Distribution (Agenda).

**NARA-082294-A-77** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (Atlanta Archives: RG 326 67A803 (Mail and Records Central Files Ofc. Serv. Branch Medicine, AEC 000 8 (R. University of California). *Date:* 02/24/48 *From:* J. G. Hamilton. *To:* Albert Holland. *Re:* Letter Regarding: Curriculum Given Last Summer At Medical School.

**NARA-082294-A-78** Correspondence; 1 document, 3 pages.; Reports. *Source:* National Archives and Records Administration (Atlanta Archives RG 4NN-326-87-06 Cor-Research and Development: #70, Description of . *Date:* 08/28/46 *From:* A. V. Peterson. *To:* T. J. Rehtenbach. *Re:* Description of Organization and Status of Operations of the Research Division.

**NARA-082294-A-79** Correspondence; 1 document, 3 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 67A803 (Mail and Records Central Files Ofc. Serv. Branch. Med & CEN): #141, AEC - 334 LR Committee on Isotopes Distribution. *Date:* 08/25/47 *From:* Paul Aebersold. *To:* Kenneth T. Bainbridge. *Re:* Modification of Procedures of Allocation Subcommittee.

**NARA-082294-A-80** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1090 (OR Research Division): #3, Isotopes. *Date:* 04/07/47 *From:* P. C. Aebersold. *To:* A. V. Peterson. *Re:* Participation in the Radioisotope Training Course.

**NARA-082294-A-81** Correspondence; 1 document, 3 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG #326 (67-A803 - CEW / MED Central Files): #141, AEC 334 (R - Committee on Isotope Distribution). *Date:* 10/31/47 *From:* Paul Aebersold. *To:* Dr. Lee A. DuBridge. *Re:* Interim Advisory Committee on Isotope Distribution.

**NARA-082294-A-82** Reports; 1 document, 19 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A588 (Research and Medicine): #36, Isotopes. *Date:* 01/03/46 *From:* W. E. Cohn. *To:* N/A. *Re:* The National Distribution of Radioisotopes From the Manhattan Engineer District.

**NARA-082294-A-83** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1096 (OR Research Div - Research & Dev.): #12, Isotopes - 1. *Date:* 06/19/46 *From:* K. E. Fields. *To:* Surgeon General. *Re:* Radioisotopes For Human Application.

**NARA-082294-A-84** Meetings; 2 documents, 28 pages. *Source:* National Archives and Records Administration. *Date:* 07/11/46; 06/28/48 *From:* Paul Aebersold. *To:* N/A. *Re:* Minutes of Meetings. *Contents:* 1. Advisory Sub-Committee On Human Applications of the Interim Advisory Committee On Isotope Distribution Policy, 6/28/46 and also 6/18/46.

## *Appendix E*

**NARA-082294-A-85** Reports; 1 document, 1 page. *Source:* National Archives and Records Administration (Atlanta Archives RG #326 (68-A1096 OR Research Div.): #13, Isotopes - 3. *Date:* *From:* N/A. *To:* N/A. *Re:* Proposed Interim Agreement For National Distribution of Declassified Isotopes.

**NARA-082294-A-86** Reports; 1 document, 49 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1096 (OR Isotope Research Division): #422). *Date:* 07/03/63 *From:* P. S. Baker, A. F. Rupp, R. H. Lafferty, M. W. Genard. *To:* N/A. *Re:* Draft - Technical Progress Review; Isotopes and Radiation Technology Vol. 1. No. 1.

**NARA-082294-A-87** Correspondence; 1 document, 8 pages. *Source:* National Archives and Records Administration. *Date:* *From:* N/A. *To:* N/A. *Re:* Radioisotope Research support Program; Document Subject to Codification.

**NARA-082294-A-88** Correspondence; 1 document, 6 pages. *Source:* National Archives and Records Administration. *Date:* 07/15/55 *From:* John C: bugher, M. D. . *To:* Applicants of the Radioisotope Research Support Program . *Re:* Biomedical Research With Radioisotopes.

**NARA-082294-A-89** Correspondence; 1 page. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1096 (OR Division of Research): 118, Isotopes Program 3 - 5 Price. *Date:* 07/13/55 *From:* N. H. Woodruff. *To:* N/A. *Re:* Subsidy of Radio - Materials.

**NARA-082294-A-90** Correspondence; 2 documents, 4 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326, 68A1096 OR: #115, Isotopes Program 3 - 2 Applications. *Date:* 11/16/54; 11/23/54 *From:* Charles Crompton. *To:* J. H. McLeod. *Re:* General Authorization 26585. *Contents:* 2. Letter: Authorization Nos. 30174, 30175, 30176 and 30177, *To:* Dean J. H.McLeod *From:* Charles E. Crompton, 11/23/54

**NARA-082294-A-91** Correspondence, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326, 68A1096 (OR Division of Research): #115). *Date:* *From:* University of Tennessee . *To:* N/A. *Re:* Application For Radioisotope Procurement.

**NARA-082294-A-92** Reports; 1 document, 18 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1096 (OR Division of Research): #133, Research and Development 21 (RTS - General). *Date:* 06/06/55 *From:* N/A. *To:* N/A. *Re:* Forty - Fourth Session and Forty-Fifth Session of the Radioisotope Techniques School, also: Forty-Seventh Session.

**NARA-082294-A-93** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1096 (OR Division of Research): #118, Isotopes Program 3 - 5 (Prices). *Date:* 06/21/55 *From:* Hohn C. Bugher. *To:* K. E. Fields. *Re:* Implementation of AEC 398/12.

**NARA-082294-A-94** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326, 68A1096 (OR Division of Research): #132, Isotope Program. *Date:* 04/11/55 *From:* Marshall Brucer. *To:* Paul C. Aebersold. *Re:* General License for the Possession and Use of Radioisotopes.

**NARA-082294-A-95** Reports; 1 document, 5 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG #326 (68-A1096 OR Research Division): #5, Proposals University of California. *Date:* 01/01/47; 01/01/48 *From:* N/A. *To:* N/A. *Re:* Research Program - Contract W-7405-ENG-48 (1947 - 1948). report on various departments at UCal

**NARA-082294-A-96** Reports; 1 document, 27 pages. *Source:* National Archives and Records Administration (Atlanta Archives: #137, Medicine Health and Safety (1 General Policy). *Date:* 02/01/56 *From:* AEC. *To:* N/A. *Re:* Medical Use of Radioisotopes; Recommendations and Requirements by the Atomic Energy Commission.

**NARA-082294-A-97** 1 document, 3 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 A1058 (OR Mail and Records Central Files): #122, Isotopes Program - 2 Standards. *Date:* 06/07/50 *From:* N/A. *To:* Prinicipal Staff, Washington (Managers of Operations). *Re:* Procedure for Securing Isotopic Materials and Irradiation Services.

**NARA-082294-A-98** Correspondence; 1 document, 5 pages.; Meetings; 1 document, 5 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG #326 (68-A106 OR Research Division.): #13, Isotopes-3. *Date:* 05/01/46 *From:* L. A. DuBridge. *To:* Major General L. R. Groves. *Re:* Interim Advisory Committee On Isotope Distribution Policy.

**NARA-082294-A-99** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives RG 326-68A1096 OR - Division of Research: #16, Isotope Request. *Date:* 03/07/47 *From:* Mr. Edwin E. Huddleson, Jr. *To:* John L. Burling. *Re:* Clinical Testing.

**NARA-082294-A-100** Correspondence; 2 documents, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326, 68A1096 (OR - Division of Research): #33, Isotopes Program - 1 General Policy. *Date:* 10/05/49 *From:* Paul C. Aebersold. *To:* A. Holland. *Re:* Use of Radioisotopes in Human Subjects.

## *Sources and Documentation*

**NARA-082294-A-101** Meetings; 1 document, 7 pages. *Source:* National Archives and Records Administration (Atlanta Archives: 1). *Date:* 12/10/49 *From:* N/A. *To:* N/A. *Re:* Minutes - Meeting of Subcommittee on Human Applications of Committee on Isotope Distribution.

**NARA-082294-A-102** Correspondence; 10 documents. *Source:* National Archives and Records Administration (Atlanta Archives RG 326 68A1096 OR Research Div. Research and Devlopment - Admin. Branch Mail Log: #1, Isotopes 1. *Date:* 06/11/46 *From:* Area Engineer. *To:* K. E. Fields. *Re:* Possible Newspaper Release in Connection With Manhattan District Publicity On Isotope Program.

**NARA-082294-A-103** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (Atlanta Archives RG 326, 68A1096 OR Division of Research: #1, Isotopes Program (1 General Policy). *Date:* 08/25/49 *From:* Herman Roth. *To:* Dr. William Pollard, ORINS. *Re:* Clearance For the Uses of Isotopes.

**NARA-082294-A-104** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326, (68A588) 1943 -1952 (Research & Medicine): #1, Release of Isotopes. *Date:* 12/04/45 *From:* M. A. Tuve. *To:* N/A. *Re:* Draft Letter From National Research Council to Individuals Who Have Worked With Radioactive Research Before / During the War.

**NARA-082294-A-105** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (Atlanta Archives - RG 326, 68A1096 (OR Division of Research): #1, Isotopes Program 1 General Policy. *Date:* 08/11/49 *From:* Shields Warren. *To:* Dr. A. H. Holland. *Re:* Clearance For Use of Isotopes.

**NARA-082294-A-106** Correspondence; 2 documents, 6 pages. *Source:* National Archives and Records Administration (RG 326-68A1096 - OR Research Division: Box #1, Organization and Management - 6. *Date:* 12/04/62 *From:* C. S. Shoup, Chief, Biology Branch, Research and Development Division. *To:* Herman Roth, Director, Research and Development Divsion. *Re:* AEC Biomedical Directors' Meeting, Brookhaven National Laboratory, November 26-27, 1962. *Contents:* memo and agenda/publication

**NARA-082294-A-107** Reports, 16 pages. *Source:* National Archives and Records Administration (RG 326-68A1096 - OR Research Division: Box # 1, 1643 TENN. *Date:* 03/03/60 *From:* L. Van Middlesworth, Ph.D., M.D. *To:* N/A. *Re:* Thyroxine Requirement and the Excretion of Thyroxine Metabolites. *Contents:* Report

**NARA-082294-A-108** Correspondence; 4 documents, 4 pages. *Source:* National Archives and Records Administration (RG # 326 (68-A1096 OR Research Division): # 1, Org. and Man. 12-2 (NASA). *Date:* 09/12/61 *From:* Rosemary Elmo, Staff Assistant to Director, Division of Biology and Medicine, Atomic Energy Commission. *To:* Dr. C.S. Shoup, U.S. Atomic Energy Commission. *Re:* Correspondance about NASA and the Div. of Biology & Medicine. *Contents:* One piece of correspondence and two attachments.

**NARA-082294-A-109** Correspondence; 2 documents, 6 pages. *Source:* National Archives and Records Administration (RG # 326 (68-A1096 - OR Research Division): 1, Org. and Man. 12-2 (NASA). *Date:* 07/30/63 *From:* S. G. English, Assistant General Manager for Research and Development. *To:* Dr. T. K. Smull, Contracting Officer, Office of Grants and Research Contracts. *Re:* Description of projects related to space radiation biology to be undertaken at Oak Ridge, Lawrence, and Argonne Laboratories. *Contents:* Letter and one attachment

**NARA-082294-A-110** Reports; 1 document, 5 pages. *Source:* National Archives and Records Administration (RG 4NN-326-87-6 OR Research and Development 1947-1963: 1, Communications and Records 12-1 Monthly Status Report. *Date:* 09/01/50 *From:* Office of Research and Medicine, Reactor Division. *To:* N/A. *Re:* August 1950 Monthly Status Report of the Office of Research and Medicine's Reactor Division. *Contents:* Status Report of various reactor division projects

**NARA-082294-A-111** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (RG # 326 (326-83-05 MED Central Files): 1, 700.2. *Date:* 08/09/45 *From:* Joe W. Howland, 1st Lt., Medical Corps Assistant. *To:* Area Engineer, Rochester Area, Rochester, N.Y. *Re:* Metabolism Studies at the School of Medicine and Dentistry, Dept. of Medicine. *Contents:* Memorandum detailing the priority of the compounds to be studied in the proposed Dept. of Medicine Program

**NARA-082294-A-112** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (RG 326-85-05 Medical Central Files: 1, MD 700.2 Medical Report Book 2 5-45-6-46. *Date:* 02/15/46 *From:* William F. Bale. *To:* Lt. Col. H. L. Friedell. *Re:* Rochester request for additional C14. *Contents:* 1 Request Letter

**NARA-082294-A-113** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (RG 326 68A1076 OR Research Division: Box # 1, Medicine, Health, and Safety Tests-7 ORINS. *Date:* 10/25/63 *From:* K.L. Englund, Chief, Radiation Sciences Branch, Civilian Reactor Development and Research Division, AEC, Richland, Washington. *To:* Mr. Melvin E. Koons, Contracts Officer, Oak Ridge Institute of Nuclear Studies. *Re:* Details the use of prisoners at the Walla Walla State Penitentiary and the Oregan State Penitentiary for experiments on irradiation of the testes. *Contents:* A two-page letter

**NARA-082294-A-118** Correspondence; 2 documents, 3 pages. *Source:* National Archives and Records Administration (RG 326-68A1096 or Research Division: # 1, Research Studies. *Date:* 06/29/46 *From:* Paul W. McDaniel. *To:* Colonel O. G. Haywood, Jr. *Re:* Memo and List of Cyclotrons in Existence. *Contents:* Memo and a list of existing cyclotrons

**NARA-082294-A-119** Meetings; 1 document, 7 pages. *Source:* National Archives and Records Administration (RG 326, (68A588) (Research and Medicine) 1943-1952: # 1, Organization and Meeting, 6 Human Applications. *Date:* 12/10/49 *From:* N/A. *To:* N/A. *Re:* Minutes for the Meeting of the Subcommittee on Human Applications of Committee on Isotope Distribution, Western Reserve University Medical School. *Contents:* Minutes for a Subcommittee meeting

**NARA-082294-A-120** Correspondence; 1 document, 5 pages.; Meetings. *Source:* National Archives and Records Administration (RG 326 68A 1096 OR Research Division: # 1, Oraganization and Management-6, Biomed. *Date:* 10/17/63 *From:* C.S. Shoup. *To:* Herman M. Roth. *Re:* Minutes for the Meeting of the AEC Biomedical Program Directors. *Contents:* Minutes of the Oct. 14-15 Meeting of the AEC Biomedical Program Directors

**NARA-082294-A-121** Correspondence; 2 documents, 39 pages.; Financial Records. *Source:* National Archives and Records Administration (RG# 326(68-A1096 OR Research Division): # 1, Southwestern Medical 1960-on. *Date:* 05/13/60 *From:* R.G. Humphries, Director, Contract Division, Oak Ridge Operations. *To:* Dr. Joseph R. Rubini and Dr. Henry Lanz. *Re:* Contract No. AT-(40-1)-2731 and Cover memorandum. *Contents:* Cover memorandum and duplicate copies of contract

**NARA-082294-A-122** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (RG #326 (326-83-05 MED Central Files): # 1, 700.2. *Date:* 12/19/46 *From:* Joe W. Howland, Major, Medical Corps, Chief of Research Branch, Medical Division. *To:* H.L. Friedell, Director, Dept. of Radiology, University Hospitals of Cleveland. *Re:* The outline of their research program, including studies on thorium and ionizing radiation. *Contents:* A piece of correspondence

**NARA-082294-A-123** Correspondence; 2 documents, 6 pages.; Meetings. *Source:* National Archives and Records Administration (RG326-85-05 Medical Central Files: 1, MD 337 Meetings & Conferences-District Office. *Date:* 04/12/45 *From:* Andrew H. Dowdy, Director, Manhattan Department. *To:* Col. S.L. Warren. *Re:* Summary of Conference on April 3rd and 4th, 1945. *Contents:* A Cover note and a summary of a Conference

**NARA-082294-A-124** Reports; 1 document, 4 pages. *Source:* National Archives and Records Administration. *Date:* 04/30/43 *From:* Paul Russell, Major, Corps of Engineers. *To:* N/A. *Re:* Organizational Chart, Office of the Area Engineer, Clinton Engineer Works. *Contents:* An organizational flow chart

**NARA-082294-A-125** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (RG 4NN-326-87-06 OR Research & Development, 1947-1963: 12, Miscellaneous Rochester Correspondence. *Date:* 07/06/45 *From:* Joe W. Howland. *To:* The Area Engineer. *Re:* Analysis of Material by Rochester Laboratories. *Contents:* This is a memorandum from Lt. Joe Howland to the Area Engineer in Rochester

**NARA-082294-A-126** Reports; 1 document, 3 pages. *Source:* National Archives and Records Administration (NSa Collection BA-12m m , Document 123: 1). *Date:* *From:* N/A. *To:* Lt. Kenneth E. Zimmerman, Accountable Officer; K.Stanley, Chief of Section, Assoc. Adm. Asst. *Re:* Organization of Area Engineer Property Section. *Contents:* A report

**NARA-082294-A-127** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration. *Date:* 04/21/43 *From:* Warren George. *To:* Col. Blair, The District Engineer, U.S. Engineer Office, Manhattan District. *Re:* District Organizational Chart for the Clinton Engineer Works. *Contents:* A memo

**NARA-082294-A-128** Reports; 2 documents, 50 pages. *Source:* National Archives and Records Administration. *Date:* *From:* N/A. *To:* N/A. *Re:* Organization charts. *Contents:* Flow charts of two plants

**NARA-082294-A-129** Reports; 1 document, 7 pages. *Source:* National Archives and Records Administration. *Date:* 01/01/43 *From:* Adjutant General of the U.S. Army. *To:* N/A. *Re:* A Subjective Decimal Classification with a Complete Alphabetical Index for Use of the War Department and the United States Army. *Contents:* A report on the the Decimal Classification and an Alphabetical Index for Use of the U.S. War Department

**NARA-082294-A-130** Reports; 1 document, 7 pages. *Source:* National Archives and Records Administration (NARA-82294-A-61: 1). *Date:* 01/07/95 *From:* N/A. *To:* N/A. *Re:* Monthly Status and Progress Report, Office of Research and Medicine. *Contents:* This is a monthly progress report

**NARA-082294-A-131** Reports; 1 document, 2 pages. *Source:* National Archives and Records Administration (RG #326 (68-A1096 OR Research Div.): 13, Research Studies. *Date:* *From:* N/A. *To:* N/A. *Re:* Research Division Functions. *Contents:* A Report on Research Division Functions

**NARA-082294-A-132** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (RG # 326 (68-A1096 OR Research Division): 433, Org. and Man. 12-2 (NASA). *Date:* 10/10/63 *From:* S. G. English, Assistant General Manager for Research and Development. *To:* Dr. T. L. K. Small, Contracting Officer, NASA. *Re:*

Letter about the addition of a Radiation Shielding Information Center (RSIC) at Oak Ridge National Laboratory. *Contents:* A letter

**NARA-082294-A-133** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (RG # 326 (68-A1096 OR Research Div.): 433, Org. and Man. 12-2 (NASA). *Date:* 08/05/63 *From:* Dr. S. Allan Lough, Acting Director, Division of Biology and Medicine. *To:* S. R. Sapirie, Manager, Oak Ridge Operations Office. *Re:* Transmittal of NASA Purchase Order. *Contents:* This is a piece of correspondence that discusses NASA Purchase Order R-104

**NARA-082294-A-134** Correspondence; 3 documents, 7 pages. *Source:* National Archives and Records Administration (NARA Atlanta Archives, RG 326 (68A-1096, O.R. Research Division): Box # 343, Folder Organization and Management 12-2 (NASA). *Date:* 11/16/61; 11/01/61; 09/19/61; 08/09/61 *From:* Frank Pittman, Director, Division of Research and Development/S.R. Sapirie, Manager, Oak Ridge Operations/J.A. Swartout, Deputy Director/O. Sisman, Solid State Division. *To:* S.R. Sapirie, Manager, Oak Ridge Operations Office/Dr. H. M. Roth/James Kingsbury, Engineering and Materials Branch. *Re:* Radiation Effects Studies for NASA/ORNL Participation in NASA Program/ORNL Participation in NASA Program.

**NARA-082294-A-135** Correspondence; 1 document, 3 pages. *Source:* National Archives and Records Administration (NARA Atlanta Archives: RG 326 (68A-1096, O.R. Research Division), box 343, folder Organization and Management 12-2 (NASA). *Date:* 07/06/61 *From:* Frank Pittman, U.S.-Atomic Energy Commission, Washington, D.C. *To:* Joseph Clarke, U.S.-Atomic Energy Commission, New York Operations Office, Kenneth A. Dunbar, Chicago Operations Office, S.R. Sapirie, Oak Ridge Operations Office. *Re:* Research and Development for Other Government Agencies in A.E.C. Laboratories. *Contents:*

**NARA-082294-A-136** Meetings; 2 documents, 23 pages. *Source:* National Archives and Records Administration (NARA Atlanta Archives: RG 326 (68A-1096, O.R. Research Division), box 40, folder Organization and Management 6, Meetings and Conferences - Human Applications. *Date:* 07/19/49; 04/29/49 *From:* S. Allan Lough, Radioisotopes Branch, Isotopes Division, Oak Ridge Operations. *To:* Dr. Hymer Friedell, Dr. G. Failla, Dr. Joseph Hamilton, Dr. A.H. Holland. *Re:* Revised Tentative Minutes of March 13, 1949; Meeting of Subcommittee on Human Applications of Committee on Isotope Distribution of the U.S. Atomic Energy Commission.

**NARA-082294-A-137** Correspondence; 1 document, 4 pages. *Source:* National Archives and Records Administration (NARA Atlanta Archives, RG 4NN-326-87-06 (O.R. Research and Development): box 70, folder - Description of Organizations and States of Operations of the Research Divison. *Date:* 08/28/64 *From:* A.V. Peterson, Director, Research Division. *To:* District Engineer. *Re:* Description of Organization and Status of Operations of the Research Division.

**NARA-082294-A-138** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA, Atlanta Archives - RG 326, 68A-1096 O.R. Research Division: box 132, folder - Isotopes Program. *Date:* 04/11/55 *From:* Marshall Brucer, M.D. *To:* Dr. Paul C. Aebersold, Director, Isotopes Division. *Re:* General License for the Possession and Use of Radioisotopes.

**NARA-082294-A-139** Reports; 1 document, 35 pages. *Source:* National Archives and Records Administration (NARA, Atlanta Archives, RG 326 68A-1096 (O.R. Research Division, Communications and Reports): box 43, folder - annual report, ORINS Board of Directors. *Date:* 06/30/47 *From:* Dr. W.G. Pollard (primary author). *To:* N/A. *Re:* Annual Report of the Board of Directors to the Council of the Oak Ridge Institute of Nuclear Studies, Inc.

**NARA-082294-A-140** Correspondence; 1 document, 11 pages. *Source:* National Archives and Records Administration. *Date:* 12/10/46 *From:* J.J. Fee. *To:* N/A. *Re:* Conference on Radiological Safety.

**NARA-082294-A-141** Meetings; 1 document, 6 pages. *Source:* National Archives and Records Administration. *Date:* 10/14/46 *From:* J.J. Fee, Commander, U.S. Navy. *To:* [Memorandum for File]. *Re:* Radiological Decontamination; Conference Concerning.

**NARA-082294-A-142** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration (RG 326 (67-A803-CEW/MED Central Files): box 141, folder - AEC 334 (Advisory Committee on Human Applications). *Date:* 10/04/47 *From:* Andrew H. Dowdy, M.D. Chairman, Interim Sub-Committee on Disrtibution of Isotopes for Human Application. *To:* Dr. Paul Aebersold. *Re:* Dr. Hubbard's request.

**NARA-082294-A-143** Reports; 2 documents, 47 pages. *Source:* National Archives and Records Administration (NARA, Atlanta Archives, RG 326 (326-87-6, O.R. Research and Development Division): box 65, folder - Program, Rochester. *Date:* 02/27/47 *From:* Andrew H. Dowdy, M.D., Director, Rochester Project, Atommic Energy Commission. *To:* Colonel G.W. Beeler, Acting Manager, Madison Square Area, U.S. - Atomic Energy Commission. *Re:* Proposed Research Program and Budget, the University of Rochester Contract No. W-7401-eng-49.

**NARA-082294-A-144** Reports; 1 document, 21 pages. *Source:* National Archives and Records Administration (RG 326 (326-87-6, O.R. Research and Development Division): box 77, folder - Organization and Management, 6 Medical Meeting. *Date:* 01/13/49 *From:* Henry A. Blair. *To:* Atomic Energy Commission Medical and Laboratory Directors.

*Re:* Meeting of Atomic Energy Commission Medical and Laboratory Directors, University of Rochester, Atomic Energy Project.

**NARA-082294-A-145** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA, Atlanta Archives, RG 326 (326-87-6, O.R. Research and Development Division): box 65, folder - programs, medical. *Date:* 03/19/47 *From:* Major B.M. Brundage, MC, Chief, Medical Divison. *To:* Ray C. Armstrong, Research Division. *Re:* Comments on Proposed Research Program and Budget for the University of Rochester, July 1, 1947 - July 1, 1948.

**NARA-082294-A-146** Correspondence; 1 document, 5 pages. *Source:* National Archives and Records Administration (Atlanta Archives, RG 326 (326-87-6, O.R. Research and Development DIvision): box 80, folder - Isotopes Program, 3 Stable. *Date:* 11/30/51 *From:* C.P. Keim, Director, Stable Isotopes Research and Production Division. *To:* N.H Woodruff, Director of Research and Medicine, U.S. Atomic Energy Commisssion. *Re:* Stable Isotope Shipments and Requests.

**NARA-082294-A-147** Correspondence; 1 document, 3 pages. *Source:* National Archives and Records Administration (Atlanta Archives, RG 326 (326-87-6, O.R. Research and Development Divison): box 37, folder - Product. *Date:* 06/02/45 *From:* Hymer Friedell, Lt. Col., Medical Corps, Executive Officer, Medical Section. *To:* Commanding Officer, U.S. Engineer Office, Santa Fe (Attn: Wright Langham). *Re:* Future Experiments with Product.

**NARA-082294-A-148** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (Atlanta Archives, RG 326-85-05, Medical Central Files: box 54, folder - MD 700.2 Medical Report, Book 2, 5/45 - 6/46. *Date:* 10/08/45 *From:* Fred Bryan, Captain, MC, Assistant. *To:* Area Engineer, Rochester Area. *Re:* Request for Information on Experimental Data on Postum.

**NARA-082294-A-149** Correspondence; 1 document, 6 pages. *Source:* National Archives and Records Administration (RG 326-68A-1096 (O.R. Research and Development Division): box 387, folder - Organization and Management - 6 Bio-Med. *Date:* 09/17/62 *From:* C.S. Shoup, Chief, Biology Branch, Research and Development Division. *To:* Herman H. Roth, Director, Research and Development Divison. *Re:* A.E.C. Biomedical Directors' Meeting, Germantown MD, September 13-14, 1962.

**NARA-082294-A-150** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (RG 326-85-05, Medical Central Fiels: box 54, folder - MD 702.1 Medical Exams Specimens. *Date:* 11/21/45 *From:* Joe Howland, Captain Medical Corps, Assistant. *To:* Wright Langham. *Re:* [Transcript on Patient].

**NARA-082294-A-151** Reports; 4 documents, 33 pages. *Source:* National Archives and Records Administration (RG 326-85-05 Nedcial Central Files: box 44, folder - MD 600.914 Progress Reports, California Area. *Date:* 09/19/46; 09/30/46; 11/02/46; 12/03/46 *From:* N/A. *To:* N/A. *Re:* Field Progress Report, Berkeley, University of California, Contract No. W-7405-eng-48.

**NARA-082294-A-152** Correspondence; 2 documents, 5 pages. *Source:* National Archives and Records Administration (Atlanta Archives, RG 326-68-A588, Research and Medicine: box 39, folder - Medical Advisory Committee. *Date:* 01/09/47 *From:* Stafford L. Warren, Chairman, Medical Committee. *To:* Colonel K.D. Nichols, Atomic Energy Commission, Washington, D.C. *Re:* Statement of Duties of the Medical Committee of the Manhattan Engineering District/Minutes of the Medical Committee, 6 December 1946.

**NARA-082294-A-153** 1 document, 6 pages. *Source:* National Archives and Records Administration (Atlanta NARA/RG #326-83-05 (MED Central Files): 54, 700.2. *Date:* 12/05/45 *From:* Robert M. Fink. *To:* Hymer Friedell. *Re:* Summary of Polonium Metabolism - Experiments on rats and humans.

**NARA-082294-A-154** Reports; 2 documents, 4 pages. *Source:* National Archives and Records Administration (NARA Atlanta Archives 1RG 326 GSA 1096: 138 or Research Div. Med. Health & Safety, 7 M.H.S. Experiments and Tests. *Date:* 12/26/56 *From:* C.L. Comar & W.F. Libby. *To:* W.F. Libby & C.L. Comar. *Re:* Strontium Uptake in Humans.

**NARA-082294-A-155** Correspondence, 155 pages. *Source:* National Archives and Records Administration (NARA - Atlanta/ RG 326-87-6: 37 OR R&D Div, Scope of Medical Program. *Date:* 03/20/50 *From:* Wright Langham. *To:* Albert Holland. *Re:* Follow-up study on plutonium injection subject.

**NARA-082294-A-156** 1 document, 3 pages. *Source:* National Archives and Records Administration (NARA - Atlanta/RG 326 (326 - 83 - 05): 54 MED Central Files, 700.2. *Date:* 08/17/45 *From:* Robert Stone. *To:* to files. *Re:* Col. Stafford Warren's memo entitled "Purposes and Limitations of the Biological and Health Physics Program".

**NARA-082294-A-157** 1 document, 3 pages. *Source:* National Archives and Records Administration (NARA-Atlanta/ RG 326-85-05: 55 Medical Central Files, MD 726.2 Occupational Diseases. *Date:* 07/26/45 *From:* Philip J. Close. *To:* C.A. Taney Jr. *Re:* Determination of Policy on Cases of Exposures to Occupational Disease.

## *Sources and Documentation*

**NARA-082294-A-158** 158 documents, 8 pages. *Source:* National Archives and Records Administration (NARA - Atlanta/ RG 326 68 A 7096 OR Research Div.: 46, ORINS Cancer Program. *Date: From:* Marshall Brucer. *To:* Board of Medical Consultants on OR Medical Program. *Re:* No title.

**NARA-082294-A-159** 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326-85-05 MED Central Files: 54, 700 Medicine Hygiene. *Date:* 08/10/43 *From:* KD Nichols. *To:* Stafford Warren. *Re:* Responsibilities of the Medical Section.

**NARA-082294-A-160** 1 document, 3 pages. *Source:* National Archives and Records Administration (NARA - Atlanta/RF 4NN-326-87-06: 12 OR R&D 1947-1963, I.E. 2 General Correspondence. *Date:* 09/21/43 *From:* Leslie Groves. *To:* Commanding General, Army Services Forces. *Re:* Medical Facilities Manhattan District.

**NARA-082294-A-161** 1 document, 6 pages. *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326-85-05: 42, Proposed Program for Metallurgical Program 1944-1945. *Date:* 03/30/44 *From:* Robert Stone. *To:* N/A. *Re:* Need for an increased Health Program.

**NARA-082294-A-162** 1 document, 20 pages. *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326-85-05 MED Central File: 32, Proposed Program for Met Lab. *Date: From:* N/A. *To:* N/A. *Re:* Proposed Program for Metallurgical Laboratory, 1945-1946.

**NARA-082294-A-163** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326-83-05 MED Central Files: 54, 700.2. *Date:* 04/09/45 *From:* Edgar P. Baker. *To:* Stafford Warren. *Re:* Uranium Skin Absorption Experiments.

**NARA-082294-A-164** 3 documents, 5 pages. *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326 68A 588: 36 Research & Medicine, Request for Radioactive Materials for Institutions. *Date:* 10/18/45 *From:* Robert P. Patterson. *To:* Dr. Frank B. Jewett. *Re:* Instituting a Radioisotope Distribution Program.

**NARA-082294-A-165** 1 document, 2 pages. *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326-85-05 MED Central Files: 42, MD 600.18 Clinton Lab Operations. *Date:* 09/01/46 *From:* Monthly Report of Ops for Monsanto Clinton Labs. *To:* N/A. *Re:* August 1946.

**NARA-082294-A-166** 1 document, 16 pages. *Source:* National Archives and Records Administration (NARA Atlanta Archives/RG 326 68A 1096: 78 OR Research Division Contracts ORINS, Information/Publication. *Date:* 09/25/51 *From:* Nathan H. Woodruff. *To:* R.H. Rucker. *Re:* Medical Program - ORINS and Report on the Medical Division of the Oak Ridge Institute of Nuclear Studies.

**NARA-082294-A-167** Meetings; 1 document, 13 pages. *Source:* National Archives and Records Administration (NARA Atlanta Archives RG 326 68A 1096: 105 OR Research Division O&M, Organization & Management Teletherapy 7. *Date:* 03/06/54 *From:* Teletherapy Evaluation Board. *To:* N/A. *Re:* 3/6/54 Meeting of the Executive Committee of the Tele. Evaluation Board.

**NARA-082294-A-168** *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326 168 - A1096 OR Research Div: 7, Research Div. Activities. *Date: From:* N/A. *To:* N/A. *Re:* Research Activities Aug. 1945-Aug. 1946.

**NARA-082294-A-169** *Source:* National Archives and Records Administration (NARA - Atlanta - RG 326 6S - A 1096 OR Research Div: 301, Org. and Man 8: Rpts ORINS. *Date:* 12/01/59 - 06/01/60 *From:* Office of Executive Director. *To:* N/A. *Re:* Monthly Highlight Report of ORINS.

**NARA-082294-A-170** 1 document, 1 page. *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326-85-05 MED Central files: 54, 700.2. *Date:* 12/31/43 *From:* John Ferry. *To:* Stafford Warren. *Re:* Kidney Damage from T Metal.

**NARA-082294-A-171** Meetings, 4 pages. *Source:* National Archives and Records Administration (NARA - Atlanta 1 326-83-05 MED Central Files: 54, 700.2. *Date:* 03/17/44 *From:* Agenda - Conference on Radiobiology at Univ. of Rochester. *To:* N/A. *Re:* No title.

**NARA-082294-A-172** Correspondence; 1 document, 3 pages. *Source:* National Archives and Records Administration (NARA - Atlanta 1 RG 326 MED Central File: 54, 700 Medicine/Hygeine. *Date:* 06/17/43 *From:* Stafford Warren. *To:* KD Nichols. *Re:* Medical Section Responsibilities.

**NARA-101294-A-1** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 01/04/53 *From:* N/A. *To:* N/A. *Re:* Handwritten memo re. proposed policy. *Contents:* Memorandum

**NARA-101294-A-2** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 11/13/52 *From:* N/A. *To:* N/A. *Re:* Use of Human Volunteers in CW Experimentation.

**NARA-101294-A-3** Correspondence; 1 document, 9 pages. *Source:* National Archives and Records Administration. *Date:* 12/24/52 *From:* N/A. *To:* N/A. *Re:* Use of Human Volunteers in Experimental Research.

**NARA-101294-A-4** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 12/09/52 *From:* H.N. Worthley. *To:* F.B. Mitman. *Re:* Use of Human Volunteers in Experimental Research.

## *Appendix E*

**NARA-102594-A-1** Meetings; 1 document, 15 pages. *Source:* National Archives and Records Administration. *Date:* 11/10/52 *From:* Committee on Chemical Warfare. *To:* N/A. *Re:* Transcript of the Fourteenth Meeting held 10 November 1952. excerpts

**NARA-112294-A-1** Reports; 2 documents, 7 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 140). *Date:* 12/31/53 *From:* Chem Corps. *To:* N/A. *Re:* Large Area RW munitions. *Contents:* Two progress reports dated 12/31/53 and 7/1/51

**NARA-112294-A-2** Reports; 3 documents, 8 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 140). *Date:* 03/31/53 *From:* Chem Corps. *To:* N/A. *Re:* RW Decontamination. *Contents:* Progress reports from June, July and September 1953

**NARA-112294-A-3** Reports; 2 documents, 9 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 140). *Date:* 12/31/52 *From:* Chem Corps. *To:* N/A. *Re:* RW Countermeasures. *Contents:* 2 progress reports, July and December 1952

**NARA-112294-A-4** Reports; 3 documents, 8 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 140). *Date:* 12/31/53 *From:* Chem Corps. *To:* N/A. *Re:* RW Field Testing, DPG. *Contents:* Updates on field tests

**NARA-112294-A-5** Reports; 5 documents, 10 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 139). *Date:* 12/31/52 *From:* Chem Corps. *To:* N/A. *Re:* Testing of RW Material for Detection, Protection and Decontamination, DPG. *Contents:* progress reports 1951 and '52

**NARA-112294-A-6** Reports; 9 documents, 14 pages. *Source:* National Archives and Records Administration. *Date:* 06/30/53 *From:* Chem Corps. *To:* N/A. *Re:* Testing of RW Aerial Munitions. *Contents:* Progress reports on munitions tests.

**NARA-112294-A-7** Reports; 9 documents, 15 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 139). *Date:* 12/31/52 *From:* Chem Corps. *To:* N/A. *Re:* Testing of RW Agents, DPG. *Contents:* progress reports on agents

**NARA-112294-A-8** Reports; 8 documents, 23 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 137). *Date:* 06/30/53 *From:* Chem Corps. *To:* N/A. *Re:* RW Agents. *Contents:* progress report on adhesive agents

**NARA-112294-A-9** Reports; 2 documents, 19 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 136). *Date:* 12/31/50 *From:* Chem Corps. *To:* N/A. *Re:* Airborne Munitions for RW Agents. *Contents:* progress reports on muition design and effectiveness

**NARA-112294-A-10** Reports; 6 documents, 36 pages. *Source:* National Archives and Records Administration (Entry #346A, RG #330 : Box 136). *Date:* 12/31/52 *From:* Chem Corps. *To:* N/A. *Re:* Explosive Munitions for RW Agents. *Contents:* progress reports for 1951-2

**NARA-122294-B-1** Correspondence; 1 document, 3 pages.; Publications. *Source:* National Archives and Records Administration. *Date:* 06/07/50 *From:* Carroll L. Wilson. *To:* Principle Staff, Washington Managers of Operations. *Re:* Procedure for Securing Isotopes Materials and Irradiation Services. A bulletin describing the procedures for securing isotopes and irradiation services

**NARA-012395-A-1** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 02/18/48 *From:* Paul, John R. *To:* Stokes, Joseph. *Re:* Response to Inquiry about experimental "ethics".

**NARA-012395-A-2** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration. *Date:* 04/05/48 *From:* Watson, C. J. *To:* Mac Leod, Colin M. *Re:* Ethics regarding the use of Human experimentation.

**NARA-012395-A-3** Correspondence; 1 document, 4 pages. *Source:* National Archives and Records Administration. *Date:* 04/09/48; 04/23/48 *From:* Colin MacLeod. *To:* Frank Bauer. *Re:* Volunteers In Clinical Investigation. *Contents:* Pg. 2: Disposition Form Dated 4/20/48 Pg. 3: Disposition Form Dated 4/23/48 Pg. 4: Memo *Re:* Human Volunteers For Research Investigators

**NARA-012395-A-4** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration. *Date:* 10/27/47; 10/23/47 *From:* William Stone. *To:* Joseph Stokes. *Re:* Compensation of Volunteers Participating in Research Projects Being Conducted By the Army. *Contents:* Pg. 2: Memo *Re:* Protection of Research Project Volunteers, Dated 10/23/47

**NARA-012395-A-5** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 03/02/53 *From:* Adam Rapalski, AFEB. *To:* Dr. Colin MacCleod. *Re:* Request for policy statement. letter re establishing statement allowing for advancement of hepatitis study

**NARA-012495-A-1** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration. *Date:* 09/03/52 *From:* W.G. Lalor. *To:* Joint Cheifs of Staff. *Re:* Security Measures on Chemical Warfare and Biological Warfare. Memo which states that publication of material must not be associated with the military

## *Sources and Documentation*

**NARA-020895-A-1** Meetings; 1 document, 30 pages. *Source:* National Archives and Records Administration. *Date:* 01/25/50 *From:* N/A. *To:* N/A. *Re:* ACBM Minutes of the 20th meeting. Minutes of the 20th meeting of the AEC Advisory Committee of Biology and Medicine.

**NARA-032495-A-0** Correspondence; 1 document, 2 pages. *Source:* National Archives and Records Administration (Army field forces Entry # 13A, RG # 334 at NARA: Box 8). *Date:* 11/20/58 *From:* W. McD. Hammon,. *To:* John Enders. *Re:* AFEB support for Ender's research proposal.

**NARA-052495-A-1** Reports; 1 document, 55 pages. *Source:* National Archives and Records Administration. *Date:* 12/31/46 *From:* N/A. *To:* N/A. *Re:* Manhattan Engineer District History. Volume 7 of the history (partial), deals with medical program

**NARA-082294-A-114** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration Atlanta Archives (RG-326-68A1096 OR-Division of Research: 1, Organization and Management. 6 Meetings and Conferences. Human Applications. *Date:* 11/23/49 *From:* Albert H. Holland, Jr., M.D. *To:* Dr. Paul C. Aebersold, Chief, Isotopes Division. *Re:* Meeting of Subcommittee on Human Applications. *Contents:* Dr. Holland is confirming his attendance at the annual meeting of the Radiological Society of North America in Cleveland and would also be available for the meeting of the Subcommittee on Human Applications on December 10

**NARA-082294-A-115** Correspondence; 1 document, 12 pages.; Reports. *Source:* National Archives and Records Administration Atlanta Archives (RG 326-68-A588. Research and Medicine: 1, Medical Policy. *Date:* 06/20/47 *From:* Robert F. Loeb. *To:* David E. Lilienthal. *Re:* Evaluating Policy Problems Concerning Biomedical Research. *Contents:* Report of the Board of Review - Pertaining to the need for medical and biological radiation research and the responsibility of the AEC in these research practices.

**NARA-082294-A-116** Correspondence; 1 document, 1 page. *Source:* National Archives and Records Administration Atlanta Archives (RG 326-85-05 Medical Central Files: # 1, MD 700.2 Medical Report, Book 2 5/45-6/46. *Date:* 05/30/95 *From:* Robert S. Stone, M.D. *To:* Mr. P. C. Aebersold. *Re:* Memo regarding "Health Division Monthly Reports". *Contents:* Memorandum explaining procedures surrounding the monthly health division reports.

**SMITH-120994-A-1** Reports; 1 document, 18 pages. *Source:* Smithsonian Institution. *Date:* 01/01/54 *From:* Lee Bowen. *To:* N/A. *Re:* Radiological Warfare -- Plans and Tests. *Contents:* This is Chapter 7, pp. 323-340 of A History of the Air Force Atomic Energy Program, 1943-1953, Volume IV: The Development of Weapons. p. 323 -- RW interest from cattle suffering radiation sickness from fallout from Trinity test in 1945, reinforced by Crossroads in 1946. p. 324 -- August 1946: Major General Curtis LeMay of Air Staff, R&D proposes to AC/AS-4 [?] study of use of use of fission products as offensive weapons. p. 324 -- 1947 Interest expands from JCS, RDB to AEC, MLC, AFSWP.p. 324 -- AFSWP forms Radiological Warfare Study Group in February 1948. p. 324 -- Joint AEC-NME Panel on Radiological Warfare [Noyes Panel] formed May 1948. p. 325 -- First meeting of Noyes Panel May 23, 1948 recommends further research. p. 325 -- Second meeting August 29 1948 reports limited production capability and utility of RW, emphasizing denial of territory -- Chemical Corps munitions development delayed.p. 325 -- redacted line before footnote seven, referring to TID-361 Rad Warfare Program Status (by Noyes Panel) 4/23/50pp. 325-326 -- first air drop tests in fall 1949. "it appeared that a fission bomb detonated near the surface would be radiologically more effective than a bomb loaded with special radiological agents. (same citation) p. 326 -- RDB releases "A Comparative Evaluation of Chemical Warfare, Biological Warfare, and Radiological Warfare" JCS 1822/8. Notes limited value of RW. See also memo RDB to JCS *Re:* Request for Review on Guidance on Radiological Warfare, 9/28/49.pp. 326-327 -- JCS downgrades RW priority because of cost, JCS 1822/11 12/20/49. pp. 327-328 -- WSEG outlines 5-part R&D program aimed at 1) production, 2) delivery, 3) dissemination, 4) decontamination, and 5) biological effects of RW agents, WSEG to RDB *Re:* Operational Evaluation of Radiological Warfare, 3/20/50.p. 328 -- JCS recommends against major investment in RW, JCS 1822/12 p. 328 -- Unfavorable Rand report reduces Air Force interest in RW, RM 452 An Evaluation of Radiological Warfare, 9/11/50.pp. 328-329 -- Noyes Panel issues final report, noting limited value of RW, Minutes of Sixth Meeting of Joint AEC-NME Panel on Radiological Warfare, 11/20/50. p. 329 -- Continuing JCS interest in territorial denial, set WSEG report deadline 1954, Report by JSPC to JSC on Final Report to Joint AEC-NME Panel, 6/14/51. p. 329 -- Chemical Corps work 1951-52. Focus on 1) WSEG data, 2) large-scale test, 3) aircraft operations, and 4) effectiveness of [new agents?]. See Status Report: Technical Aspects of Radiological Warfare by Joint DOD-AEC Ad Hoc Study Group 8/8/52 (AFSWP-432). p. 329 -- Design focus on weapon dispensing 3/4" pellets.p. 330 -- Problems: limited production capability for [new agent?], operations, effects. pp. 330-331 -- Army proposes RW production, Army Chief of Staff to JCS *Re:* Radiological Warfare, 9/29/52. p. 331 -- JCS recommends accelerating RW, JCS 1822/22 10/20/52.p. 331 -- Budget pressures on AEC, DOD. p. 332 -- K. D. Nichols memo to Secretary of Defense -- RW has not proven worth, 7/13/53. p. 332 -- WSEG Report No. 9 (7-8/53?) damned with faint praise.pp. 333-337 -- Discussion of military effects of fallout from H-bombs. Ground bursts would scavenge radioactivity from bomb into local fallout. Relatively simple operations could limit troop lethality, however.

## *Appendix E*

**WASH-112294-A-1** Correspondence; 1 document, 1 page. *Source:* State of Washington: Archives and Records Management Division. *Date:* 11/02/64 *From:* CE Heffron. *To:* All Inmates Interested. *Re:* Additional Volunteers for Radiation Research Project. request for additditonal volunteers

**WASH-112294-A-2** Correspondence; 3 documents, 5 pages. *Source:* State of Washington. *Date:* 03/09/76 *From:* Harold Bradley. *To:* Gov. Daniel Evans. *Re:* review of Paulsen program by Corrections Division. report issued to governor

**WASH-112294-A-3** Meetings; 1 document, 5 pages. *Source:* State of Washington. *Date:* 12/10/69 *From:* Research and Clinical Investigations Commmittee. *To:* N/A. *Re:* Minutes of Rsrch and Clinical Investigations Cmte. meeting minutes re Paulsen study

**WASH-112294-A-4** Correspondence; 1 document, 3 pages. *Source:* State of Washington. *Date:* 03/18/70 *From:* Audrey Holliday. *To:* William Conte. *Re:* Explaining cancellation of Paulsen program. letter re the denial of Paulsen's study

**WASH-112294-A-5** Correspondence; 1 document, 3 pages. *Source:* State of Washington. *Date:* 03/13/70 *From:* Ernst Baur. *To:* Audrey R. Holliday. *Re:* Disposition of Division Review Committe in reguard to irradtioan project of Dr. C. Alvin Paulsen at the State Penitentiary. Memorandum regarding Paulsen Project

WASH-112294-A-6 Correspondence; 2 documents, 3 pages. *Source:* State of Washington. *Date:* 03/23/70 *From:* Audrey R. Holliday. *To:* Alvin Paulsen. *Re:* Letter to Paulsen regarding committee's decision to cancel study. Letter to Paulsen re. committee's decision to cancel irradiation study

**TEX-101294-A-1** Meetings; 1 document, 29 pages. *Source:* Texas A&M University. *Date:* 08/09/51 *From:* Paul C. Aebersold, Ph.D., Chief, Isotopes Division, Oak Ridge Operations. *To:* N/A. *Re:* Address Before the Rocky Mountain Radiological Society, August 9, 1951, Denver, CO. text of speech

**TEX-101294-A-2** Reports; 1 document, 5 pages. *Source:* Texas A&M University. *Date:* 07/01/55 *From:* Paul Aebersold. *To:* N/A. *Re:* Capsule Summary of Isotopes Distribution Program. summary report including production figures and budget figures

**TEX-101294-A-3** Reports; 1 document, 2 pages. *Source:* Texas A&M University. *Date:* 01/15/47 *From:* Paul C. Aebersold, Chief, Isotopes Branch, Research Division. *To:* N/A. *Re:* Status of Program Involving Distribution of Radioisotopes.

**TEX-101294-A-4** Correspondence; 1 document, 10 pages. *Source:* Texas A&M University. *Date:* 11/02/54 *From:* Paul C. Aebersold. *To:* T.H. Johnson. *Re:* Providing Radioisotopes at Reduced Prices for Medical, Biological or Other Research Use. Recommendations, description, and debate of the distribution of radioisotopes for research use

**UCLA-111094-A-13** Financial Records; 1 document, 7 pages. *Source:* University of California-Berkeley (LBL Archives: Hardin Jones Papers, Applications for Cancer Funds. *Date:* 10/01/50 *From:* JH Lawrence. *To:* N/A. *Re:* Application for Cancer funds. *Contents:* budget and project breakdown for funding request

**UCLA-111094-A-14** Financial Records; 1 document, 16 pages. *Source:* University of California-Berkeley. *Date:* 03/06/50 *From:* Michael Shimkin. *To:* N/A. *Re:* Physiology and Experimental Therapy for Cancer Patients. *Contents:* budget and project breakdown

**UCLA-111094-A-15** Experiment Records; 1 document, 2 pages. *Source:* University of California-Berkeley. *Date:* 01/01/52 *From:* N/A. *To:* N/A. *Re:* Radioisotopes approved for human use. *Contents:* list of isotopes, purpose and amt to be used

**UCLA-111094-A-16** Reports; 1 document, 6 pages. *Source:* University of California-Berkeley (UCSF Special Collections: School of Medicine-Dept of History and Health Sciences). *Date:* 01/01/48 *From:* N/A. *To:* N/A. *Re:* The Cancer Unit. *Contents:* outline of the cancer unit at UCSF

**UCLA-111094-A-17** Reports; 1 document, 5 pages. *Source:* University of California-Berkeley (LBL Archives: Scientists Papers-John Lawrence). *Date:* 03/18/88 *From:* David Wood. *To:* N/A. *Re:* Historical Overview--Cancer Research Institute. *Contents:* run-down of the cancer program at UC, including Cancer Research Coord. Ctr, LEO, etc.

**UCLA-111094-A-20** Meetings; 1 document, 2 pages. *Source:* University of California-Berkeley. *Date:* 05/11/45 *From:* Stacy Mettier. *To:* Cancer Committee. *Re:* Luncheon Meeting of the Cancer Committee. *Contents:* minutes

**UCLA-111094-A-21** Reports; 1 document, 3 pages. *Source:* University of California-Berkeley (UCSF-Special Collections: School of Medicine--Dean--Papers, Organized Research Radioanalysis. *Date:* 01/22/60 *From:* Robert Stone. *To:* John Saunders, Dean, UCSF. *Re:* Rad Lab future. brief history and questions to be asked and answered about Rad Lab and its direction

**UCLA-111094-A-22** Reports; 1 document, 50 pages. *Source:* University of California-Berkeley (UCSF-Special Collections: School of Medicine--Dean--Committee Reports, School of Medicine Research Committee. *Date:* 06/01/49 *From:* Michael Shimkin, LEO Director. *To:* N/A. *Re:* Laboratory for Experimental Oncology--Annual report 1948-49. annual report, appendices, appreciation from former patient

**UCLA-111094-A-23** Financial Records; 7 documents, 20 pages. *Source:* University of California-Berkeley. *Date:* 06/15/49 *From:* A Tammaro. *To:* N/A. *Re:* Supplemental Agreements--Contract 10. Supplemental Agreements 1949-1971 (some)

## *Sources and Documentation*

**UCLA-111094-A-27** Reports; 1 document, 3 pages. *Source:* University of California-Berkeley. *Date:* 04/17/46 *From:* Earl Miller. *To:* AEC. *Re:* Report and Proposed Program on Effects of X-Rays and Radioactive Elements on Human Subjects and Animals. Outline of proposed conitinuation of blood studies of arthritic patients treated with x-rays

**UCLA-111094-A-30** Correspondence; 1 document, 1 page. *Source:* University of California-Berkeley. *Date:* 07/26/48 *From:* Robert Stone. *To:* Shields Warren. *Re:* TBI, arthritis and AEC oversight. letter re whether study falls under AEC watch

**UCLA-111094-A-31** Experiment Records; 1 document, 17 pages. *Source:* University of California-Berkeley. *Date: From:* Robert Stone. *To:* N/A. *Re:* Records of patients treated. records include diagnosis, blood counts, doses etc.

**UCLA-111094-A-33** Reports; 1 document, 53 pages. *Source:* University of California-Berkeley. *Date:* 01/31/49 *From:* Michael Shimkin. *To:* Gordon Sproul. *Re:* University of California Program in Cancer Research--Second report. Report deals with advances made in cancer research and treatment as well as budget allocations, projects sponsored by PHS and ACS

**UCLA-111094-A-34** Financial Records; 1 document, 24 pages. *Source:* University of California-Berkeley. *Date:* 03/30/49 *From:* John Lawrence. *To:* Michael Shimkin. *Re:* Application for funds in support of cancer research. budget breakdown and description of studies taking place under Cancer Research Coordinating Committee at UC

**UCLA-111094-A-35** Financial Records; 4 documents, 8 pages. *Source:* University of California-Berkeley. *Date:* 01/14/49 *From:* Stone, Scott, Low-Beer. *To:* Shimkin. *Re:* Application for Cancer Funds (Continuation). Applications for funds

**UCLA-111094-A-36** Reports; 1 document, 13 pages. *Source:* University of California-Berkeley. *Date:* 12/06/48 *From:* Michael Shimkin. *To:* N/A. *Re:* Laboratory of Experimental Oncology--Semi-Annual-12/48. Semi annual report, administrative, program advances

**UCLA-101794-A-1** Publications; 1 document, 22 pages. *Source:* University of California-Los Angeles. *Date:* 01/01/83 *From:* Adelaide Tusler, Stafford Warren. *To:* N/A. *Re:* An Exceptional Man for Exceptional Challenges. Part of interview of Stafford Warren from Vol 2 of 3 vol series of interviews with Warren

**UCLA-111094-A-1** Experiment Records; 1 document, 1 page. *Source:* University of California-Los Angeles. *Date: From:* K.G.S. (Ken G. Scott?). *To:* N/A. *Re:* Note from CAL-A's patient record. *Contents:* Directions for clinical procedure

**UCLA-111094-A-2** Experiment Records; 1 document, 60 pages. *Source:* University of California-Los Angeles. *Date:* 08/31/47 *From:* Ken Scott. *To:* record. *Re:* Hanford Jung med files. *Contents:* med records of Jung, CAL-IV

**UCLA-111094-A-3** Publications; 1 document, 4 pages. *Source:* University of California-Los Angeles. *Date:* 05/25/54 *From:* Hamilton. *To:* N/A. *Re:* Accumulation of At211 by Thyroid Gland in Man .

**UCLA-111094-A-4** Experiment Records; 50 documents, 70 pages. *Source:* University of California-Los Angeles. *Date:* 03/24/54 *From:* Hamilton. *To:* N/A. *Re:* At 211 patient records. *Contents:* patient, lab records

**UCLA-111094-A-5** Reports; 1 document, 7 pages. *Source:* University of California-Los Angeles. *Date:* 03/15/48 *From:* Joe Hamilton. *To:* N/A. *Re:* Comparative Deposition of Zr95 in a Reticulo Endothilial Tumor to Normal Tissues in a Normal Patient. *Contents:* the report of the patient known as CAL-Z, UCRL-68.

**UCLA-111094-A-6** Correspondence; 5 documents, 17 pages. *Source:* University of California-Los Angeles. *Date:* 09/18/68 *From:* Pat Durbin. *To:* Oscar Rambo. *Re:* letters concerning remaining CAL specimens. *Contents:* letters re attempts by Pat Durbin to find records of the CAL Pu injectees

**UCLA-111094-A-7** Experiment Records; 1 document, 7 pages. *Source:* University of California-Los Angeles. *Date:* 07/22/47 *From:* Hamilton?. *To:* N/A. *Re:* partial records of CAL-3. *Contents:* partial lab records for CAL-3. These include info on tumor, tissue samples, etc.

**UCLA-111094-A-8** Reports; 2 documents, 2 pages. *Source:* University of California-Los Angeles. *Date:* 09/17/68 *From:* F McDonald. *To:* N/A. *Re:* Examination of slide materials. *Contents:* two exams by 2 docs of CAL slide data

**UCLA-111094-A-9** Correspondence; 3 documents, 7 pages. *Source:* University of California-Los Angeles (LBL: Administration Division--Bus. Mgr. Files). *Date:* 10/14/49 *From:* Russell Hall. *To:* WB Reynolds. *Re:* Use of radioisotopes in Human Subjects. *Contents:* Cover letter, copy of form 313, and letter from Aebersold on isotope application

**UCLA-111094-A-10** Correspondence; 1 document, 2 pages. *Source:* University of California-Los Angeles (LBL: Administration Division--LBL Bus. Mgr.--R&D Admin, Chem and Physics Isotopes request. *Date:* 07/11/47 *From:* John Lawrence. *To:* Paul Aebersold. *Re:* P32 work. *Contents:* letter summarizing UC P work

**UCLA-111094-A-11** Correspondence; 1 document, 2 pages. *Source:* University of California-Los Angeles. *Date:* 06/03/52 *From:* John Lawrence. *To:* GE Cartwright. *Re:* iron turnover. *Contents:* letter in repsonse to questions of Fe59 and consent policies

**UCLA-111094-A-12** Correspondence; 1 document, 1 page. *Source:* University of California-Los Angeles. *Date:* 08/12/64 *From:* Hal Anger. *To:* Charles Dunham. *Re:* Fe52 for therapeutic purposes. *Contents:* letter to Dunham providing info on Fe52 work at Donner

**UCLA-111094-A-24** Correspondence; 1 document, 2 pages. *Source:* University of California-Los Angeles. *Date:* 10/20/48 *From:* Alan Gregg, M.D., Chairman, Advisory Committee on Biology and Medicine. *To:* Robert S. Stone, M.D. *Re:* [secrecy and clinical work within the Atomic Energy Commission]. letter, Gregg to Stone re teletherapy on arthritic patients and AEC policy

**UCLA-111094-A-25** Correspondence; 1 document, 4 pages. *Source:* University of California-Los Angeles. *Date:* 11/04/48 *From:* Robert S. Stone, M.D. *To:* Alan Gregg, Chairman, Advisory Committee on Biology and Medicine. *Re:* [the treatment of patients by/for the Atomic Energy Commission]. letter Stone to Gregg re teletherapy and scientific freedom in general

**UCLA-111094-A-18** Correspondence; 1 document, 2 pages. *Source:* University of California-San Francisco (Special Collections: School of Medicine, Dean). *Date:* 01/29/45 *From:* Robert Stone. *To:* Dean Francis Smyth. *Re:* Cancer funding post-war. *Contents:* letter on organizing things after the war

**UCLA-111094-A-19** Correspondence; 2 documents, 3 pages. *Source:* University of California-San Francisco (UCSF Special Collections: School of Medicine). *Date:* 01/23/45 *From:* Dean Francis Smyth. *To:* Stafford Warren. *Re:* cancer programs. *Contents:* two copies, one with extensive PS on est. cancer programs in post-war period

**UCLA-111094-A-26** Meetings; 1 document, 42 pages. *Source:* University of California-San Francisco. *Date:* 01/24/47 *From:* Stafford Warren. *To:* N/A. *Re:* Reprot on the 23-24 January 1947 Meeting of Interim Medical Advisory Board. agenda, record of board's meeting to discuss studies being/to be carried out re radiation hazards and biological effects

**UCLA-111094-A-28** Correspondence; 1 document, 16 pages. *Source:* University of California-San Francisco. *Date:* 06/12/47 *From:* Norman Hilberry, ANL. *To:* Robert Stone. *Re:* report on health and biological program at ANL. history and update on program at ANL

**UCLA-111094-A-29** Reports; 1 document, 12 pages. *Source:* University of California-San Francisco. *Date: From:* William Bibb. *To:* N/A. *Re:* Biomedical Program, DBM, AEC. outlines scope, objective, assumptions of research, responsibilities, and history of biomed programs, including brief histories of labs.

**UCLA-111094-A-32** Meetings; 1 document, 3 pages. *Source:* University of California-San Francisco. *Date:* 01/15/54 *From:* N/A. *To:* N/A. *Re:* Cancer Board Minutes, 12/16/53. minutes and attendees of Cancer Board meeting

**UCLA-111094-A-37** Correspondence; 1 document, 1 page. *Source:* University of California - Los Angeles (LBL: Scientists Papers, John Lawrence). *Date:* 05/01/62 *From:* HA Gross. *To:* Warden FR Dickson. *Re:* Research Proposal. letter re research protocol

**UCLA-090194-A-1** Correspondence; 1 document, 1 page. *Source:* University of California Los Angeles (Series 300 the Stafford Warren Papers, from UCLA Archives.: 30, 600-1 AEC Project Personnel, 1947-49. *Date:* 12/09/49 *From:* Dr. Thomas J. Haley. *To:* Stafford Warren. *Re:* Samples of Human Bone Ash. *Contents:* concerned efforts to obtain bone ash following cremation. Author planned to contact the LA County Hospital Crematorium

**UCLA-090194-A-2** Correspondence; 2 documents, 3 pages. *Source:* University of California Los Angeles (Series 300 the Stafford Warren Papers, from UCLA Archives.: 36, 600-A Los Angleles Committee for a Sane Nuclear Policy, 1958. *Date:* 01/14/59 *From:* R. S. Thompson. *To:* R.L. Southwick. *Re:* L.A.-based SANE organization. *Contents:* concerns possible connections of anti-nuclear organizers to the Communist party and the advisability of not engaging in public debate with the group over the nuclear testing policy.

**UCLA-090194-A-3** Reports; 1 document, 8 pages. *Source:* University of California Los Angeles (Series 300 the Stafford Warren Papers, from UCLA Archives.: 33, 600 AEC Project--UCLA General, Jul-Dec. 1958. *Date:* 09/01/58 *From:* Joseph R. Ross, . *To:* N/A. *Re:* UCLA School of Medicine Department of Nuclear MEdicine and Radiation Department Annual Report. *Contents:* Appendix I--Publications of the Department of Nuclear Medicine and Radiation Biology, 1957-58.

**UCLA-090194-A-4** Reports; 1 document, 28 pages. *Source:* University of California Los Angeles (Series 300 the Stafford Warren Papers, from UCLA Archives.: 33, 600- AEC Project UCLA--General 1958, Jan.-March. *Date:* 04/01/58 *From:* University of California Los Angeles School of Medicine Atomic Energy Project. *To:* N/A. *Re:* Research Program. *Contents:* Program update for the following departments: General metabolism section, nuclear physiology, radiation dosimetry, nuclide metabolism, clinical radiological medicine, health physics, and the proposed environmental radiation program

**UCLA-090194-A-5** Correspondence; 1 document, 1 page. *Source:* University of California Los Angeles (Series 300 the Stafford Warren Papers, from UCLA Archives.: 33, 600 AEC Project UCLA General 1958, Jan.-March. *Date:* 02/06/58 *From:* Norman MacDonald. *To:* Willard F. Libby. *Re:* Project Sunshine. *Contents:* A former radiological

monitor in the UCLA health physics section offered to collect specimens (including human bones) during the course of a pleasure sailing expidition to the South Pacific. MacDonald was seeking comments from Libby.

**UCLA-090194-A-6** Correspondence; 2 documents, 2 pages. *Source:* University of California Los Angeles (Series 300 the Stafford Warren Papers, from UCLA Archives.: 30, 600 AEC Project WCLA General 1947-49. *Date:* 10/25/47 *From:* Stafford Warren. *To:* Harold Ellis. *Re:* Public Relations concerns about a trip to Alamagordo. *Contents:* concerns trip by several Univ. of California representatives to Alamagordo and a possible public release of the trip; Warren advises against any release as it would be "very bad for public relations"

**UCLA-090194-A-7** Reports; 1 document, 2 pages. *Source:* University of California Los Angeles (Series 300 the Stafford Warren Papers, from UCLA Archives.: 29, 500.5 Radiological Committee--Pendergrass, 1947-49. *Date:* 12/01/48 *From:* R.R. Newell. *To:* N/A. *Re:* Human Tolerance for Large Amounts of Radiation. *Contents:* summary report of the findings of questionarie given after the Dec. 1948 meeting of experts in radiation therapy and radiobiology. Survey results showed such a discrepancy of opinion about human tolerance levels that "appears highly desirably to obtain some dependable data."

**UCLA-090194-A-8** Reports; 3 documents, 14 pages. *Source:* University of California Los Angeles (Series 300 the Stafford Warren Papers, from UCLA Archives.: 29, 5--.2 Medical Board of Review 1947. *Date:* 06/20/47 *From:* Robert F. Loeb, chairman. *To:* David Lilienthal. *Re:* Report of the Board of Review. *Contents:* lists members and consultants of board of review established by the AEC to evaluate the Commission's biomedical program; report sets out series of recommendations that result in establishment of the Advisory Committee on Biology and Medicine; attached is press release on the Board's findings.

**UCIN-103194-A-1** Experiment Records; 1 document, 20 pages. *Source:* University of Cincinnati. *Date:* 09/25/58 *From:* Eugene Saenger. *To:* Dept of Army, OSG. *Re:* Application for Research Contract-Metabolic Changes in Humans Following TBI. Application includes budgetary needs, research plan, PIs, biblio refs.

**MIC-010495-A-1** Meetings; 1 document, 2 pages. *Source:* University of Michigan. *Date:* 09/27/55 *From:* Dr. Bethell. *To:* Human Use Committee Members. *Re:* Minutes. Description and debate for permission to use tracers on human cases

**MIC-010495-A-2** Correspondence; 1 document, 2 pages. *Source:* University of Michigan. *Date:* 02/27/56 *From:* W.W. Meinke. *To:* I. Lampe. *Re:* Duties of Subcommittee. A letter to Dr. Lampe from Meinke, the chairman of the Radiation Policy Committee in which he summarizes history of committee and duties derived therefrom.

**MIC-010495-A-3** Meetings; 1 document, 2 pages. *Source:* University of Michigan. *Date:* 12/10/56 *From:* C.S. Simons. *To:* Human Use of Isotopes Committee Members. *Re:* Minutes. Discussion of Dr. Streeten's experiments

**MIC-010495-A-4** Correspondence; 1 document, 1 page. *Source:* University of Michigan. *Date:* 08/13/63 *From:* Ronald C. Bishop. *To:* Committee Members. *Re:* Committee Agenda. Use of selenium-75 dosage limited

**MIC-010495-A-5** Correspondence; 1 document, 1 page. *Source:* University of Michigan. *Date:* 09/03/66 *From:* Edward Carr. *To:* Members of the Subcommittee on Human Use of Radioisotopes. *Re:* Use of Radioisotopes to Minors. A letter stating why Dr. Carr does not believe in the use of radioisotopes to those under the age of 21

**MIC-010495-A-6** Correspondence; 3 documents, 15 pages. *Source:* University of Michigan. *Date:* 05/20/68 *From:* William Beierwaltes. *To:* Edward Car. *Re:* Data on First Two Patient Studies. Data on first two patient studies

**MIC-010495-A-7** Meetings; 1 document, 2 pages. *Source:* University of Michigan. *Date:* 06/03/68 *From:* Edward Carr. *To:* Committee Members. *Re:* Minutes. Review of Dr. Rovner's appeal for permission on his experiments and a review of Dr. Beierwalte's letter of May 20, 1968

**MIC-010495-A-8** Correspondence; 1 document, 1 page. *Source:* University of Michigan. *Date:* 09/27/68 *From:* Edward Carr. *To:* William Beierwaltes. *Re:* Approval of NM-113. Approval of the use of NM-113

**UTAH-111394-A-2** Correspondence; 3 documents, 9 pages. *Source:* University of Utah. *Date:* 07/09/59 *From:* Lowell A. Woodbury. *To:* Ray Olpin. *Re:* Summary of Work, Recommendations, Consideration. Summary of Woodbury Work as U. of Utah Safety Officer for Isotope Committee and recommendations and consideration

**VA-052594-A-1** Reports; 1 document, 5 pages. *Source:* Department of Veterans Affairs. *Date:* 06/25/58 *From:* General Counsel. *To:* Chief Medical Director. *Re:* General Council's Opinion: OP. G. C. 28-58. Legal Aspects of Medical Research.

**VA-082394-A-1** 1 document, 30 pages. *Source:* Department of Veterans Affairs. *Date:* 09/15/48 *From:* N/A. *To:* N/A. *Re:* Minutes of the Meeting General Advisory Committee On Radioisotopes.

**VA-102594-A-1** Correspondence; 1 document, 4 pages. *Source:* Department of Veterans Affairs. *Date:* 05/13/59 *From:* William S. Middleton. *To:* Chief Medical Director. *Re:* Recommendation for Administrator's Exceptional Service.

**VCU-012595-A-1** Reports; 1 document, 5 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 15/17, Progress Reports. *Date:* 06/30/52 *From:* Haynes. *To:* N/A. *Re:* 1951-52 Progress Report from Physics Division.

## *Appendix E*

**VCU-012595-A-2** Reports; 1 document, 45 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Ham, 82/Apr./23. *Date:* 12/31/68 *From:* William Ham. *To:* N/A. *Re:* Biophysics at MCV, 1948-68. *Contents:* Ham's informal history of the MCV program

**VCU-012595-A-3** Reports; 1 document, 8 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 15/17). *Date:* 06/30/55 *From:* BW Haynes. *To:* N/A. *Re:* 1954-55 Annual Report. *Contents:* part of 54-55 report

**VCU-012595-A-4** Reports; 1 document, 23 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 16/17). *Date:* 05/31/59 *From:* Everett Evans, BW Haynes. *To:* N/A. *Re:* Final Report--Thermal Burns and Radiation Injury. *Contents:* final report, personnel, publications

**VCU-012595-A-5** Correspondence; 1 document, 15 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 5/17). *Date:* *From:* WJH Butterfield. *To:* E Evans, WS Stone. *Re:* Note on Operational Medical Research on Thermal Injury at Atomic Bomb Trials. *Contents:* Plan and discussion points on thermal burns at bomb trials

**VCU-012595-A-6** Correspondence; 1 document, 4 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Seager/Evans). *Date:* 07/08/48 *From:* E Evans. *To:* Security Fund Staff. *Re:* Admin and Org of Security Fund . *Contents:* outline of responsibilities

**VCU-012595-A-8** Correspondence; 1 document, 1 page. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 8/17). *Date:* 07/05/52 *From:* N/A. *To:* George Thoma, USAF, School of Aviation. *Re:* Program conflicts. *Contents:* letter

**VCU-012595-A-9** Reports; 1 document, 3 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 8/17). *Date:* 07/22/52 *From:* William Ham. *To:* Ev Evans. *Re:* Project Proposal, Office of Quartermaster General.

**VCU-012595-A-10** Correspondence; 1 document, 13 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 8/17). *Date:* 09/20/52 *From:* William Ham. *To:* Dean John Truslow. *Re:* Est of Dept. of Physics w/i Med School. *Contents:* proposal outline

**VCU-012595-A-11** Correspondence; 1 document, 7 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 8/17). *Date:* 12/04/52 *From:* William Ham. *To:* Ev Evans. *Re:* Thermal Injuries Program for Human Volunteers.

**VCU-012595-A-12** Correspondence; 1 document, 6 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 8/17). *Date:* 09/02/53 *From:* William Ham. *To:* Ev Evans. *Re:* Outline of Biophysics Program, 1953-4.

**VCU-012595-A-13** Correspondence; 1 document, 2 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 8/17). *Date:* 01/22/54 *From:* William Ham. *To:* BW Haynes. *Re:* R&D Program of Biophysics group.

**VCU-012595-A-14** Reports; 1 document, 39 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 15/17). *Date:* 06/30/54 *From:* BW Haynes. *To:* N/A. *Re:* Annual Report, Thermal and Irradiation Injury, 1953-4. *Contents:* annual

**VCU-012595-A-15** Reports; 1 document, 10 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 15/17). *Date:* 06/30/56 *From:* BW Haynes. *To:* N/A. *Re:* Annual Report, 1955-56.

**VCU-012595-A-16** Correspondence; 1 document, 2 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 10/17). *Date:* 04/24/51 *From:* EI Evans. *To:* Richard Copeland. *Re:* Arrangement for prisoner volunteers.

**VCU-012595-A-17** Correspondence; 2 documents, 4 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 10/17). *Date:* 12/13/51 *From:* EI Evans. *To:* WF Smyth. *Re:* Prison volunteers and information.

**VCU-012595-A-18** Correspondence; 3 documents, 4 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Haynes, 10/17). *Date:* 01/18/52 *From:* EI Evans, BW Haynes. *To:* WF Smyth. *Re:* Prison volunteers and red cell life. *Contents:* letters

**VCU-012595-A-19** Correspondence; 4 documents, 8 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Abbot). *Date:* 08/04/47 *From:* N/A. *To:* N/A. *Re:* Radioisotope Committee. *Contents:* outline of repsonsibilities, memos

**VCU-012595-A-20** Correspondence; 2 documents, 4 pages. *Source:* Virginia Commonwealth University. *Date:* 05/13/53 *From:* EI Evans. *To:* Gerard Turino. *Re:* NRC Correspondence. *Contents:* letters

**VCU-012595-A-21** Publications; 1 document, 9 pages. *Source:* Virginia Commonwealth University. *Date:* 02/17/50 *From:* N/A. *To:* N/A. *Re:* Agenda for Meeting on Cataract Research--NRC . *Contents:* bibliography

## *Sources and Documentation*

**VCU-012595-A-22** Correspondence; 1 document, 2 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Woods, Box 5). *Date:* 10/06/65 *From:* CA Gibbons. *To:* CP Cardwell. *Re:* Permission for Operation--Private Outpatients. *Contents:* consent form/policy

**VCU-012595-A-23** Correspondence; 1 document, 3 pages. *Source:* Virginia Commonwealth University (Tompson-McCaw Library: Woods, box 5). *Date:* 01/05/61 *From:* WS Brooks. *To:* CP Cardwell. *Re:* medical records. *Contents:* policy on medical records keeping

**VCU-012595-A-24** Publications; 3 documents, 5 pages. *Source:* Virginia Commonwealth University. *Date:* 10/21/47 *From:* N/A. *To:* N/A. *Re:* news articles. *Contents:* aricles containing info on MCV program, incl use of prison volunteers, undertaking of isotope studies, aricle on P32 and blood counting

**VCU-012595-A-7** Correspondence; 2 documents, 2 pages. *Source:* Virginia Commonwealth University: Medical College of Virginia. *Date:* 06/26/52 *From:* William Stone. *To:* Evans. *Re:* Ham for grad school. *Contents:* letter

## SUBJECT INDEX

The following is a list of the subject headings used in document descriptions, followed by the index.

### Subject Headings


49
Advisory Committee on Biology and Medicine (AEC/ACBM)
Advisory Committee on Human Radiation Experiments (ACHRE)
Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Allocation and Distribution
Aebersold, Paul C.
Agency Histories
Air Force (DOD/USAF)
Aircraft Nuclear Propulsion (ANP/NEPA)
American Cancer Society (ACS)
Americium injection
Andrews, Gould
Animal Experimentation
Argonne National Laboratory (DOE/ANL)
Argonne National Laboratory (DOE/ANL): Cancer Hospital
Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology
Armed Forces Medical Policy Council (DOD/OSD/AFMPC)
Armed Forces Special Weapons Project (DOD/AFSWP)
Army (DOD/USA)
Atmospheric Sampling
Atomic Bomb Casualty Commission (ABCC)
Atomic Energy Commission (AEC)
Atomic Energy Commission (AEC): Advisory Committee on Biology and Medicine
Atomic Energy Commission (AEC): Division of Biology and Medicine
Atomic Energy Commission (AEC): Division of Military Application
Atomic Energy Project
Atomic Energy Research
Atomic Intelligence
Atomic Tests
Atomic Tests--Troop Participation
Auditing
Bale, William
Battelle Memorial Institute (Battelle)
Baylor University
Bayo Canyon
Beecher, Henry
Beryllium
Bikini Atoll
Biodistribution
Biological Effects
Bronk, Detlev W.
Brookhaven National Laboratory (DOE/BNL)
Brues, Austin
Burch, George
Bureau of Medicine and Surgery (DOD/USN/BUMED)
Bush, Vannevar
CAL 1 2 or 3
Case Western Reserve University
Centers for Disease Control and Prevention (PHS/CDC)
Central Intelligence Agency (CIA)
Cerium
Chemical Corps (DOD/USA/CC)
CHI 1 2 or 3
Children
Cincinnati Experiments
Classified Research
Clinton Laboratory (War/CE/MED)
Cloud Sampling
Coercion
Columbium
Committee on Medical Research (EOP/OSRD/CMR)
Compensation
Conant, James
Congress
Consent
Consent--Verbal
Consent--Written
Consent Forms
Contract Laboratories
Contracts/Contractors
Cooney, James
Corps of Engineers (DOD/CE)
Decontamination
Defense Atomic Support Agency (DOD/DASA)
Defense Nuclear Agency (DOD/DNA)
Department of Defense (DOD)
Department of Defense (DOD): Defense Atomic Support Agency (DASA)
Department of Defense (DOD): Defense Nuclear Agency
Department of Energy (DOE)
Department of Health and Human Services (DHHS)
Department of Health Education and Welfare (DHEW)
Department of Veterans Affairs (DVA)

## *Sources and Documentation*

Disclosure
Division of Biology and Medicine (AEC/DBM)
Division of Biomedical and Environmental Research (AEC)
Division of Health and Safety (AEC/DHS)
Division of Military Application (AEC/DMA)
Dosage Guidelines
Dose Reconstruction
Doses Administered
Dosimetry
Dufour, J.T.
Dugway Proving Ground (DOD/DPG)
Dunham, Charles L.
Durbin, Patricia
Dyer, R. E.
Eisenbud, Merrill
Energy Research and Development Administration (ERDA)
Enforcement
Environmental Models
Equipment
Ethical Guidelines
Ethical Policies
Ethical Standards
Ethics
Evans, Robley
Experimental Equipment
Experimental Methods
Experiments
Experiments of Opportunity
Failla, G.
Fallout
Fallout Countermeasures
Federal Advisory Committee Act (FACA)
Federal Laboratories
Fermi Laboratory
Fidler, Harold
Flash Blindness
Food and Drug Administration (PHS/FDA)
Foundations
Friedell, Hymer
General Accounting Office (GAO)
General Electric Co.: Biology Laboratory
Genetic Effects
Gould, Andrews
Grants/Grantees
Green Run
Gregg, Alan
Groves, Leslie
Guidelines/Regulations
Hahn, Paul F.
Hamilton, Joseph
Hanford Site (Richland, Washington)
Harm
Harvard Medical School
Harvard Medical School: Radioactivity Center
Harvard University
Health Group (DOE/LANL)
Hempelmann, Louis H.
Hollaender, Alexander
Howland, Joseph
HP 1 2 or 3
Huddleson, Edward
Human Samples
Human Subjects
Idaho National Engineering Laboratory (DOE/INEL)
Informed Consent
Institutional History
Intentional Releases
Interagency Bodies
Interest Groups
Interstate Bodies
Interviews
Investigational Drugs
Isotope Distribution
Isotopes Branch (AEC)
Ivy, Andrew C.
Joint Committee on Atomic Energy (Congress)
Joint Panel on Medical Aspects of Atomic Warfare (DOD)
Laboratory for Experimental Oncology
Langham, Wright
Law & Legal Issues
Lawrence Berkeley Laboratory (AEC/LBL)
Lawrence Livermore National Laboratory (DOE/LLNL)
Legislation
Liability
Library of Congress (LC)
Licensing
Lilienthal, David E.
Long Range Detection
Lorenz, Egon
Los Alamos National Laboratory (DOE/LANL)
Lushbaugh, C. C.
Manhattan Engineer District (War/CE/MED)
Marshall Islands
Massachusetts General Hospital (MGH)
Massachusetts General Hospital (MGH): Thyroid Clinic
Massachusetts Institute of Technology (MIT)
Media Relations
Medical College of Virginia
Medical Diagnosis
Medical Equipment
Medical Ethics
Medical Isotope Committee
Medical Laboratories
Medical Records
Medical Therapies
Meetings
Mentally Ill (subjects)
Metabolism of Fission Products
Methods and Techniques
Military Activities

Military Applications
Military Liaison Committee to AEC (DOD/OSD/MLC)
Miller, Earl
Monitoring
Monsanto Chemical Company
Morgan, Karl
M. D. Anderson Hospital (Houston Texas)
National Advisory Cancer Council
National Aeronautics and Space Administration (NASA)
National Archives and Records Administration (NARA)
National Cancer Institute (PHS/NIH/NCI)
National Institutes of Health (NIH)
National Research Council (NAS/NRC)
National Security
Naval Medical Research Institute (DOD/USN/NMRI)
Naval Radiological Defense Laboratory (DOD/USN/NRDL)
Navy (DOD/USN)
Nevada Test Site (Mercury Nevada)
New York University
Nichols, K. D.
Nickson, J. J.
Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA)
Nuclear Rockets
Nuremberg Codes/Trials
Oak Ridge Associated Universities (ORAU)
Oak Ridge Institute for Nuclear Studies (ORINS)
Oak Ridge National Laboratory (DOE/ORNL)
Occupational Exposures
Occupational Guidelines
Occupational Health
Office of Scientific Research and Development (EOP/OSRD)
Office of the Secretary of Defense (DOD/OSD)
Office of the Surgeon General (PHS/OSG)
Operation Crossroads
Oppenheimer, Robert
Oregon State Prison (Selon Oregon)
Pacific Northwest Laboratories (Battelle/PNL)
Pantex
Parker, Herbert
Partial Body Irradiation
Permissible Internal Dose
Physical Measurement
Pickering, John
Plutonium Injections
Population Exposure
Postum
Pregnant Women
Prisoners
Private Laboratories
Product
Project Chariot
Project Mercury
Protection/Shielding
Psychological Effects
Public Access
Public Health Service (PHS)
Public Health Service (PHS): Hospitals
Public Information
Public Relations
Race
Radiation--Ionizing
Radiation--Non-ionizing
Radiation Injury
Radiological Defense
Radiological Society of North America
Radiological Warfare
Radium Loan
RaLa
Reactors
Records
Recruitment
Releases of Radioactivity
Research--Nontherapeutic
Research--Therapeutic
Research and Development Board (DOD/RDB)
Research Ethics
Researchers
Rockefeller Foundation
Roller Coaster
Rowland, Robert
Ruthenium
Saenger, Eugene
Savannah River
School of Aviation Medicine (DOD/USAF/SAM)
Scientific Data
Scientific Equipment
Scientific Method
Scientific Misconduct
Scientific Standards
Scott, Kenneth
Seaborg, Glenn T.
Secrecy
Shimkin, Michael
Sloan-Kettering Institute
Space Flight
Spencer, R. R.
Spermatogenesis
Standards
Stanford University
Stannard, J. Newell
Stone, Robert
Subcommittee on Human Applications
Subject Consent
Subjects
Suppliers/Vendors
Surgeon General--See Office of the
Surveys
Telemetry
Teletherapy

Texas Tech University
Therapeutic Privilege
Thorium
Total Body Irradiation
Toxicity
Training
Truth-telling
Tube Alloy
Tulane University
University of California - Berkeley (UCB)
University of California - Berkeley (UCB): Radiation Laboratory
University of California - Los Angeles (UCLA)
University of California - San Diego (UCSD)
University of California - San Francisco (UCSF)
University of California - San Francisco (UCSF): Hospital
University of California San Francisco: Hospital
University of Chicago
University of Chicago: Billings Hospital
University of Chicago: Department of Radiology
University of Chicago: Metallurgical Laboratory
University of Cincinnati
University of Michigan
University of Rochester
University of Rochester: Department of Radiation Biology
University of Rochester: Metabolic Unit
University of Rochester: Strong Memorial Hospital
University of Tennessee
University of Texas
University of Utah
University of Washington
University Research
Uranium Mining/Miners/Milling
U.S. Geological Survey
Vanderbilt University
Veterans Administration (VA)
Voluntariness
Volunteers
Vulnerable Populations
Walter Reed Army Institute of Research (DOD/USA)
Walter Reed Army Medical Center (DOD/USA/WRAMC)
War Department (War)
Warren, Shields
Warren, Stafford
Washington State Prison (Walla Walla)
Weapons Effectiveness
Weapons Research
Whole Body Counter
Wilson, Carroll
Wirth, John
Yttrium
Zirconium

## Subject Index

**49**
DOE-070194-A-30, DOE-070194-A-6, DOE-070194-A-9

**Advisory Committee for Biology and Medicine (AEC/ACBM)**
DOE-050195-B-1, DOE-051094-A-222, DOE-051094-A-311, DOE-051094-A-49, DOE-051094-A-617, DOE-061794-C-1, DOE-061794-C-2, DOE-061794-C-2, DOE-061794-C-4, DOE-061794-C-5, DOE-061794-C-6, DOE-071494-A-4, DOE-072694-A-2, DOE-072694-A-4, DOE-072694-A-5, DOE-092694-A-2, DOE-092694-B-1, DOE-092694-B-4, DOE-113094-B-11, DOE-113094-B-3, DOE-120894-E-4, DOE-012795-C-1, DOE-012795-C-2, DOE-032995-A-4, DOE-061395-A-3, NARA-020895-A-1

**Advisory Committee on Human Radiation Experiments (ACHRE)**
ACHRE-021095-B-1

**Advisory Committee on Isotope Distribution Policy (MED): Subcommittee on Allocation and Distribution**
DOE-051094-A-314, DOE-012795-C-2

**Aebersold, Paul C.**
DOE-072694-A-3, DOE-120894-E-27, DOE-120894-E-69, DOE-120994-A-1, DOE-121294-B-3, DOE-021095-B-4, DOE-032995-A-1, IND-071395-A-6, NARA-082294-A-119, NARA-082294-A-138, NARA-082294-A-142, NARA-082294-A-114, NARA-082294-A-116, TEX-101294-A-1, TEX-101294-A-2, TEX-101294-A-3, UCLA-111094-A-10, UCLA-111094-A-9

**Agency Histories**
DOE-050195-B-1, DOD-062494-A-2, DOD-071494-A-1, DOD-072294-C-1, DOD-082294-B-1, DOD-082294-B-2, DOD-082294-B-3, DOD-102894-A-1, DOD-102894-A-3, DOD-102894-A-4, DOD-102894-A-5, DOD-111594-A-1, DOD-120694-A-12, DOD-120694-A-20, DOD-120694-A-26, DOD-120694-A-42, DOD-012295-A-3, DOD-012295-A-4, DOD-042595-A-1, DOE-051094-A-17, DOE-051094-A-19, DOE-051094-A-199, DOE-051094-A-2, DOE-051094-A-201, DOE-051094-A-202, DOE-051094-A-278, DOE-051094-A-301, DOE-051094-A-306, DOE-051094-A-310, DOE-051094-A-311, DOE-051094-A-315, DOE-051094-A-436, DOE-051094-A-454, DOE-051094-A-458, DOE-051094-A-460, DOE-051094-A-462, DOE-051094-A-467, DOE-051094-A-497, DOE-051094-A-586, DOE-051094-A-596, DOE-051094-A-597, DOE-060794-B-1,

DOE-060794-B-10, DOE-060794-B-11, DOE-060794-B-12, DOE-060794-B-14, DOE-060794-B-15, DOE-060794-B-16, DOE-060794-B-17, DOE-060794-B-18, DOE-060794-B-19, DOE-060794-B-2, DOE-060794-B-23, DOE-060794-B-24, DOE-060794-B-26, DOE-060794-B-27, DOE-060794-B-3, DOE-060794-B-33, DOE-060794-B-4, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-7, DOE-060794-B-9, DOE-070794-C-27, DOE-071494-A-1, DOE-071494-A-2, DOE-071494-A-4, DOE-071494-A-5, DOE-071494-A-6, DOE-071494-A-7, DOE-071494-A-8, DOE-072694-A-1, DOE-072694-B-52, DOE-082294-B-4, DOE-082294-B-5, DOE-082294-B-6, DOE-082294-B-7, DOE-090694-A-2, DOE-093094-A-21, DOE-093094-A-22, DOE-093094-A-26, DOE-101194-A-1, DOE-101194-A-6, DOE-101194-A-7, DOE-101194-A-9, DOE-110894-A-1, DOE-110894-A-2, DOE-110894-A-4, DOE-120294-B-12, DOE-120294-B-13, DOE-120294-B-14, DOE-120294-B-15, DOE-120294-B-16, DOE-120294-B-3, DOE-120294-B-4, DOE-120294-B-5, DOE-120894-E-10, DOE-120894-E-17, DOE-120894-E-50, DOE-120894-E-51, DOE-120894-E-55, DOE-120894-E-56, DOE-120894-E-62, DOE-120894-E-65, DOE-120894-E-66, DOE-120894-E-72, DOE-120894-E-73, DOE-120894-E-76, DOE-120994-A-16, DOE-121294-B-1, DOE-121294-B-8, DOE-032995-A-4, DOE-052395-A-1, HHS-072894-A-1, HHS-090794-A-2, HHS-090794-A-3, DOE-082294-B-4, DOE-120594-C-1, DOE-120594-C-1, IND-091594-A-1, NARA-070794-A-6, NARA-082294-A-135, NARA-082294-A-137, NARA-082294-A-139, NARA-082294-A-152, NARA-082294-A-55, NARA-032495-A-0, NARA-052495-A-1, TEX-101294-A-1, UCLA-111094-A-16, UCLA-111094-A-17, UCLA-111094-A-21, UCLA-111094-A-22, UCLA-111094-A-29, VCU-012595-A-10, VCU-012595-A-2, VCU-012595-A-4, VCU-012595-A-6

**Air Force (DOD/USAF)**

DOD-042994-A-17, DOD-062194-B-1, DOD-062194-B-2, DOD-062194-B-3, DOD-062194-B-4, DOD-062194-B-5, DOD-062194-B-6, DOD-062194-B-7, DOD-062194-B-8, DOD-062194-B-9, DOD-062494-A-20, DOD-072294-B-1, DOD-072294-C-1, DOD-072294-C-2, DOD-072294-C-3, DOD-072294-C-4, DOD-072294-C-5, DOD-072794-B-1, DOD-072794-B-10, DOD-072794-B-11, DOD-072794-B-12, DOD-072794-B-13, DOD-072794-B-14, DOD-072794-B-16, DOD-072794-B-17, DOD-072794-B-18, DOD-072794-B-19, DOD-072794-B-2, DOD-072794-B-20, DOD-072794-B-21, DOD-072794-B-3, DOD-072794-B-4, DOD-072794-B-5, DOD-072794-B-6, DOD-072794-B-7, DOD-072794-B-8, DOD-072794-B-9, DOD-072794-C-29, DOD-080594-A-1, DOD-080694-A-1, DOD-080694-A-2, DOD-080694-A-3, DOD-080694-A-4, DOD-080694-A-5, DOD-080694-A-6, DOD-090994-B-1, DOD-092794-A-1, DOD-102894-A-2, DOD-102894-A-3, DOD-102894-A-4, DOD-102894-A-5, DOD-120694-A-10, DOD-120694-A-28, DOD-120694-A-31, DOD-120694-A-41, DOD-120694-A-45, DOD-120694-A-6, DOD-120694-A-7, DOD-030895-F-2, DOE-050394-A-1, DOE-051094-A-144, DOE-051094-A-208, DOE-051094-A-212, DOE-051094-A-355, DOE-051094-A-537, DOE-051094-A-550, DOE-051094-A-551, DOE-072694-B-6, DOE-082294-B-59, DOE-093094-A-12, DOE-093094-A-25, DOE-121594-A-1, DOE-122194-B-1, DOE-041295-A-4, HHS-090794-A-3, DOD-083094-A-1, DOD-083094-A-2, VCU-012595-A-8

**Aircraft Nuclear Propulsion (ANP/NEPA)**

DOD-092794-A-1

**American Cancer Society (ACS)**

DOE-122294-A-2

**Americium injection**

UCLA-111094-A-1

**Andrews, Gould**

DOE-051094-A-531, DOE-051094-A-533, DOE-051094-A-544, DOE-070794-C-25, DOE-070794-C-26, DOE-101194-A-15, NARA-082294-A-106

**Animal Experimentation**

DOD-042994-A-14, DOD-081994-A-1, DOD-120694-A-13, DOD-120694-A-14, DOD-120694-A-30, DOD-121994-C-1, DOD-122294-D-1, DOD-042595-A-1, DOE-051094-A-427, DOE-070194-A-36, DOE-070194-A-37, DOE-070194-A-41, DOE-070194-A-42, DOE-070794-A-1, DOE-072694-B-56, DOE-011195-B-1, DOE-022195-A-3, DOE-033095-A-1, HAR-062394-A-1, IND-071395-A-1, IND-071395-A-2, IND-071395-A-9, NARA-082294-A-108, NARA-082294-A-120, NARA-082294-A-123, WASH-112294-A-5, UCLA-111094-A-13, UCLA-111094-A-33, VCU-012595-A-1, VCU-012595-A-14, VCU-012595-A-2, VCU-012595-A-4, VCU-012595-A-5

**Argonne National Laboratory (DOE/ANL)**

DOE-050195-B-1, DOD-121294-C-2, DOD-021095-A-4, DOE-051094-A-119, DOE-051094-A-120, DOE-051094-A-196, DOE-051094-A-198, DOE-051094-A-219, DOE-051094-A-220, DOE-051094-A-222, DOE-051094-A-370, DOE-051094-A-378, DOE-051094-A-426, DOE-051094-A-472, DOE-051094-A-508, DOE-051094-A-607, DOE-051094-A-608, DOE-051094-A-616, DOE-051094-A-618, DOE-051094-A-76, DOE-051094-A-93, DOE-070194-A-12, DOE-071494-A-2, DOE-090694-A-1, DOE-090694-A-5,

NARA-082294-A-109, NARA-082294-A-44, NARA-052495-A-1, UCLA-111094-A-28

**Argonne National Laboratory (DOE/ANL): Cancer Hospital**

DOE-051094-A-584, DOE-101194-A-3, DOE-120994-A-20

**Argonne National Laboratory (DOE/ANL): Center for Human Radiobiology**

DOE-051094-A-37, DOE-060794-B-1, DOE-060794-B-11, DOE-082294-B-1, DOE-082294-B-18, DOE-082294-B-28, DOE-082294-B-35, NARA-082294-A-38

**Armed Forces Medical Policy Council (DOD/OSD/AFMPC)**

DOD-091694-A-1, DOD-040895-A-1, NARA-012395-A-5

**Armed Forces Special Weapons Project (DOD/AFSWP)**

BAY-101794-A-1, CORP-010395-A-1, DOD-062194-A-3, DOD-071194-A-7, DOD-090994-D-1, DOD-021095-A-1, DOD-021095-A-10, DOD-021095-A-11, DOD-021095-A-12, DOD-021095-A-13, DOD-021095-A-14, DOD-021095-A-15, DOD-021095-A-16, DOD-021095-A-17, DOD-021095-A-18, DOD-021095-A-19, DOD-021095-A-2, DOD-021095-A-20, DOD-021095-A-21, DOD-021095-A-22, DOD-021095-A-23, DOD-021095-A-24, DOD-021095-A-25, DOD-021095-A-5, DOD-021095-A-6, DOD-021095-A-7, DOD-021095-A-8, DOD-021095-A-9, DOD-021795-A-1, DOD-021795-A-3, DOD-030895-F-1, DOD-030895-F-2, DOD-030895-F-4, DOD-030895-F-5, DOE-070194-A-32, DOE-072694-B-40, DOE-072694-B-42, DOE-090694-A-4, DOE-090694-A-6, DOE-090694-A-8, DOE-092694-B-1, DOE-092694-B-6, DOE-093094-A-1, DOE-093094-A-10, DOE-093094-A-11, DOE-093094-A-13, DOE-093094-A-2, DOE-093094-A-3, DOE-093094-A-4, DOE-093094-A-5, DOE-093094-A-6, DOE-093094-A-7, DOE-093094-A-8, DOE-093094-A-9, DOE-041295-A-1, DOE-041295-A-4, DOD-090994-C-1, SMITH-120994-A-1, VCU-012595-A-2, VCU-012595-A-8

**Army (DOD/USA)**

CIA-020795-A-1, DOD-042994-A-16, DOD-042994-A-19, DOD-061094-A-1, DOD-072794-B-22, DOD-082294-B-2, DOD-082294-B-3, DOD-090994-D-2, DOD-091494-A-4, DOD-120694-A-10, DOD-120694-A-11, DOD-120694-A-12, DOD-120694-A-13, DOD-120694-A-14, DOD-120694-A-15, DOD-120694-A-2, DOD-120694-A-22, DOD-120694-A-23, DOD-120694-A-24, DOD-120694-A-25, DOD-120694-A-27, DOD-120694-A-28, DOD-120694-A-29, DOD-120694-A-3, DOD-120694-A-31, DOD-120694-A-33, DOD-120694-A-34, DOD-120694-A-35, DOD-120694-A-39, DOD-120694-A-4, DOD-120694-A-41, DOD-120694-A-45, DOD-120694-A-47, DOD-120694-A-5, DOD-120694-A-50, DOD-120694-A-51, DOD-120694-A-6, DOD-120694-A-7, DOD-120694-A-8, DOD-120694-A-9, DOD-012295-A-2, DOD-012295-A-3, DOD-012295-A-4, DOD-022295-B-1, DOD-030195-B-1, DOD-030195-B-2, DOD-030195-B-3, DOD-030895-F-3, DOE-051094-A-177, DOE-051094-A-222, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-289, DOE-051094-A-290, DOE-051094-A-313, DOE-051094-A-339, DOE-051094-A-341, DOE-051094-A-344, DOE-051094-A-510, DOE-051094-A-537, DOE-051094-A-553, DOE-051094-A-94, DOE-061794-B-21, DOE-090694-A-6, DOE-113094-B-1, DOD-012295-A-1, NARA-070794-A-1, NARA-070794-A-2, NARA-082294-A-129, NARA-082294-A-18, NARA-082294-A-45, NARA-012395-A-2, NARA-012395-A-3, NARA-012395-A-4, NARA-032495-A-0, UCIN-103194-A-1, VCU-012595-A-14, VCU-012595-A-4

**Atmospheric Sampling**

DOE-122194-B-1

**Atomic Bomb Casualty Commission (ABCC)**

DOD-042994-A-18, DOD-062494-A-20, DOE-072694-A-2

**Atomic Energy Commission (AEC)**

ACHRE-041495-B-1, DOE-050195-B-1, CON-042894-A-3, CON-050594-A-1, CORP-051894-A-1, CORP-010395-A-2, CORP-010395-A-3, CORP-013095-A-1, CORP-013095-A-2, DOD-042994-A-11, DOD-042994-A-14, DOD-062194-B-10, DOD-062194-B-11, DOD-062194-B-14, DOD-071194-A-3, DOD-071194-A-6, DOD-071194-A-7, DOD-072794-B-15, DOD-091494-A-3, DOD-100694-A-1, DOD-122394-A-1, DOD-010395-C-1, DOD-010395-C-2, DOD-021095-A-1, DOD-021095-A-10, DOD-021095-A-11, DOD-021095-A-12, DOD-021095-A-13, DOD-021095-A-14, DOD-021095-A-15, DOD-021095-A-18, DOD-021095-A-19, DOD-021095-A-2, DOD-021095-A-20, DOD-021095-A-21, DOD-021095-A-22, DOD-021095-A-23, DOD-021095-A-24, DOD-021095-A-25, DOD-021095-A-3, DOD-021095-A-4, DOD-021095-A-5, DOD-021095-A-6, DOD-021095-A-7, DOD-021095-A-8, DOD-021795-A-1, DOD-021795-A-2, DOD-030895-F-2, DOD-032895-A-1, DOD-032895-A-2, DOE-050394-A-10, DOE-050394-A-11, DOE-050394-A-3, DOE-050394-A-4, DOE-050394-A-5, DOE-050394-A-6, DOE-050394-A-7, DOE-050394-A-8, DOE-050394-A-9, DOE-051094-A-100, DOE-051094-A-102, DOE-051094-A-111, DOE-051094-A-120, DOE-051094-A-123, DOE-051094-A-138, DOE-051094-A-140, DOE-051094-A-141, DOE-051094-A-142, DOE-051094-A-147, DOE-051094-A-148, DOE-051094-A-149, DOE-051094-A-150, DOE-051094-A-151, DOE-051094-A-152, DOE-051094-A-153, DOE-051094-A-154, DOE-051094-A-156, DOE-051094-A-160, DOE-051094-A-163,

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DOE-082294-B-17, DOE-082294-B-18, DOE-082294-B-19, DOE-082294-B-2, DOE-082294-B-20, DOE-082294-B-21, DOE-082294-B-22, DOE-082294-B-23, DOE-082294-B-24, DOE-082294-B-25, DOE-082294-B-26, DOE-082294-B-27, DOE-082294-B-28, DOE-082294-B-29, DOE-082294-B-30, DOE-082294-B-32, DOE-082294-B-33, DOE-082294-B-34, DOE-082294-B-35, DOE-082294-B-36, DOE-082294-B-37, DOE-082294-B-38, DOE-082294-B-4, DOE-082294-B-42, DOE-082294-B-45, DOE-082294-B-46, DOE-082294-B-47, DOE-082294-B-48, DOE-082294-B-49, DOE-082294-B-50, DOE-082294-B-51, DOE-082294-B-52, DOE-082294-B-53, DOE-082294-B-54, DOE-082294-B-55, DOE-082294-B-56, DOE-082294-B-58, DOE-082294-B-61, DOE-082294-B-62, DOE-082294-B-63, DOE-082294-B-64, DOE-082294-B-65, DOE-082294-B-66, DOE-082294-B-67, DOE-082294-B-7, DOE-082294-B-70, DOE-082294-B-8, DOE-090694-A-1, DOE-090694-A-2, DOE-090694-A-3, DOE-090694-A-4, DOE-090694-A-5, DOE-090694-A-6, DOE-090694-A-7, DOE-090694-A-8, DOE-091994-B-2, DOE-092694-A-1, DOE-092694-A-2, DOE-092694-A-3, 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NARA-082294-A-32, NARA-082294-A-36, NARA-082294-A-46, NARA-082294-A-50, NARA-082294-A-58, NARA-082294-A-59,

NARA-082294-A-62, NARA-082294-A-65, NARA-082294-A-68, NARA-082294-A-69, NARA-082294-A-73, NARA-082294-A-80, NARA-082294-A-81, NARA-082294-A-82, NARA-082294-A-85, NARA-082294-A-86, NARA-082294-A-87, NARA-082294-A-88, NARA-082294-A-89, NARA-082294-A-90, NARA-082294-A-91, NARA-082294-A-93, NARA-082294-A-94, NARA-082294-A-95, NARA-082294-A-96, NARA-082294-A-97, NARA-082294-A-99, NARA-082294-A-115, DOD-090994-C-1, CON-042894-A-2, SMITH-120994-A-1, WASH-112294-A-4, WASH-112294-A-5, WASH-112294-A-6, TEX-101294-A-1, TEX-101294-A-2, TEX-101294-A-3, TEX-101294-A-4, UCLA-111094-A-21, UCLA-111094-A-23, UCLA-111094-A-30, UCLA-111094-A-24, UCLA-111094-A-25, UCLA-111094-A-9, UCLA-111094-A-26, UCLA-111094-A-29, UCLA-090194-A-4, UCLA-090194-A-5

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DOE-051094-A-10, DOE-051094-A-24, DOE-051094-A-40, DOE-051094-A-41, DOE-051094-A-42, DOE-061794-B-10, DOE-061794-B-13, DOE-061794-B-5, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, UCLA-090194-A-8

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DOE-051094-A-23, DOE-051094-A-25, DOE-051094-A-39, DOE-051094-A-43, DOE-061794-B-12, DOE-061794-B-2, DOE-061794-B-23, NARA-082294-A-39, UCLA-090194-A-8

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DOE-051094-A-1

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NARA-082294-A-43

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DOD-062194-B-9

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DOE-113094-B-8

**Chemical Corps (DOD/USA/CC)**
CIA-020795-A-1, CORP-010395-A-1, CORP-010395-A-3, CORP-010395-A-5, CORP-010395-A-6, DOD-062494-A-1, DOD-071194-A-1, DOD-071194-A-2, DOD-071194-A-4, DOD-071194-A-5, DOD-090994-D-1, DOD-100694-A-2, DOD-113094-A-1, DOD-122294-D-1, DOD-122294-D-2, DOD-122894-A-1, DOD-010395-C-1, DOD-021095-A-13, DOD-030195-B-3, DOD-030895-F-1, DOD-030895-F-2, DOD-030895-F-4, DOD-030895-F-5, DOD-032895-A-1, DOD-032895-A-2, DOE-072694-B-1, DOE-072694-B-10, DOE-072694-B-11, DOE-072694-B-12, DOE-072694-B-13, DOE-072694-B-14, DOE-072694-B-15, DOE-072694-B-16, DOE-072694-B-17, DOE-072694-B-18, DOE-072694-B-19, DOE-072694-B-2, DOE-072694-B-20, DOE-072694-B-21, DOE-072694-B-22, DOE-072694-B-23, DOE-072694-B-24, DOE-072694-B-25, DOE-072694-B-26, DOE-072694-B-27, DOE-072694-B-28, DOE-072694-B-29, DOE-072694-B-3, DOE-072694-B-30, DOE-072694-B-31, DOE-072694-B-32, DOE-072694-B-39, DOE-072694-B-4, DOE-072694-B-41, DOE-072694-B-42, DOE-072694-B-43, DOE-072694-B-46, DOE-072694-B-47, DOE-072694-B-5, DOE-072694-B-50, DOE-072694-B-51, DOE-072694-B-52, DOE-072694-B-53, DOE-072694-B-58, DOE-072694-B-59, DOE-072694-B-6, DOE-072694-B-60, DOE-072694-B-61, DOE-072694-B-7, DOE-072694-B-8, DOE-072694-B-9, DOE-092694-B-1, DOE-092694-B-6, DOE-120994-A-24, DOE-120994-A-26, DOE-012595-B-2, DOE-012595-B-3, DOE-012595-B-4, DOE-012595-B-5, DOE-012595-B-6, DOE-041295-A-1, DOE-041295-A-2, DOE-041295-A-4, NARA-112294-A-1, NARA-112294-A-10, NARA-112294-A-2, NARA-112294-A-3, NARA-112294-A-4, NARA-112294-A-5, NARA-112294-A-6, NARA-112294-A-7, NARA-112294-A-8, NARA-112294-A-9, DOD-083094-A-1, DOD-083094-A-2, DOD-090994-C-1, CON-042894-A-4, SMITH-120994-A-1

**CHI 1 2 or 3**
DOE-051094-A-7

**Children**
DOD-080694-A-7, DOE-060794-B-42, DOE-072694-B-70, DOE-072694-B-72, DOE-121294-B-2, DOE-021095-B-9, DOE-052395-A-1, NARA-082294-A-136, NARA-032495-A-0

**Cincinnati Experiments**
ACHRE-021095-B-1, DOD-042994-A-16, DOD-042994-A-18, DOD-042994-A-19, DOD-042994-A-20, DOD-042994-A-21, DOD-042994-A-22, DOE-051094-A-433, IND-091594-A-1, UCIN-103194-A-1

**Classified Research**

DOD-062194-B-13, DOD-062194-B-8, DOD-072294-B-2, DOD-072294-B-3, DOD-072794-B-10, DOD-072794-B-15, DOD-072794-B-7, DOD-080694-A-8, DOD-080694-A-9, DOD-100694-A-1, DOD-102894-A-2, DOD-120694-A-10, DOD-120694-A-45, DOD-120694-A-5, DOD-020995-A-1, DOD-020995-A-2, DOE-051094-A-17, DOE-051094-A-603, DOE-051094-A-613, DOE-051094-A-614, DOE-051094-A-617, DOE-051094-A-621, DOE-072694-A-4, DOE-072694-A-5, DOE-072694-B-69, DOE-082294-B-1, DOE-082294-B-38, DOE-082294-B-72, DOE-090694-A-3, DOE-092694-A-3, DOE-101394-A-1, DOE-101394-A-2, DOE-101494-B-1, DOE-113094-B-10, DOE-113094-B-11, DOE-113094-B-12, DOE-120294-B-15, DOE-120594-D-1, DOE-120894-E-17, DOE-120894-E-19, DOE-120894-E-23, DOE-120894-E-29, DOE-120894-E-30, DOE-120894-E-32, DOE-120894-E-43, DOE-120894-E-44, DOE-120894-E-64, DOE-120894-E-81, DOE-120894-E-83, DOE-120894-E-84, DOE-120994-A-2, DOE-120994-A-4, DOE-120994-B-1, DOE-121294-C-1, DOE-121294-C-2, DOE-011195-B-1, DOE-012795-C-2, DOE-020795-B-1, DOE-032995-A-4, DOE-040395-A-1, DOE-040395-A-2, DOE-050495-B-1, DOE-050495-B-3, DOE-050595-B-1, DOE-061395-A-2, DOE-061395-A-3, HHS-071394-A-3, HHS-092794-A-1, IND-071395-A-15, IND-071395-A-5, IND-071395-A-7, NARA-082294-A-110, NARA-082294-A-54, NARA-012495-A-1, UCLA-111094-A-26, UCLA-090194-A-6, DOE-050495-B-2

**Clinton Laboratory (War/CE/MED)**

DOE-051094-A-34, DOE-051094-A-359, DOE-051094-A-378, DOE-061794-A-1, DOE-061794-B-3, DOE-061794-B-6, DOE-070194-A-10, DOE-070194-A-11, DOE-070194-A-36, DOE-071494-A-7, DOE-071494-A-8, DOE-090694-A-1, DOE-101194-A-10, DOE-101194-A-11, DOE-101194-A-6, DOE-101194-A-7, DOE-101194-A-8, DOE-101194-A-9, DOE-113094-B-6, DOE-120894-E-16, DOE-120894-E-65, DOE-120894-E-8, DOE-120994-A-14, DOE-120994-A-5, DOE-121494-D-3, NARA-082294-A-124, NARA-082294-A-139, NARA-082294-A-153, NARA-082294-A-155, NARA-082294-A-157, NARA-082294-A-161, NARA-082294-A-162, NARA-082294-A-163, NARA-082294-A-164, NARA-082294-A-165, NARA-082294-A-34, NARA-082294-A-47, UCLA-111094-A-18

**Cloud Sampling**

DOE-031095-B-1

**Coercion**

DOE-070794-C-26

**Columbium**

DOE-113094-B-8

**Committee on Medical Research (EOP/OSRD/CMR)**

NARA-060794-A-1

**Compensation**

DOD-062494-A-20

**Conant, James**

CORP-010395-A-3, DOD-010395-C-1

**Congress**

CON-050594-A-1, DOD-042994-A-2, DOD-042994-A-7, DOE-051094-A-104, DOE-051094-A-150, DOE-051094-A-152, DOE-051094-A-153, DOE-051094-A-22, DOE-051094-A-250, DOE-051094-A-31, DOE-051094-A-32, DOE-051094-A-377, DOE-051094-A-433, DOE-051094-A-46, DOE-051094-A-47, DOE-051094-A-50, DOE-051094-A-532, DOE-051094-A-578, DOE-051094-A-579, DOE-051094-A-588, DOE-051094-A-63, DOE-051094-A-76, DOE-051094-A-81, DOE-051094-A-87, DOE-082294-B-32, DOE-061395-D-1, IND-091594-A-1

**Consent**

CON-030795-A-1, CON-030795-A-2, CORP-010995-A-1, DOD-042994-A-5, DOD-062194-A-2, DOD-062194-A-4, DOD-062494-A-21, DOD-062494-A-22, DOD-062494-A-23, DOD-062494-A-24, DOD-072794-B-6, DOD-090994-C-4, DOD-111594-A-1, DOD-120694-A-1, DOD-120694-A-2, DOD-120694-A-3, DOD-120694-A-4, DOD-012295-A-2, DOD-012295-A-4, DOD-042595-A-1, DOE-051094-A-100, DOE-051094-A-137, DOE-051094-A-177, DOE-051094-A-196, DOE-051094-A-217, DOE-051094-A-218, DOE-051094-A-220, DOE-051094-A-226, DOE-051094-A-228, DOE-051094-A-229, DOE-051094-A-230, DOE-051094-A-232, DOE-051094-A-233, DOE-051094-A-236, DOE-051094-A-238, DOE-051094-A-243, DOE-051094-A-244, DOE-051094-A-337, DOE-051094-A-37, DOE-051094-A-379, DOE-051094-A-414, DOE-051094-A-449, DOE-051094-A-468, DOE-051094-A-480, DOE-051094-A-587, DOE-051094-A-603, DOE-051094-A-606, DOE-051094-A-608, DOE-051094-A-613, DOE-051094-A-614, DOE-051094-A-615, DOE-051094-A-94, DOE-051094-A-97, DOE-051094-A-99, DOE-060794-B-16, DOE-060794-B-17, DOE-060794-B-18, DOE-060794-B-19, DOE-060794-B-2, DOE-060794-B-24, DOE-060794-B-28, DOE-060794-B-3,

DOE-060794-B-30, DOE-060794-B-34, DOE-060794-B-35, DOE-060794-B-4, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-9, DOE-062494-A-1, DOE-062494-A-2, DOE-070794-C-1, DOE-070794-C-10, DOE-070794-C-2, DOE-070794-C-20, DOE-070794-C-27, DOE-070794-C-6, DOE-082294-B-57, DOE-082294-B-68, DOE-082294-B-70, DOE-101194-A-13, DOE-110894-A-3, DOE-112194-D-1, DOE-112194-D-2, DOE-120994-A-27, DOE-120994-B-1, DOE-120994-B-3, DOE-121294-D-11, DOE-121294-D-12, DOE-121294-D-13, DOE-121294-D-14, DOE-121294-D-15, DOE-121294-D-16, DOE-121294-D-17, DOE-121294-D-18, DOE-121494-C-1, DOE-121494-C-3, DOE-121494-C-4, DOE-122794-B-1, DOE-122994-A-1, DOE-041495-A-1, DOE-052295-A-1, HHS-072894-A-1, HHS-090794-A-2, HHS-090794-A-3, DOD-040895-A-1, IND-101294-D-2, IND-110994-A-1, IND-011195-A-1, NARA-082294-A-101, NARA-082294-A-99, NARA-102594-A-1, NARA-032495-A-0, WASH-112294-A-5, UCLA-111094-A-25, MIC-010495-A-8

**Consent--Verbal**

DOD-111594-A-1, DOE-051094-A-196, DOE-072294-A-16, HHS-072894-A-1, HHS-090794-A-2

**Consent--Written**

DOD-062194-A-4, DOD-111594-A-1, DOD-012295-A-2, DOD-012295-A-3, DOD-012295-A-4, DOE-060794-B-23, DOE-060794-B-34, DOE-060794-B-35, DOE-070794-C-26, DOE-072294-A-1, DOE-072294-A-16, DOE-052295-A-1, HHS-072894-A-1, HHS-090794-A-2, DOD-040895-A-1, DOD-012295-A-1, WASH-112294-A-3, VCU-012595-A-22

**Consent Forms**

CORP-010995-A-1, DOD-042994-A-13, DOD-042994-A-21, DOD-042994-A-22, DOD-062194-A-2, DOD-062494-A-21, DOD-062494-A-23, DOD-062494-A-24, DOD-111594-A-1, DOD-012295-A-2, DOD-012295-A-3, DOD-012295-A-4, DOD-020695-B-2, DOE-051094-A-137, DOE-051094-A-2, DOE-051094-A-228, DOE-051094-A-229, DOE-051094-A-449, DOE-051094-A-604, DOE-051094-A-94, DOE-051094-A-97, DOE-060794-B-12, DOE-060794-B-17, DOE-060794-B-18, DOE-060794-B-23, DOE-060794-B-24, DOE-060794-B-28, DOE-060794-B-30, DOE-060794-B-31, DOE-060794-B-34, DOE-060794-B-35, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-7, DOE-060794-B-9, DOE-062494-A-1, DOE-070794-C-27, DOE-082294-B-65, DOE-082294-B-68, DOE-082294-B-69, DOE-052295-A-1, HHS-072894-A-1, HHS-090794-A-2, DOD-040895-A-1, DOD-012295-A-1, HAR-100394-A-5, NARA-070794-A-4, NARA-070794-A-8, VCU-012595-A-22, DOD-020695-B-1

**Contract Laboratories**

DOD-062194-B-10, DOD-062194-B-11, DOD-062194-B-13, DOD-062194-B-7, DOD-062194-B-9, DOD-072294-C-5, DOD-072794-B-22, DOD-072794-B-3, DOD-120694-A-3, DOE-051094-A-140, DOE-051094-A-142, DOE-051094-A-143, DOE-051094-A-144, DOE-051094-A-154, DOE-051094-A-155, DOE-051094-A-156, DOE-051094-A-226, DOE-051094-A-261, DOE-051094-A-267, DOE-051094-A-277, DOE-051094-A-286, DOE-051094-A-298, DOE-051094-A-313, DOE-051094-A-327, DOE-051094-A-334, DOE-051094-A-336, DOE-051094-A-337, DOE-051094-A-351, DOE-051094-A-352, DOE-051094-A-353, DOE-051094-A-354, DOE-051094-A-355, DOE-051094-A-356, DOE-051094-A-357, DOE-051094-A-358, DOE-051094-A-359, DOE-051094-A-375, DOE-051094-A-376, DOE-051094-A-379, DOE-051094-A-391, DOE-051094-A-393, DOE-051094-A-394, DOE-051094-A-414, DOE-051094-A-421, DOE-051094-A-471, DOE-051094-A-481, DOE-051094-A-485, DOE-051094-A-486, DOE-051094-A-487, DOE-051094-A-535, DOE-051094-A-569, DOE-051094-A-57, DOE-051094-A-571, DOE-051094-A-572, DOE-051094-A-578, DOE-051094-A-579, DOE-051094-A-580, DOE-051094-A-582, DOE-051094-A-584, DOE-051094-A-586, DOE-051094-A-588, DOE-051094-A-590, DOE-051094-A-65, DOE-051094-A-89, DOE-051094-A-91, DOE-051094-A-93, DOE-060794-B-20, DOE-060794-B-33, DOE-060794-B-35, DOE-061794-B-19, DOE-070794-C-21, DOE-070794-C-24, DOE-072694-A-2, DOE-082294-B-1, DOE-082294-B-13, DOE-082294-B-17, DOE-082294-B-18, DOE-082294-B-2, DOE-082294-B-50, DOE-082294-B-51, DOE-082294-B-52, DOE-082294-B-53, DOE-082294-B-54, DOE-082294-B-59, DOE-082294-B-60, DOE-082294-B-61, DOE-082294-B-62, DOE-082294-B-63, DOE-082294-B-64, DOE-082294-B-65, DOE-082294-B-67, DOE-082294-B-69, DOE-090694-A-1, DOE-113094-B-2, DOE-120294-B-12, DOE-120294-B-15, DOE-120294-B-6, DOE-120894-E-22, DOE-120894-E-45, DOE-120894-E-49, DOE-120894-E-51, DOE-120894-E-52, DOE-120894-E-75, DOE-120894-E-89, DOE-120994-A-11, DOE-120994-A-7, DOE-120994-A-8, DOE-120994-A-9, NARA-082294-A-156, NARA-082294-A-109, NARA-082294-A-125, NARA-082294-A-133, NARA-082294-A-145, NARA-082294-A-151, NARA-082294-A-156, NARA-082294-A-162, NARA-082294-A-172, NARA-082294-A-44, NARA-082294-A-46, NARA-082294-A-58, NARA-082294-A-70, NARA-082294-A-71, NARA-082294-A-82, NARA-082294-A-86, NARA-082294-A-89, NARA-082294-A-91, NARA-082294-A-92, NARA-082294-A-93, NARA-082294-A-94, NARA-082294-A-95, NARA-082294-A-96, UCLA-090194-A-1, UCLA-090194-A-4

**Contracts/Contractors**
BAY-101794-A-1, BAY-101794-A-2, CIA-020795-A-1, DOD-042994-A-16, DOD-042994-A-19, DOD-042994-A-20, DOD-072794-B-1, DOD-072794-B-10, DOD-072794-B-22, DOD-072794-B-3, DOD-072794-B-5, DOD-080694-A-6, DOD-092894-A-2, DOE-051094-A-153, DOE-051094-A-155, DOE-051094-A-156, DOE-051094-A-241, DOE-051094-A-272, DOE-051094-A-284, DOE-051094-A-299, DOE-051094-A-307, DOE-051094-A-334, DOE-051094-A-337, DOE-051094-A-373, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-390, DOE-051094-A-391, DOE-051094-A-393, DOE-051094-A-394, DOE-051094-A-395, DOE-051094-A-417, DOE-051094-A-419, DOE-051094-A-421, DOE-051094-A-459, DOE-051094-A-568, DOE-051094-A-586, DOE-051094-A-60, DOE-051094-A-74, DOE-051094-A-75, DOE-060794-B-12, DOE-060794-B-20, DOE-060794-B-22, DOE-060794-B-34, DOE-061794-B-10, DOE-061794-B-12, DOE-061794-B-13, DOE-061794-B-14, DOE-061794-B-20, DOE-061794-B-6, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, DOE-070794-C-22, DOE-070794-C-23, DOE-072294-A-3, DOE-072694-A-2, DOE-082294-B-14, DOE-082294-B-23, DOE-082294-B-47, DOE-082294-B-48, DOE-082294-B-49, DOE-082294-B-50, DOE-082294-B-51, DOE-082294-B-52, DOE-082294-B-54, DOE-082294-B-55, DOE-082294-B-67, DOE-082294-B-68, DOE-090694-A-3, DOE-092694-A-2, DOE-093094-A-25, DOE-113094-B-2, DOE-120894-E-38, DOE-120894-E-45, DOE-120894-E-51, DOE-120894-E-52, DOE-120894-E-62, DOE-120894-E-67, DOE-120894-E-82, DOE-120894-E-90, DOE-120894-E-91, DOE-120994-A-10, DOE-120994-A-11, DOE-120994-A-6, DOE-120994-A-7, DOE-120994-A-8, DOE-120994-A-9, NARA-082294-A-156, DOE-012595-B-2, DOE-012595-B-4, DOE-021695-A-1, DOE-022195-A-2, DOE-022195-A-5, HAR-062394-A-3, IND-071395-A-8, NARA-082294-A-110, NARA-082294-A-121, NARA-082294-A-139, NARA-082294-A-143, NARA-082294-A-152, NARA-082294-A-156, NARA-082294-A-172, NARA-082294-A-58, NARA-082294-A-64, NARA-082294-A-70, NARA-082294-A-87, NARA-082294-A-89, NARA-082294-A-92, NARA-082294-A-94, NARA-082294-A-96, UCLA-111094-A-23

**Cooney, James**
DOD-021095-A-8, DOE-051094-A-309, DOE-072694-B-29, NARA-070794-A-2, UCLA-090194-A-8

**Corps of Engineers (DOD/CE)**
DOE-113094-B-2

**Decontamination**
DOD-090994-D-1, NARA-082294-A-140, NARA-082294-A-141

**Defense Atomic Support Agency (DOD/DASA)**
BAY-101794-A-2, BAY-101794-A-3, DOD-042994-A-20, DOD-080694-A-7, DOD-081994-A-1, DOD-082694-A-1, DOD-100694-A-1, DOD-102894-A-5, DOD-120694-A-10, DOD-120694-A-25, DOD-120694-A-31, DOD-120694-A-37, DOD-120694-A-42, DOD-120694-A-8, DOD-010395-C-2, DOD-010395-C-3

**Defense Nuclear Agency (DOD/DNA)**
DOD-042994-A-5, DOD-102894-A-1

**Department of Defense (DOD)**
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**Department of Defense (DOD): Defense Atomic Support Agency (DASA)**
DOD-042994-A-1

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**Department of Health Education and Welfare (DHEW)**
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**Disclosure**
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**Division of Biology and Medicine (AEC/DBM)**
DOD-062194-B-14, DOE-051094-A-112, DOE-051094-A-34, DOE-051094-A-355, DOE-051094-A-606, DOE-070194-A-34, DOE-072294-A-4, DOE-072694-B-49, DOE-082294-B-71, DOE-090694-A-3, DOE-090694-A-5, DOE-092694-B-1, DOE-093094-A-16, DOE-093094-A-19, DOE-093094-A-21, DOE-093094-A-28, DOE-093094-A-30, DOE-093094-A-5, DOE-121294-B-2, DOE-121294-D-14, DOE-121294-D-9, DOE-122994-A-2, DOE-011895-B-3, DOE-012595-B-3, DOE-012595-B-6, DOE-020795-D-2, DOE-020795-D-3, DOE-020795-D-6, DOE-032195-B-1, DOE-041495-A-1, IND-071395-A-10, IND-071395-A-13, IND-071395-A-7, IND-071395-A-8, IND-071395-A-9, NARA-070794-A-2, NARA-082294-A-108, NARA-082294-A-46, NARA-082294-A-50, NARA-082294-A-58, UCLA-111094-A-30, UCLA-111094-A-12, UCLA-111094-A-29

**Division of Biomedical and Environmental Research (AEC)**
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NARA-082294-A-116

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**Dosage Guidelines**
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**Dose Reconstruction**
DOE-050694-B-4, DOE-120294-B-10, DOE-120294-B-11, DOE-120994-A-1, DOE-122194-A-1, DOE-122194-A-2, HAR-100394-A-5, DOE-120594-C-1, DOE-120594-C-1, TEX-101294-A-4, MIC-010495-A-6

**Doses Administered**
DOE-070794-C-10

**Dosimetry**
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**Dufour, J.T.**
DOE-070794-C-13
**Dugway Proving Ground (DOD/DPG)**
CORP-010395-A-1, DOD-071194-A-1, DOD-071194-A-2, DOD-071194-A-5, DOD-100694-A-2, DOD-113094-A-1, DOD-122294-D-1, DOD-122294-D-2, DOE-072694-B-1, DOE-072694-B-10, DOE-072694-B-11, DOE-072694-B-12, DOE-072694-B-13, DOE-072694-B-14, DOE-072694-B-15, DOE-072694-B-16, DOE-072694-B-17, DOE-072694-B-18, DOE-072694-B-19, DOE-072694-B-2, DOE-072694-B-20, DOE-072694-B-21, DOE-072694-B-22, DOE-072694-B-23, DOE-072694-B-26, DOE-072694-B-29, DOE-072694-B-3, DOE-072694-B-30, DOE-072694-B-31, DOE-072694-B-32, DOE-072694-B-4, DOE-072694-B-48, DOE-072694-B-49, DOE-072694-B-5, DOE-072694-B-50, DOE-072694-B-55, DOE-072694-B-59, DOE-072694-B-6, DOE-072694-B-60, DOE-072694-B-7, DOE-072694-B-8, DOE-072694-B-9, DOE-120994-A-24, DOE-120994-A-25, DOE-120994-A-26, DOE-012595-B-1, DOE-021095-B-1, NARA-112294-A-1, NARA-112294-A-10, NARA-112294-A-2, NARA-112294-A-3, NARA-112294-A-4, NARA-112294-A-5, NARA-112294-A-6, NARA-112294-A-7, NARA-112294-A-8, NARA-112294-A-9, DOD-083094-A-2, CON-042894-A-4, SMITH-120994-A-1
**Dunham, Charles L.**
DOE-051094-A-112, DOE-051094-A-209, DOE-051094-A-222, DOE-051094-A-251, DOE-051094-A-39, DOE-051094-A-42, DOE-051094-A-444, DOE-051094-A-445, DOE-051094-A-47, DOE-051094-A-471, DOE-051094-A-473, DOE-051094-A-474, DOE-051094-A-479, DOE-051094-A-48, DOE-051094-A-486, DOE-051094-A-50, DOE-051094-A-536, DOE-051094-A-567, DOE-051094-A-72, DOE-051094-A-78, DOE-051094-A-80, DOE-051094-A-81, DOE-051094-A-82, DOE-051094-A-84, DOE-051094-A-86, DOE-051094-A-87, DOE-051094-A-91, DOE-051094-A-96, DOE-072294-A-2, DOE-082294-B-26, DOE-082294-B-28, DOE-082294-B-29, DOE-082294-B-32, DOE-082294-B-33, DOE-082294-B-35, DOE-082294-B-36, DOE-082294-B-37, DOE-082294-B-38, DOE-093094-A-23, DOE-093094-A-30, DOE-122794-B-2, DOE-020795-D-2, DOE-041495-A-1, IND-071395-A-8, NARA-082294-A-108, NARA-082294-A-40, UCLA-111094-A-12
**Durbin, Patricia**
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**Dyer, R. E.**
UCLA-090194-A-8
**Eisenbud, Merrill**
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**Energy Research and Development Administration (ERDA)**
CORP-013095-A-2, IND-101294-D-1
**Enforcement**
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**Environmental Models**
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**Equipment**
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DOE-051094-A-516, DOE-051094-A-609, DOE-051094-A-61, DOE-051094-A-66, DOE-060794-B-35, DOE-060794-B-7, DOE-070794-C-10, DOE-070794-C-6, DOE-072694-A-1, DOE-052295-A-1, HHS-072894-A-1, HHS-090794-A-2, HHS-090794-A-3, HAR-062394-A-2, IND-011195-A-1, NARA-082294-A-1, NARA-082294-A-136, NARA-082294-A-157, NARA-082294-A-16, NARA-082294-A-17, NARA-082294-A-83, NARA-082294-A-96, NARA-102594-A-1, NARA-012395-A-5, NARA-032495-A-0, WASH-112294-A-2

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DOE-050195-B-1, DOD-062194-A-4, DOD-082294-B-1, DOD-082294-B-2, DOD-082294-B-3, DOD-090994-C-4, DOD-102894-A-1, DOD-111594-A-1, DOD-120694-A-1, DOD-120694-A-12, DOD-120694-A-2, DOD-120694-A-3, DOD-012295-A-2, DOD-012295-A-3, DOD-012295-A-4, DOD-042595-A-1, DOE-051094-A-100, DOE-051094-A-180, DOE-051094-A-181, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-217, DOE-051094-A-222, DOE-051094-A-224, DOE-051094-A-231, DOE-051094-A-232, DOE-051094-A-415, DOE-051094-A-45, DOE-051094-A-478, DOE-051094-A-516, DOE-051094-A-61, DOE-051094-A-92, DOE-051094-A-99, DOE-060794-B-35, DOE-070794-C-10, DOE-070794-C-21, DOE-071494-A-6, DOE-072294-A-16, DOE-072694-A-1, DOE-110894-A-3, DOE-052295-A-1, HHS-072894-A-1, HHS-090794-A-2, HHS-090794-A-3, DOD-040895-A-1, DOD-012295-A-1, HAR-062394-A-3, HAR-062394-A-1, HAR-062394-A-2, HAR-062394-A-4, HAR-100394-A-1, HAR-100394-A-3, NARA-082294-A-1, NARA-082294-A-136, NARA-082294-A-157, NARA-082294-A-16, NARA-082294-A-17, NARA-082294-A-24, NARA-102594-A-1, NARA-032495-A-0, TEX-101294-A-4, MIC-010495-A-2

**Ethical Standards**

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**Ethics**

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**Evans, Robley**

DOE-051094-A-606, DOE-070194-A-42, DOE-072694-A-3, DOE-120994-B-1, DOE-121294-D-16, DOE-020795-D-6, DOE-060295-C-1

**Experimental Equipment**

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## *Appendix E*

**Experimental Methods**

DOE-050195-B-1, DOD-042994-A-18, DOD-062194-B-7, DOD-080594-A-2, DOD-080694-A-2, DOD-090994-B-1, DOD-120694-A-25, DOD-120694-A-50, DOE-051094-A-103, DOE-051094-A-117, DOE-051094-A-123, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-130, DOE-051094-A-135, DOE-051094-A-155, DOE-051094-A-187, DOE-051094-A-188, DOE-051094-A-196, DOE-051094-A-221, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-264, DOE-051094-A-274, DOE-051094-A-340, DOE-051094-A-359, DOE-051094-A-361, DOE-051094-A-373, DOE-051094-A-379, DOE-051094-A-380, DOE-051094-A-427, DOE-051094-A-432, DOE-051094-A-441, DOE-051094-A-95, DOE-060794-B-1, DOE-060794-B-11, DOE-060794-B-14, DOE-060794-B-15, DOE-060794-B-16, DOE-060794-B-17, DOE-060794-B-18, DOE-060794-B-19, DOE-060794-B-2, DOE-060794-B-23, DOE-060794-B-24, DOE-060794-B-25, DOE-060794-B-26, DOE-060794-B-27, DOE-060794-B-28, DOE-060794-B-3, DOE-060794-B-30, DOE-060794-B-32, DOE-060794-B-33, DOE-060794-B-34, DOE-060794-B-4, DOE-060794-B-42, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-8, DOE-061794-B-10, DOE-061794-B-11, DOE-061794-B-12, DOE-061794-B-13, DOE-061794-B-5, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, DOE-101194-B-1, DOE-120994-A-13, DOE-120994-A-15, DOE-020795-D-1, DOE-021095-B-5, DOE-033095-A-1, HHS-090794-A-3, DOE-101194-B-2, DOE-101194-B-2, DOD-040895-A-1, DOD-012295-A-1, NARA-082294-A-107, NARA-082294-A-119, NARA-082294-A-120, NARA-082294-A-134, NARA-082294-A-143, NARA-082294-A-171, NARA-082294-A-44, NARA-082294-A-46, NARA-082294-A-52, NARA-082294-A-61, NARA-122294-B-1, UCLA-090194-A-4, UCLA-090194-A-7, MIC-010495-A-1

**Experiments**

DOE-050195-B-1, BAY-101794-A-1, BAY-101794-A-2, BAY-101794-A-3, CIA-020795-A-1, DOD-042994-A-1, DOD-042994-A-15, DOD-060794-A-1, DOD-062194-A-2, DOD-062194-B-1, DOD-062194-B-10, DOD-062194-B-11, DOD-062194-B-12, DOD-062194-B-13, DOD-062194-B-2, DOD-062194-B-3, DOD-062194-B-4, DOD-062194-B-5, DOD-062194-B-6, DOD-062194-B-7, DOD-062194-B-8, DOD-062194-B-9, DOD-062494-A-2, DOD-062494-A-20, DOD-072294-C-2, DOD-072294-C-3, DOD-072294-C-4, DOD-072294-C-5, DOD-072794-B-1, DOD-072794-B-11, DOD-072794-B-12, DOD-072794-B-13, DOD-072794-B-14, DOD-072794-B-15, DOD-072794-B-16, DOD-072794-B-17, DOD-072794-B-18, DOD-072794-B-19, DOD-072794-B-2, DOD-072794-B-20, DOD-072794-B-21, DOD-072794-B-3, DOD-072794-B-4, DOD-072794-B-5, DOD-072794-B-6, DOD-072794-B-7, DOD-072794-B-9, DOD-080594-A-1, DOD-080594-A-2, DOD-080694-A-1, DOD-080694-A-2, DOD-080694-A-3, DOD-080694-A-4, DOD-080694-A-5, DOD-080694-A-6, DOD-082294-B-3, DOD-082694-A-1, DOD-090994-B-1, DOD-091494-A-2, DOD-091494-A-3, DOD-091494-A-4, DOD-091494-A-5, DOD-091494-A-6, DOD-091494-A-7, DOD-091694-A-1, DOD-102894-A-1, DOD-102894-A-2, DOD-102894-A-3, DOD-102894-A-4, DOD-102894-A-5, DOD-120694-A-10, DOD-120694-A-15, DOD-120694-A-16, DOD-120694-A-17, DOD-120694-A-18, DOD-120694-A-19, DOD-120694-A-21, DOD-120694-A-23, DOD-120694-A-24, DOD-120694-A-25, DOD-120694-A-26, DOD-120694-A-27, DOD-120694-A-30, DOD-120694-A-31, DOD-120694-A-33, DOD-120694-A-34, DOD-120694-A-35, DOD-120694-A-36, DOD-120694-A-37, DOD-120694-A-38, DOD-120694-A-39, DOD-120694-A-40, DOD-120694-A-41, DOD-120694-A-42, DOD-120694-A-43, DOD-120694-A-45, DOD-120694-A-46, DOD-120694-A-47, DOD-120694-A-48, DOD-120694-A-5, DOD-120694-A-50, DOD-120694-A-6, DOD-120694-A-7, DOD-120694-A-9, DOD-121294-C-1, DOD-121294-C-2, DOD-122294-D-2, DOE-051094-A-100, DOE-051094-A-102, DOE-051094-A-103, DOE-051094-A-104, DOE-051094-A-106, DOE-051094-A-108, DOE-051094-A-109, DOE-051094-A-110, DOE-051094-A-115, DOE-051094-A-121, DOE-051094-A-125, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-132, DOE-051094-A-141, DOE-051094-A-150, DOE-051094-A-151, DOE-051094-A-152, DOE-051094-A-153, DOE-051094-A-154, DOE-051094-A-155, DOE-051094-A-156, DOE-051094-A-16, DOE-051094-A-161, DOE-051094-A-162, DOE-051094-A-167, DOE-051094-A-171, DOE-051094-A-172, DOE-051094-A-173, DOE-051094-A-174, DOE-051094-A-175, DOE-051094-A-176, DOE-051094-A-177, DOE-051094-A-178, DOE-051094-A-183, DOE-051094-A-184, DOE-051094-A-185, DOE-051094-A-187, DOE-051094-A-19, DOE-051094-A-193, DOE-051094-A-194, DOE-051094-A-195, DOE-051094-A-196, DOE-051094-A-20, DOE-051094-A-206, DOE-051094-A-208, DOE-051094-A-211, DOE-051094-A-214, DOE-051094-A-215, DOE-051094-A-218, DOE-051094-A-219, DOE-051094-A-221, DOE-051094-A-225, DOE-051094-A-231, DOE-051094-A-233, DOE-051094-A-256, DOE-051094-A-257, DOE-051094-A-258, DOE-051094-A-261, DOE-051094-A-263, DOE-051094-A-264, DOE-051094-A-265, DOE-051094-A-267, DOE-051094-A-269, DOE-051094-A-27, DOE-051094-A-273, DOE-051094-A-274, DOE-051094-A-285, DOE-051094-A-286, DOE-051094-A-295, DOE-051094-A-297, DOE-051094-A-298, DOE-051094-A-302, DOE-051094-A-313, DOE-051094-A-316, DOE-051094-A-317, DOE-051094-A-321, DOE-051094-A-323, DOE-051094-A-330, DOE-051094-A-334, DOE-051094-A-336,

*Sources and Documentation*

DOE-051094-A-339, DOE-051094-A-340, DOE-051094-A-342, DOE-051094-A-343, DOE-051094-A-344, DOE-051094-A-346, DOE-051094-A-347, DOE-051094-A-348, DOE-051094-A-349, DOE-051094-A-350, DOE-051094-A-356, DOE-051094-A-359, DOE-051094-A-360, DOE-051094-A-362, DOE-051094-A-364, DOE-051094-A-365, DOE-051094-A-366, DOE-051094-A-367, DOE-051094-A-368, DOE-051094-A-369, DOE-051094-A-37, DOE-051094-A-370, DOE-051094-A-371, DOE-051094-A-373, DOE-051094-A-374, DOE-051094-A-378, DOE-051094-A-379, DOE-051094-A-380, DOE-051094-A-381, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-386, DOE-051094-A-390, DOE-051094-A-391, DOE-051094-A-393, DOE-051094-A-402, DOE-051094-A-403, DOE-051094-A-404, DOE-051094-A-405, DOE-051094-A-411, DOE-051094-A-416, DOE-051094-A-417, DOE-051094-A-419, DOE-051094-A-421, DOE-051094-A-422, DOE-051094-A-423, DOE-051094-A-425, DOE-051094-A-426, DOE-051094-A-427, DOE-051094-A-433, DOE-051094-A-437, DOE-051094-A-440, DOE-051094-A-443, 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DOE-082294-B-66, DOE-082294-B-67, DOE-082294-B-68, DOE-093094-A-28, DOE-093094-A-31, DOE-101194-A-13, DOE-101194-A-3, DOE-101194-A-6, DOE-101194-B-1, DOE-101194-B-3, DOE-110894-A-3, DOE-113094-C-3, DOE-120294-B-1, DOE-120294-B-11, DOE-120294-B-12, DOE-120294-B-15, DOE-120294-B-16, DOE-120294-B-2, DOE-120294-B-5, DOE-120294-B-6, DOE-120294-B-7, DOE-120294-B-8, DOE-120294-B-9, DOE-120894-E-1, DOE-120894-E-13, DOE-120894-E-17, DOE-120894-E-19, DOE-120894-E-2, DOE-120894-E-22, DOE-120894-E-26, DOE-120894-E-3, DOE-120894-E-31, DOE-120894-E-37, DOE-120894-E-39, DOE-120894-E-40, DOE-120894-E-42, DOE-120894-E-43, DOE-120894-E-45, DOE-120894-E-46, DOE-120894-E-48, DOE-120894-E-49, DOE-120894-E-51, DOE-120894-E-52, DOE-120894-E-54, DOE-120894-E-58, DOE-120894-E-63, DOE-120894-E-67, DOE-120894-E-79, DOE-120894-E-8, DOE-120894-E-84, DOE-120894-E-85, DOE-120894-E-88, DOE-120894-E-90, DOE-120894-E-92, DOE-120894-E-93, DOE-120994-A-10, DOE-120994-A-11, DOE-120994-A-15, DOE-120994-A-18, DOE-120994-A-21, DOE-120994-A-27, DOE-120994-A-3, DOE-120994-A-4, DOE-120994-A-5,

DOE-120994-A-6, DOE-120994-A-7, DOE-120994-A-8, DOE-120994-A-9, DOE-120994-B-2, DOE-120994-B-3, DOE-121294-B-1, DOE-121294-B-9, DOE-122194-A-1, DOE-122794-B-1, DOE-122994-A-1, DOE-012595-B-5, DOE-012795-C-1, DOE-020795-D-1, DOE-021095-B-10, DOE-021095-B-11, DOE-021095-B-12, DOE-021095-B-13, DOE-021095-B-14, DOE-021095-B-4, DOE-021095-B-5, DOE-021095-B-6, DOE-021095-B-7, DOE-021095-B-9, DOE-021695-A-1, DOE-022195-A-1, DOE-022195-A-2, DOE-022195-A-3, DOE-022195-A-4, DOE-022195-A-5, DOE-022195-A-7, DOE-033195-A-1, DOE-040395-B-1, DOE-050495-B-1, DOE-052395-A-1, HHS-071394-A-1, HHS-090794-A-2, HHS-090794-A-3, DOE-101194-B-2, DOE-101194-B-2, HAR-100394-A-1, HAR-100394-A-2, HAR-100394-A-3, HAR-100394-A-4, HAR-100394-A-5, IND-101294-D-2, IND-071395-A-14, IND-071395-A-7, IND-071395-A-9, MGH-030395-A-1, NARA-070794-A-1, NARA-070794-A-2, NARA-070794-A-9, NARA-082294-A-10, NARA-082294-A-100, NARA-082294-A-101, NARA-082294-A-102, NARA-082294-A-103, NARA-082294-A-105, NARA-082294-A-106, NARA-082294-A-107, NARA-082294-A-11, NARA-082294-A-110, NARA-082294-A-111, NARA-082294-A-119, NARA-082294-A-123, NARA-082294-A-125, NARA-082294-A-133, NARA-082294-A-134, NARA-082294-A-135, NARA-082294-A-136, NARA-082294-A-138, NARA-082294-A-139, NARA-082294-A-140, NARA-082294-A-143, NARA-082294-A-144, NARA-082294-A-145, NARA-082294-A-147, NARA-082294-A-148, NARA-082294-A-149, NARA-082294-A-150, NARA-082294-A-151, NARA-082294-A-152, NARA-082294-A-153, NARA-082294-A-154, NARA-082294-A-16, NARA-082294-A-161, NARA-082294-A-162, NARA-082294-A-163, NARA-082294-A-166, NARA-082294-A-168, NARA-082294-A-169, NARA-082294-A-17, NARA-082294-A-171, NARA-082294-A-2, NARA-082294-A-24, NARA-082294-A-25, NARA-082294-A-28, NARA-082294-A-30, NARA-082294-A-31, NARA-082294-A-33, NARA-082294-A-35, NARA-082294-A-39, NARA-082294-A-43, NARA-082294-A-44, NARA-082294-A-45, NARA-082294-A-46, NARA-082294-A-47, NARA-082294-A-48, NARA-082294-A-50, NARA-082294-A-51, NARA-082294-A-53, NARA-082294-A-54, NARA-082294-A-57, NARA-082294-A-58, NARA-082294-A-61, NARA-082294-A-62, NARA-082294-A-67, NARA-082294-A-69, NARA-082294-A-71, NARA-082294-A-73, NARA-082294-A-77, NARA-082294-A-80, NARA-082294-A-81, NARA-082294-A-82, NARA-082294-A-83, NARA-082294-A-84, NARA-082294-A-86, NARA-082294-A-87, NARA-082294-A-88, NARA-082294-A-90, NARA-082294-A-91, NARA-082294-A-92, NARA-082294-A-93, NARA-082294-A-94, NARA-082294-A-95, NARA-082294-A-96, NARA-082294-A-97, NARA-082294-A-99, NARA-122294-B-1, NARA-032495-A-0, TEX-101294-A-1, TEX-101294-A-3, UCLA-111094-A-14, UCLA-111094-A-22, UCLA-111094-A-27, UCLA-111094-A-33, UCLA-111094-A-34, UCLA-111094-A-24, UCLA-111094-A-25, UCLA-111094-A-3, UCLA-111094-A-4, UCLA-111094-A-5, UCLA-111094-A-28, UCLA-090194-A-4, UCLA-090194-A-7, MIC-010495-A-1, MIC-010495-A-2, MIC-010495-A-3, MIC-010495-A-4, MIC-010495-A-5, MIC-010495-A-6, MIC-010495-A-8, VCU-012595-A-3

**Experiments of Opportunity**

ACHRE-041495-B-1, DOE-060794-B-42

**Failla, G.**

DOD-042994-A-17, DOD-071194-A-4, DOD-071194-A-5, DOD-021095-A-12, DOE-072694-A-3, DOE-072694-B-29, DOE-072694-B-4, DOE-072694-B-61, DOE-072694-B-62, DOE-101194-A-11, DOE-101194-A-13, DOE-120994-A-11, DOE-120994-A-13, DOE-120994-A-14, DOE-120994-B-1, DOE-011195-B-1, DOE-022195-A-2, DOE-030195-A-1, DOE-060295-C-1, NARA-082294-A-136, NARA-082294-A-54, UCLA-111094-A-26

**Fallout**

ACHRE-041495-B-1, DOD-080694-A-7, DOD-091494-A-4, DOD-120694-A-5, DOD-121294-C-1, DOD-121294-C-2, DOE-051094-A-248, DOE-051094-A-392, DOE-051094-A-459, DOE-051094-A-78, DOE-060794-B-37, DOE-060794-B-38, DOE-060794-B-39, DOE-060794-B-41, DOE-060794-B-42, DOE-061794-A-1, DOE-061794-A-3, DOE-070794-A-1, DOE-072294-A-1, DOE-072694-B-24, DOE-072694-B-54, DOE-072694-B-70, DOE-082294-B-11, DOE-082294-B-14, DOE-082294-B-26, DOE-082294-B-27, DOE-082294-B-28, DOE-082294-B-30, DOE-082294-B-32, DOE-082294-B-33, DOE-082294-B-35, DOE-082294-B-36, DOE-082294-B-38, DOE-082294-B-44, DOE-082294-B-45, DOE-090694-A-7, DOE-090694-A-8, DOE-092694-A-3, DOE-093094-A-15, DOE-093094-A-16, DOE-093094-A-17, DOE-093094-A-18, DOE-093094-A-19, DOE-093094-A-23, DOE-093094-A-24, DOE-093094-A-27, DOE-093094-A-28, DOE-093094-A-29, DOE-093094-A-31, DOE-093094-A-32, DOE-093094-A-33, DOE-093094-A-34, DOE-093094-A-4, DOE-101194-B-1, DOE-101194-B-3, DOE-120294-B-8, DOE-120894-E-92, DOE-122294-A-2, DOE-030195-A-1, DOE-030395-A-1, DOE-031095-B-1, DOE-032195-B-1, DOE-033195-B-1, DOE-101194-B-2, DOE-101194-B-2, IND-071395-A-10, IND-071395-A-2, NARA-082294-A-140, NARA-082294-A-141, NARA-082294-A-154, NARA-112294-A-2, SMITH-120994-A-1, UCLA-090194-A-1, UCLA-090194-A-2, UCLA-090194-A-4, UCLA-090194-A-5

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DOD-091494-A-4, DOD-121294-C-1, DOE-051094-A-376, DOE-051094-A-39, DOE-051094-A-474, DOE-070194-A-32, DOE-072294-A-1, DOE-072694-B-19, DOE-072694-B-20, DOE-072694-B-31, DOE-082294-B-27, DOE-082294-B-28, DOE-082294-B-38, DOE-093094-A-19, DOE-120294-B-7, DOE-120294-B-8, DOE-120894-E-87, NARA-112294-A-2, NARA-112294-A-5

**Federal Advisory Committee Act (FACA)**
DOE-082294-B-7, DOE-082294-B-8

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DOD-062194-B-3, DOD-062194-B-4, DOD-062194-B-8, DOD-072294-C-3, DOD-072294-C-4, DOD-072794-B-2, DOD-080694-A-1, DOD-080694-A-3, DOD-090994-B-1, DOD-102894-A-4, DOD-102894-A-5, DOD-120694-A-21, DOD-120694-A-8, DOE-051094-A-124, DOE-051094-A-125, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-128, DOE-051094-A-130, DOE-051094-A-132, DOE-051094-A-133, DOE-051094-A-135, DOE-051094-A-154, DOE-051094-A-156, DOE-051094-A-208, DOE-051094-A-233, DOE-051094-A-234, DOE-051094-A-235, DOE-051094-A-238, DOE-051094-A-239, DOE-051094-A-240, DOE-051094-A-241, DOE-051094-A-243, DOE-051094-A-244, DOE-051094-A-245, DOE-051094-A-246, DOE-051094-A-298, DOE-051094-A-344, DOE-051094-A-375, DOE-051094-A-390, DOE-051094-A-448, DOE-051094-A-470, DOE-051094-A-536, DOE-051094-A-569, DOE-051094-A-570, DOE-051094-A-578, DOE-051094-A-579, DOE-051094-A-580, DOE-051094-A-582, DOE-051094-A-584, DOE-051094-A-586, DOE-051094-A-588, DOE-051094-A-590, DOE-051094-A-89, DOE-051094-A-93, DOE-051094-A-96, DOE-051094-A-99, DOE-061794-A-1, DOE-071494-A-2, DOE-082294-B-1, DOE-082294-B-14, DOE-082294-B-15, DOE-082294-B-16, DOE-082294-B-20, DOE-082294-B-21, DOE-082294-B-23, DOE-082294-B-24, DOE-082294-B-28, DOE-082294-B-43, DOE-082294-B-56, DOE-090694-A-5, DOE-101194-A-3, DOE-101194-B-1, DOE-120294-B-10, DOE-120294-B-11, DOE-120294-B-15, DOE-120294-B-6, DOE-120294-B-7, DOE-120294-B-8, DOE-120294-B-9, DOE-120894-E-10, DOE-120894-E-22, DOE-120894-E-24, DOE-120894-E-25, DOE-120894-E-51, DOE-120894-E-53, DOE-120894-E-62, DOE-120894-E-66, DOE-120894-E-67, DOE-120894-E-75, DOE-120894-E-78, DOE-120894-E-87, DOE-120994-A-5, DOE-021095-B-4, DOE-101194-B-2, DOE-101194-B-2, DOE-120594-C-1, DOE-120594-C-1, NARA-082294-A-106, NARA-082294-A-132, NARA-082294-A-133, NARA-082294-A-134, NARA-082294-A-135, NARA-082294-A-139, NARA-082294-A-149, NARA-082294-A-153, NARA-082294-A-154, NARA-082294-A-155, NARA-082294-A-161, NARA-082294-A-162, NARA-082294-A-166, NARA-082294-A-167, NARA-082294-A-168, NARA-082294-A-169, NARA-082294-A-40, NARA-082294-A-44, NARA-082294-A-46, NARA-082294-A-50, NARA-082294-A-51, NARA-082294-A-69, NARA-082294-A-70, NARA-082294-A-82, NARA-082294-A-86, NARA-082294-A-87, NARA-082294-A-88, NARA-082294-A-91, NARA-082294-A-92, NARA-082294-A-93, NARA-082294-A-96, TEX-101294-A-2

**Fermi Laboratory**
DOE-060794-B-12, DOE-060794-B-13, DOE-060794-B-14, DOE-060794-B-15, DOE-060794-B-16, DOE-060794-B-17, DOE-060794-B-18, DOE-060794-B-19, DOE-060794-B-2, DOE-060794-B-22, DOE-060794-B-23, DOE-060794-B-24, DOE-060794-B-25, DOE-060794-B-26, DOE-060794-B-27, DOE-060794-B-28, DOE-060794-B-3, DOE-060794-B-30, DOE-060794-B-31, DOE-060794-B-4, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-7, DOE-060794-B-9

**Fidler, Harold**
DOE-051094-A-62

**Flash Blindness**
DOD-090994-C-4, DOE-033195-A-1

**Food and Drug Administration (PHS/FDA)**
DOE-070794-C-25, DOE-110894-A-3

***Foundations***
DOE-051094-A-330, DOE-051094-A-90, NARA-082294-A-69

**Friedell, Hymer**
DOD-042994-A-17, DOE-051094-A-11, DOE-051094-A-17, DOE-051094-A-193, DOE-051094-A-194, DOE-051094-A-256, DOE-051094-A-302, DOE-051094-A-303, DOE-051094-A-453, DOE-051094-A-474, DOE-051094-A-506, DOE-051094-A-560, DOE-051094-A-59, DOE-051094-A-8, DOE-070194-A-10, DOE-070194-A-42, DOE-071494-A-3, DOE-072694-A-3, DOE-101194-A-13, DOE-113094-B-6, DOE-113094-B-7, DOE-113094-B-9, DOE-120894-E-1, DOE-120894-E-18, DOE-120894-E-26, DOE-120894-E-27, DOE-120894-E-3, DOE-120894-E-34, DOE-120894-E-5, DOE-120894-E-63, DOE-120894-E-93, DOE-120994-A-1, DOE-120994-A-19, DOE-120994-A-23, DOE-120994-B-1, DOE-121294-D-1, DOE-121294-D-14, DOE-121294-D-16,

DOE-121294-D-18, DOE-121494-D-1, DOE-121494-D-2, DOE-021095-B-11, DOE-021095-B-12, DOE-060295-C-1, NARA-082294-A-101, NARA-082294-A-105, NARA-082294-A-112, NARA-082294-A-119, NARA-082294-A-122, NARA-082294-A-136, NARA-082294-A-147, NARA-082294-A-153, NARA-082294-A-16, NARA-082294-A-17, NARA-082294-A-172, NARA-082294-A-49, NARA-082294-A-51, NARA-082294-A-53, NARA-082294-A-55, NARA-082294-A-73, NARA-082294-A-84, UCLA-090194-A-8

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CON-042894-A-1, DOD-042994-A-5, DOE-042894-C-1, CON-042894-A-4

**General Electric Co.: Biology Laboratory**
DOE-051094-A-441

**Genetic Effects**
DOD-121494-A-1

**Gould, Andrews**
DOE-051094-A-125, DOE-051094-A-130, DOE-051094-A-132, DOE-051094-A-133, DOE-051094-A-134, DOE-051094-A-135, DOE-051094-A-136, DOE-051094-A-2, DOE-051094-A-234, DOE-051094-A-241, DOE-051094-A-378, DOE-051094-A-96, DOE-051094-A-97, DOE-051094-A-99, DOE-061794-B-22, DOE-070794-C-1, DOE-070794-C-11, DOE-070794-C-12, DOE-070794-C-16, DOE-070794-C-17, DOE-070794-C-4, DOE-070794-C-5, DOE-070794-C-7, DOE-070794-C-8, DOE-070794-C-9

**Grants/Grantees**
BAY-101794-A-3, DOD-062194-B-4, DOD-072294-C-2, DOD-072294-C-5, DOD-072794-B-16, DOD-072794-B-22, DOD-072794-B-3, DOD-072794-B-5, DOD-080694-A-6, DOD-102894-A-4, DOD-120694-A-8, DOE-051094-A-150, DOE-051094-A-151, DOE-051094-A-152, DOE-051094-A-153, DOE-051094-A-154, DOE-051094-A-156, DOE-051094-A-242, DOE-051094-A-245, DOE-051094-A-330, DOE-051094-A-336, DOE-051094-A-390, DOE-051094-A-547, DOE-051094-A-548, DOE-051094-A-591, DOE-051094-A-99, DOE-060794-B-12, DOE-061794-B-10, DOE-061794-B-14, DOE-061794-B-19, DOE-061794-B-20, DOE-061794-B-23, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, DOE-082294-B-15, DOE-082294-B-47, DOE-082294-B-50, DOE-082294-B-53, DOE-120294-B-16, DOE-120894-E-38, DOE-120894-E-40, DOE-120894-E-49, DOE-120894-E-52, DOE-120894-E-71, DOE-120894-E-75, DOE-120894-E-77, DOE-120894-E-82, DOE-120894-E-90, DOE-120894-E-92, DOE-120994-A-6, DOE-021095-B-13, DOE-021095-B-5, DOE-022195-A-2, HHS-071394-A-1, NARA-082294-A-134, NARA-082294-A-143, NARA-082294-A-145, NARA-082294-A-149, NARA-082294-A-151, NARA-082294-A-152, NARA-082294-A-44, NARA-082294-A-54, NARA-082294-A-58, NARA-082294-A-59, NARA-082294-A-69, NARA-082294-A-70, NARA-082294-A-71, NARA-082294-A-86, NARA-082294-A-89, NARA-082294-A-95, TEX-101294-A-1, UCLA-111094-A-34, UCLA-111094-A-35, UCLA-111094-A-32

**Green Run**
DOD-042994-A-3, DOD-042994-A-4, DOE-050394-A-10, DOE-050394-A-11, DOE-050394-A-4, DOE-050394-A-5, DOE-050394-A-6, DOE-050394-A-7, DOE-050394-A-8, DOE-050394-A-9, DOE-050694-B-1, DOE-050694-B-2, DOE-050694-B-3, DOE-051094-A-167, DOE-121594-A-1, CON-042894-A-2, CON-042894-A-4

**Gregg, Alan**
DOE-050195-B-1, DOE-051094-A-3, DOE-071494-A-4, DOE-072694-A-1, DOE-072694-A-2, DOE-082294-B-11, DOE-082294-B-15, DOE-082294-B-20, DOE-082294-B-25, DOE-121294-D-14, DOE-052295-A-1, NARA-070794-A-2, NARA-082294-A-115, UCLA-111094-A-24, UCLA-111094-A-25

**Groves, Leslie**
CORP-051894-A-3, DOE-051094-A-299, DOE-092694-B-1, DOE-120894-E-29, DOE-120894-E-45, DOE-120994-A-12, NARA-082294-A-160, NARA-082294-A-164, NARA-082294-A-49, NARA-082294-A-98

**Guidelines/Regulations**
DOE-050195-B-1, DOD-062194-B-12, DOD-072294-C-2, DOD-072794-B-19, DOD-072794-B-20, DOD-072794-B-21, DOD-072794-B-4, DOD-072794-B-6, DOD-072794-B-8, DOD-080694-A-1, DOD-082294-B-3, DOD-090994-C-4, DOD-091494-A-2, DOD-091494-A-7, DOD-120694-A-1, DOD-120694-A-3, DOD-120694-A-33, DOD-120694-A-4, DOD-030195-B-1, DOD-030195-B-2, DOD-030195-B-3, DOE-051094-A-100, DOE-051094-A-136, DOE-051094-A-154, DOE-051094-A-156, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-20, DOE-051094-A-207, DOE-051094-A-222, DOE-051094-A-235, DOE-051094-A-236, DOE-051094-A-237, DOE-051094-A-238, DOE-051094-A-239, DOE-051094-A-240, DOE-051094-A-241, DOE-051094-A-242, DOE-051094-A-243, DOE-051094-A-244, DOE-051094-A-245, DOE-051094-A-246, DOE-051094-A-250, DOE-051094-A-253, DOE-051094-A-270, DOE-051094-A-300, DOE-051094-A-314, DOE-051094-A-328, DOE-051094-A-332, DOE-051094-A-36, DOE-051094-A-398, DOE-051094-A-401, DOE-051094-A-415, DOE-051094-A-424, DOE-051094-A-439, DOE-051094-A-45, DOE-051094-A-456,

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**Hahn, Paul F.**

DOE-072694-A-3

**Hamilton, Joseph**

CORP-010395-A-1, DOD-071194-A-1, DOD-071194-A-4, DOD-071194-A-5, DOD-100694-A-2, DOD-010395-C-1, DOD-021095-A-12, DOD-032895-A-2, DOE-051094-A-309, DOE-051094-A-318, DOE-051094-A-368, DOE-051094-A-371, DOE-051094-A-474, DOE-051094-A-481, DOE-051094-A-486, DOE-051094-A-59, DOE-051094-A-604, DOE-051094-A-605, DOE-060794-B-1, DOE-061794-A-1, DOE-070194-A-17, DOE-070194-A-2, DOE-070194-A-25, DOE-070194-A-27, DOE-070194-A-8, DOE-070194-A-9, DOE-072294-A-2, DOE-072694-A-3, DOE-072694-B-1, DOE-072694-B-2, DOE-072694-B-20, DOE-072694-B-21, DOE-072694-B-22, DOE-072694-B-23, DOE-072694-B-24, DOE-072694-B-25, DOE-072694-B-26, DOE-072694-B-28, DOE-072694-B-29, DOE-072694-B-3, DOE-072694-B-30, DOE-072694-B-33, DOE-072694-B-34, DOE-072694-B-35, DOE-072694-B-36, DOE-072694-B-37, DOE-072694-B-39, DOE-072694-B-4, DOE-072694-B-40, DOE-072694-B-41, DOE-072694-B-43, DOE-072694-B-44, DOE-072694-B-45, DOE-072694-B-46, DOE-072694-B-47, DOE-072694-B-49, DOE-072694-B-5, DOE-072694-B-54, DOE-072694-B-55, DOE-072694-B-56, DOE-072694-B-57, DOE-072694-B-58, DOE-072694-B-59, DOE-072694-B-60, DOE-072694-B-61, DOE-072694-B-62, DOE-072694-B-63, DOE-072694-B-64, DOE-072694-B-65, DOE-072694-B-66, DOE-072694-B-67, DOE-072694-B-68, DOE-072694-B-69, DOE-072694-B-7, DOE-072694-B-71, DOE-072694-B-8, DOE-072694-B-9, DOE-101194-A-13, DOE-101194-B-4, DOE-113094-B-8, DOE-120894-E-29, DOE-120894-E-39, DOE-120894-E-40, DOE-120894-E-45, DOE-120894-E-49, DOE-120994-A-21, DOE-120994-A-23, DOE-120994-B-2, DOE-121294-B-1, DOE-121294-D-14, DOE-122294-A-1, DOE-122294-A-3, DOE-122994-A-1, DOE-011195-B-1, DOE-032195-B-1, IND-071395-A-1, IND-071395-A-10, IND-071395-A-12, IND-071395-A-14, IND-071395-A-2, IND-071395-A-3, IND-071395-A-5, IND-071395-A-6, IND-071395-A-9, NARA-082294-A-105, NARA-082294-A-136, NARA-082294-A-140, NARA-082294-A-141, NARA-082294-A-16, NARA-082294-A-162, NARA-082294-A-17,

NARA-082294-A-45, NARA-082294-A-51, NARA-082294-A-84, NARA-082294-A-95, UCLA-111094-A-34, UCLA-111094-A-1, UCLA-111094-A-2, UCLA-111094-A-3, UCLA-111094-A-4, UCLA-111094-A-5, UCLA-111094-A-7, UCLA-111094-A-26

**Hanford Site (Richland Washington)**

CON-042894-A-3, DOE-050394-A-10, DOE-050394-A-11, DOE-050394-A-3, DOE-050394-A-4, DOE-050394-A-5, DOE-050394-A-6, DOE-050394-A-7, DOE-050394-A-8, DOE-050394-A-9, DOE-050694-B-1, DOE-050694-B-2, DOE-050694-B-3, DOE-050694-B-4, DOE-061794-A-2, DOE-070794-A-1, DOE-070794-A-2, DOE-071494-A-2, DOE-083094-B-1, DOE-083094-B-2, DOE-120994-A-22, DOE-121594-A-1, DOE-032995-A-2, DOE-033095-A-1, DOE-040695-A-5, IND-120294-A-1, IND-120294-A-2, IND-120294-A-3, IND-120294-A-4, NARA-082294-A-113, CON-042894-A-2, CON-042894-A-4

**Harm**

CON-030795-A-1, DOD-062194-B-14, DOD-062194-B-3, DOD-072794-B-14, DOD-072794-B-17, DOD-072794-B-2, DOD-072794-B-21, DOD-072794-B-3, DOD-080594-A-1, DOD-080694-A-1, DOD-090994-C-4, DOD-091494-A-1, DOD-120694-A-10, DOD-120694-A-11, DOD-120694-A-13, DOD-120694-A-14, DOD-120694-A-18, DOD-120694-A-22, DOD-120694-A-23, DOD-120694-A-36, DOD-120694-A-41, DOD-120694-A-45, DOD-120694-A-51, DOE-051094-A-181, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-184, DOE-051094-A-189, DOE-051094-A-190, DOE-051094-A-210, DOE-051094-A-22, DOE-051094-A-23, DOE-051094-A-230, DOE-051094-A-232, DOE-051094-A-249, DOE-051094-A-250, DOE-051094-A-252, DOE-051094-A-254, DOE-051094-A-258, DOE-051094-A-270, DOE-051094-A-289, DOE-051094-A-29, DOE-051094-A-293, DOE-051094-A-308, DOE-051094-A-31, DOE-051094-A-312, DOE-051094-A-32, DOE-051094-A-321, DOE-051094-A-327, DOE-051094-A-328, DOE-051094-A-338, DOE-051094-A-34, DOE-051094-A-345, DOE-051094-A-35, DOE-051094-A-379, DOE-051094-A-38, DOE-051094-A-387, DOE-051094-A-39, DOE-051094-A-400, DOE-051094-A-419, DOE-051094-A-455, DOE-051094-A-456, DOE-051094-A-457, DOE-051094-A-461, DOE-051094-A-466, DOE-051094-A-47, DOE-051094-A-48, DOE-051094-A-499, DOE-051094-A-500, DOE-051094-A-501, DOE-051094-A-503, DOE-051094-A-506, DOE-051094-A-507, DOE-051094-A-53, DOE-051094-A-533, DOE-051094-A-552, DOE-051094-A-553, DOE-051094-A-564, DOE-051094-A-69, DOE-051094-A-70, DOE-051094-A-71, DOE-051094-A-72, DOE-051094-A-73, DOE-051094-A-77, DOE-051094-A-79, DOE-051094-A-81, DOE-051094-A-82, DOE-051094-A-83, DOE-051094-A-84, DOE-051094-A-85, DOE-051094-A-86, DOE-051094-A-87, DOE-061794-B-3, DOE-070194-A-2, DOE-070194-A-33, DOE-070794-C-11, DOE-070794-C-13, DOE-070794-C-19, DOE-082294-B-33, DOE-082294-B-42, DOE-082294-B-45, DOE-120894-E-16, DOE-120894-E-22, DOE-120894-E-24, DOE-120894-E-25, DOE-120894-E-29, DOE-120894-E-33, DOE-120894-E-46, DOE-120894-E-5, DOE-120894-E-6, DOE-120894-E-79, DOE-120894-E-80, DOE-120894-E-86, DOE-120994-A-22, DOE-121494-D-1, DOE-021095-B-12, DOE-021095-B-6, DOE-022195-A-3, DOE-022195-A-4, DOE-022195-A-5, DOE-022195-A-7, DOE-033195-A-1, DOE-041495-A-1, HAR-062394-A-1, NARA-082294-A-101, NARA-082294-A-157, NARA-082294-A-47, NARA-082294-A-81, NARA-082294-A-84, NARA-082294-A-92, UCLA-090194-A-2, UCLA-090194-A-7

**Harvard Medical School**

DOD-120694-A-1, HAR-062394-A-3, HAR-062394-A-4, HAR-100394-A-5

**Harvard Medical School: Radioactivity Center**

HAR-100394-A-5

**Harvard University**

HAR-062394-A-3, HAR-062394-A-1, HAR-062394-A-2, HAR-100394-A-4, HAR-100394-A-5

**Health Group (DOE/LANL)**

DOE-020795-D-3

**Hempelmann, Louis H.**

DOD-021095-A-2, DOE-051094-A-13, DOE-051094-A-15, DOE-051094-A-159, DOE-051094-A-16, DOE-051094-A-17, DOE-051094-A-193, DOE-051094-A-194, DOE-051094-A-200, DOE-051094-A-222, DOE-051094-A-309, DOE-051094-A-422, DOE-051094-A-427, DOE-051094-A-59, DOE-051094-A-608, DOE-061794-A-3, DOE-061794-B-2, DOE-061794-B-4, DOE-070194-A-13, DOE-071494-A-10, DOE-082294-B-17, DOE-082294-B-20, DOE-082294-B-26, DOE-082294-B-8, DOE-120894-E-29, DOE-120894-E-3, DOE-121294-D-1, DOE-121294-D-10, DOE-121294-D-16, DOE-121294-D-2, DOE-021095-B-15, DOE-030195-A-1, DOE-041495-A-1, NARA-082294-A-37, NARA-082294-A-51, NARA-082294-A-57, UCLA-111094-A-26, UCLA-090194-A-8

**Hollaender, Alexander**

DOE-051094-A-309, DOE-051094-A-456, DOE-051094-A-498, DOE-051094-A-575, DOE-051094-A-593, DOE-070194-A-42, DOE-101194-A-6, DOE-101194-A-7, DOE-101194-A-8, DOE-120894-E-63, DOE-120894-E-8, DOE-120994-B-1, DOE-022195-A-7, DOE-060295-C-1, UCLA-111094-A-26

**Howland, Joseph**

DOE-051094-A-359, DOE-070194-A-26, DOE-070194-A-40, DOE-082294-B-73, DOE-113094-B-7, DOE-120894-E-2, DOE-120894-E-24, DOE-120894-E-37, DOE-120894-E-39, DOE-120894-E-40, DOE-120894-E-45, DOE-120894-E-49, DOE-121294-D-11, DOE-121294-D-12, DOE-121294-D-14, DOE-121294-D-18, DOE-022195-A-3, NARA-082294-A-111, NARA-082294-A-122, NARA-082294-A-125, NARA-082294-A-150

**HP 1 2 or 3**

DOE-121294-D-19

**Huddleson, Edward**

DOE-051094-A-468

**Human Samples**

NARA-082294-A-53

**Human Subjects**

ACHRE-041495-B-1, BAY-101794-A-1, BAY-101794-A-2, BAY-101794-A-3, CIA-020795-A-1, CON-050594-A-1, DOD-042994-A-1, DOD-042994-A-11, DOD-042994-A-13, DOD-042994-A-14, DOD-042994-A-15, DOD-042994-A-16, DOD-042994-A-17, DOD-042994-A-18, DOD-042994-A-19, DOD-060794-A-1, DOD-062194-A-3, DOD-062194-A-4, DOD-062194-B-1, DOD-062194-B-13, DOD-062194-B-2, DOD-062194-B-3, DOD-062194-B-6, DOD-072294-B-3, DOD-072794-B-18, DOD-072794-B-6, DOD-080594-A-1, DOD-080694-A-1, DOD-080694-A-3, DOD-080694-A-4, DOD-081994-A-1, DOD-082294-B-1, DOD-082294-B-2, DOD-090994-C-4, DOD-091494-A-1, DOD-091494-A-2, DOD-091494-A-3, DOD-091494-A-4, DOD-091494-A-5, DOD-091494-A-7, DOD-091694-A-1, DOD-092894-A-1, DOD-092894-A-2, DOD-111594-A-1, DOD-120694-A-1, DOD-120694-A-12, DOD-120694-A-2, DOD-120694-A-39, DOD-120694-A-4, DOD-120694-A-48, DOD-120694-A-7, DOD-121294-C-1, DOD-121494-A-2, DOD-121994-C-1, DOD-012295-A-2, DOD-012295-A-3, DOD-012295-A-4, DOD-030195-B-2, DOD-030195-B-3, DOD-042595-A-1, DOE-051094-A-100, DOE-051094-A-102, DOE-051094-A-106, DOE-051094-A-107, DOE-051094-A-108, DOE-051094-A-109, DOE-051094-A-115, DOE-051094-A-123, DOE-051094-A-124, DOE-051094-A-125, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-128, DOE-051094-A-130, DOE-051094-A-132, DOE-051094-A-133, DOE-051094-A-134, DOE-051094-A-135, DOE-051094-A-136, DOE-051094-A-137, DOE-051094-A-138, DOE-051094-A-145, DOE-051094-A-149, DOE-051094-A-159, DOE-051094-A-16, DOE-051094-A-160, DOE-051094-A-161, DOE-051094-A-164, DOE-051094-A-175, DOE-051094-A-176, DOE-051094-A-177, DOE-051094-A-178, DOE-051094-A-18, DOE-051094-A-180, DOE-051094-A-181, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-184, DOE-051094-A-185, DOE-051094-A-187, DOE-051094-A-188, DOE-051094-A-19, DOE-051094-A-190, DOE-051094-A-193, DOE-051094-A-194, DOE-051094-A-195, DOE-051094-A-20, DOE-051094-A-206, DOE-051094-A-211, DOE-051094-A-215, DOE-051094-A-217, DOE-051094-A-218, DOE-051094-A-219, DOE-051094-A-220, DOE-051094-A-221, DOE-051094-A-222, DOE-051094-A-223, DOE-051094-A-224, DOE-051094-A-225, DOE-051094-A-226, DOE-051094-A-227, DOE-051094-A-228, DOE-051094-A-229, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-232, DOE-051094-A-233, DOE-051094-A-234, DOE-051094-A-235, DOE-051094-A-237, DOE-051094-A-238, DOE-051094-A-239, DOE-051094-A-240, DOE-051094-A-241, DOE-051094-A-242, DOE-051094-A-243, DOE-051094-A-244, DOE-051094-A-245, DOE-051094-A-246, DOE-051094-A-251, DOE-051094-A-260, DOE-051094-A-27, DOE-051094-A-272, DOE-051094-A-303, DOE-051094-A-305, DOE-051094-A-344, DOE-051094-A-346, DOE-051094-A-349, DOE-051094-A-350, DOE-051094-A-353, DOE-051094-A-356, DOE-051094-A-360, DOE-051094-A-361, DOE-051094-A-362, DOE-051094-A-365, DOE-051094-A-366, DOE-051094-A-367, DOE-051094-A-368, DOE-051094-A-369, DOE-051094-A-37, DOE-051094-A-370, DOE-051094-A-371, DOE-051094-A-373, DOE-051094-A-374, DOE-051094-A-378, DOE-051094-A-379, DOE-051094-A-380, DOE-051094-A-381, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-386, DOE-051094-A-388, DOE-051094-A-389, DOE-051094-A-399, DOE-051094-A-400, DOE-051094-A-402, DOE-051094-A-403, DOE-051094-A-404, DOE-051094-A-405, DOE-051094-A-406, DOE-051094-A-407, DOE-051094-A-408, DOE-051094-A-409, DOE-051094-A-410, DOE-051094-A-411, DOE-051094-A-412, DOE-051094-A-413, DOE-051094-A-414, DOE-051094-A-415, DOE-051094-A-419, DOE-051094-A-424, DOE-051094-A-425, DOE-051094-A-426, DOE-051094-A-427, DOE-051094-A-432, DOE-051094-A-433, DOE-051094-A-434, DOE-051094-A-435, DOE-051094-A-437, DOE-051094-A-438,

DOE-051094-A-439, DOE-051094-A-441, DOE-051094-A-444, DOE-051094-A-445, DOE-051094-A-446, DOE-051094-A-447, DOE-051094-A-448, DOE-051094-A-45, DOE-051094-A-451, DOE-051094-A-452, DOE-051094-A-461, DOE-051094-A-468, DOE-051094-A-470, DOE-051094-A-471, DOE-051094-A-473, DOE-051094-A-474, DOE-051094-A-478, DOE-051094-A-480, DOE-051094-A-482, DOE-051094-A-486, DOE-051094-A-493, DOE-051094-A-496, DOE-051094-A-502, DOE-051094-A-503, DOE-051094-A-527, DOE-051094-A-535, DOE-051094-A-538, DOE-051094-A-547, DOE-051094-A-548, DOE-051094-A-55, DOE-051094-A-567, DOE-051094-A-568, DOE-051094-A-569, DOE-051094-A-570, DOE-051094-A-571, DOE-051094-A-572, DOE-051094-A-573, DOE-051094-A-58, DOE-051094-A-584, DOE-051094-A-585, DOE-051094-A-586, DOE-051094-A-587, DOE-051094-A-59, DOE-051094-A-609, DOE-051094-A-61, DOE-051094-A-611, DOE-051094-A-612, DOE-051094-A-617, DOE-051094-A-62, DOE-051094-A-620, DOE-051094-A-621, DOE-051094-A-63, DOE-051094-A-64, DOE-051094-A-65, DOE-051094-A-66, DOE-051094-A-67, DOE-051094-A-68, DOE-051094-A-76, DOE-051094-A-91, DOE-051094-A-92, DOE-051094-A-94, DOE-051094-A-96, DOE-051094-A-97, DOE-051094-A-98, DOE-051094-A-99, DOE-060794-B-11, DOE-060794-B-12, DOE-060794-B-14, DOE-060794-B-15, DOE-060794-B-16, DOE-060794-B-17, DOE-060794-B-18, DOE-060794-B-19, DOE-060794-B-2, DOE-060794-B-20, DOE-060794-B-23, DOE-060794-B-27, DOE-060794-B-28, DOE-060794-B-29, DOE-060794-B-3, DOE-060794-B-32, DOE-060794-B-33, DOE-060794-B-34, DOE-060794-B-35, DOE-060794-B-37, DOE-060794-B-38, DOE-060794-B-39, DOE-060794-B-4, DOE-060794-B-40, DOE-060794-B-42, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-7, DOE-060794-B-9, DOE-061794-B-14, DOE-061794-B-15, DOE-061794-B-16, DOE-061794-B-19, DOE-061794-B-20, DOE-061794-B-23, DOE-061794-B-9, DOE-070194-A-13, DOE-070194-A-17, DOE-070194-A-18, DOE-070194-A-19, DOE-070194-A-20, DOE-070194-A-21, DOE-070194-A-22, DOE-070194-A-23, DOE-070194-A-24, DOE-070194-A-25, DOE-070194-A-26, DOE-070194-A-27, DOE-070194-A-31, DOE-070194-A-33, DOE-070194-A-34, DOE-070194-A-35, DOE-070194-A-37, DOE-070194-A-38, DOE-070194-A-39, DOE-070194-A-40, DOE-070794-C-1, DOE-070794-C-10, DOE-070794-C-19, DOE-070794-C-2, DOE-070794-C-20, DOE-070794-C-21, DOE-070794-C-22, DOE-070794-C-23, DOE-070794-C-5, DOE-072294-A-11, DOE-072294-A-16, DOE-072694-A-1, DOE-072694-A-5, DOE-072694-B-69, DOE-072694-B-73, DOE-082294-B-28, DOE-082294-B-34, DOE-082294-B-46, DOE-082294-B-47, DOE-082294-B-48, DOE-082294-B-49, DOE-082294-B-52, DOE-082294-B-53, DOE-082294-B-54, DOE-082294-B-56, DOE-082294-B-58, DOE-082294-B-59, DOE-082294-B-60, DOE-082294-B-61, DOE-082294-B-63, DOE-082294-B-65, DOE-082294-B-66, DOE-082294-B-67, DOE-082294-B-68, DOE-082294-B-69, DOE-082294-B-73, DOE-090694-A-8, DOE-092694-A-2, DOE-101194-A-13, DOE-101194-B-1, DOE-101194-B-4, DOE-110894-A-2, DOE-110894-A-3, DOE-112194-D-3, DOE-113094-B-10, DOE-113094-B-11, DOE-113094-B-12, DOE-113094-B-2, DOE-113094-C-1, DOE-113094-C-2, DOE-120894-E-1, DOE-120894-E-19, DOE-120894-E-2, DOE-120894-E-3, DOE-120894-E-37, DOE-120894-E-39, DOE-120894-E-40, DOE-120894-E-41, DOE-120894-E-42, DOE-120894-E-43, DOE-120894-E-58, DOE-120894-E-59, DOE-120894-E-60, DOE-120894-E-61, DOE-120894-E-63, DOE-120894-E-91, DOE-120994-A-10, DOE-120994-A-15, DOE-120994-A-27, DOE-120994-A-3, DOE-120994-A-4, DOE-120994-B-2, DOE-121294-B-2, DOE-121294-B-3, DOE-121294-B-4, DOE-121294-B-5, DOE-121294-B-6, DOE-121294-B-7, DOE-121294-B-9, DOE-121294-C-1, DOE-121294-D-19, DOE-122194-A-2, DOE-122194-A-3, DOE-122294-A-1, DOE-122794-B-1, DOE-122994-A-1, DOE-122994-A-2, DOE-011895-B-3, DOE-020795-D-4, DOE-021095-B-1, DOE-021095-B-10, DOE-021095-B-13, DOE-021095-B-2, DOE-021095-B-5, DOE-021095-B-6, DOE-021095-B-8, DOE-021095-B-9, DOE-021695-A-1, DOE-032995-A-4, DOE-033195-A-1, DOE-040395-A-2, DOE-050895-A-1, DOE-050895-D-2, DOE-052295-A-1, DOE-061395-A-3, HHS-071394-A-3, HHS-072894-A-1, HHS-090794-A-2, HHS-090794-A-3, HHS-092794-A-1, DOD-040895-A-1, HAR-062394-A-3, HAR-062394-A-2, HAR-062394-A-4, HAR-100394-A-1, HAR-100394-A-2, HAR-100394-A-3, HAR-100394-A-4, HAR-100394-A-5, IND-101294-D-2, IND-110994-A-2, IND-071395-A-1, IND-071395-A-11, IND-071395-A-13, IND-071395-A-14, IND-071395-A-15, IND-071395-A-3, IND-071395-A-5, IND-071395-A-7, IND-071395-A-8, IND-071395-A-9, MGH-030395-A-1, NARA-070794-A-1, NARA-070794-A-2, NARA-070794-A-4, NARA-070794-A-9, NARA-082294-A-100, NARA-082294-A-101, NARA-082294-A-103, NARA-082294-A-105, NARA-082294-A-107, NARA-082294-A-113, NARA-082294-A-120, NARA-082294-A-121, NARA-082294-A-136, NARA-082294-A-145, NARA-082294-A-147, NARA-082294-A-150, NARA-082294-A-151, NARA-082294-A-153, NARA-082294-A-154, NARA-082294-A-155, NARA-082294-A-162, NARA-082294-A-163, NARA-082294-A-166, NARA-082294-A-167, NARA-082294-A-169, NARA-082294-A-45, NARA-082294-A-48, NARA-082294-A-62, NARA-082294-A-67, NARA-082294-A-73, NARA-082294-A-82, NARA-082294-A-83, NARA-082294-A-84, NARA-082294-A-92, NARA-082294-A-96, NARA-082294-A-99, NARA-102594-A-1, NARA-122294-B-1, NARA-012495-A-1, NARA-032495-A-0, WASH-112294-A-5, WASH-112294-A-6,

UCLA-111094-A-13, UCLA-111094-A-22, UCLA-111094-A-27, UCLA-111094-A-35, UCLA-111094-A-36, UCLA-111094-A-10, UCLA-111094-A-25, UCLA-111094-A-4, UCLA-111094-A-5, UCLA-111094-A-6, UCLA-111094-A-7, UCLA-111094-A-8, UCLA-111094-A-26, UCLA-111094-A-37, UCLA-090194-A-1, UCLA-090194-A-4, UCLA-090194-A-5, UCLA-090194-A-7, MIC-010495-A-1, MIC-010495-A-2, MIC-010495-A-3, MIC-010495-A-4, MIC-010495-A-5, MIC-010495-A-6, MIC-010495-A-7, VCU-012595-A-11, VCU-012595-A-12, VCU-012595-A-14, VCU-012595-A-16, VCU-012595-A-17, VCU-012595-A-18, VCU-012595-A-3, VCU-012595-A-4, WASH-112294-A-1, DOD-020695-B-1

**Idaho National Engineering Laboratory (DOE/INEL)**

DOD-092794-A-1, DOE-060794-B-37, DOE-060794-B-38, DOE-060794-B-39, DOE-060794-B-40, DOE-060794-B-41, DOE-060794-B-43, DOE-070794-C-27, DOE-101194-B-1, DOE-101194-B-3, DOE-022195-D-1, DOE-022195-D-2, DOE-101194-B-2, DOE-101194-B-2, DOE-120594-C-1, DOE-120594-C-1

**Informed Consent**

CORP-013095-A-2, DOD-042994-A-22, DOD-111594-A-1, DOD-120694-A-1, DOD-120694-A-2, DOD-012295-A-2, DOD-012295-A-3, DOD-012295-A-4, DOD-030195-B-2, DOE-051094-A-100, DOE-051094-A-107, DOE-051094-A-138, DOE-051094-A-139, DOE-051094-A-145, DOE-051094-A-176, DOE-051094-A-177, DOE-051094-A-180, DOE-051094-A-181, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-217, DOE-051094-A-218, DOE-051094-A-220, DOE-051094-A-222, DOE-051094-A-224, DOE-051094-A-226, DOE-051094-A-228, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-232, DOE-051094-A-233, DOE-051094-A-236, DOE-051094-A-238, DOE-051094-A-241, DOE-051094-A-243, DOE-051094-A-244, DOE-051094-A-27, DOE-051094-A-37, DOE-051094-A-412, DOE-051094-A-413, DOE-051094-A-414, DOE-051094-A-419, DOE-051094-A-433, DOE-051094-A-461, DOE-051094-A-470, DOE-051094-A-586, DOE-051094-A-587, DOE-051094-A-607, DOE-051094-A-64, DOE-051094-A-92, DOE-051094-A-94, DOE-051094-A-97, DOE-051094-A-99, DOE-060794-B-12, DOE-060794-B-15, DOE-060794-B-16, DOE-060794-B-3, DOE-060794-B-34, DOE-060794-B-4, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-9, DOE-070794-C-2, DOE-070794-C-26, DOE-070794-C-6, DOE-082294-B-68, DOE-112194-D-3, DOE-120994-B-1, DOE-021095-B-4, DOE-040695-A-12, DOE-052295-A-1, HHS-072894-A-1, HHS-090794-A-2, DOD-040895-A-1, HAR-062394-A-1, NARA-070794-A-4, NARA-082294-A-99, NARA-012495-A-1, MIC-010495-A-3

**Institutional History**

DOE-070794-C-7

**Intentional Releases**

CORP-013095-A-1, DOD-071194-A-1, DOD-071194-A-2, DOD-071194-A-4, DOD-010395-C-2, DOD-010395-C-3, DOE-042894-C-1, DOE-060794-B-37, DOE-060794-B-38, DOE-060794-B-39, DOE-060794-B-41, DOE-061794-A-2, DOE-083094-B-1, DOE-083094-B-2, DOE-101194-B-1, DOE-101194-B-3, DOE-120894-E-12, DOE-120894-E-88, DOE-121494-E-1, DOE-121494-E-2, DOE-121594-A-1, DOE-122194-B-1, DOE-022195-D-1, DOE-022195-D-2, DOE-033095-A-1, DOE-040695-A-1, DOE-040695-A-10, DOE-040695-A-11, DOE-040695-A-13, DOE-040695-A-14, DOE-040695-A-15, DOE-040695-A-2, DOE-040695-A-3, DOE-040695-A-4, DOE-040695-A-5, DOE-040695-A-6, DOE-040695-A-7, DOE-040695-A-8, DOE-040695-A-9, DOE-041295-A-2, DOE-041295-A-3, DOE-041295-A-4, DOE-041295-A-5, DOE-041295-A-6, DOE-101194-B-2, DOE-101194-B-2, DOE-120594-C-1, DOE-120594-C-1, IND-121794-A-1, CON-042894-A-4

**Interagency Bodies**

DOD-062194-A-2, DOD-072294-C-1, DOD-102894-A-4, DOD-102894-A-5, DOD-120694-A-42, DOD-120694-A-45, DOD-121294-C-1, DOD-021795-A-2, DOE-051094-A-337, DOE-051094-A-444, DOE-070194-A-32, DOE-082294-B-7, DOE-090694-A-4, DOE-120294-B-11, DOE-120894-E-10, DOE-120994-A-1, NARA-082294-A-135, NARA-082294-A-40, NARA-082294-A-58, NARA-082294-A-59

**Interest Groups**

DOE-051094-A-213

**Interstate Bodies**

DOE-051094-A-331

**Interviews**

ACHRE-021095-B-1, CORP-013095-A-2, DOD-062194-A-2, DOD-121294-C-2, DOE-061794-A-1, DOE-061794-A-4, UCLA-101794-A-1

**Investigational Drugs**

DOE-070794-C-2

**Isotope Distribution**

DOE-071494-A-9

**Isotopes Branch (AEC)**
DOD-122794-A-1, DOE-071494-A-3, DOE-072294-A-2, DOE-072694-A-3, DOE-092694-A-2, DOE-101194-A-12, DOE-101194-A-13, DOE-101194-A-5, DOE-113094-C-3, DOE-121294-B-10, DOE-011895-B-1, UCLA-111094-A-9
**Ivy, Andrew C.**
DOE-070194-A-42, HAR-062394-A-1
**Joint Committee on Atomic Energy (Congress)**
DOD-021095-A-10
**Joint Panel on Medical Aspects of Atomic Warfare (DOD)**
DOD-072294-B-1
**Laboratory for Experimental Oncology**
UCLA-111094-A-17, UCLA-111094-A-22, UCLA-111094-A-36
**Langham, Wright**
DOD-072794-B-2, DOE-051094-A-12, DOE-051094-A-159, DOE-051094-A-166, DOE-051094-A-196, DOE-051094-A-306, DOE-051094-A-341, DOE-051094-A-427, DOE-051094-A-471, DOE-051094-A-587, DOE-051094-A-59, DOE-051094-A-606, DOE-051094-A-608, DOE-061794-B-4, DOE-070194-A-13, DOE-070194-A-15, DOE-070194-A-16, DOE-070194-A-17, DOE-070194-A-18, DOE-070194-A-19, DOE-070194-A-23, DOE-070194-A-25, DOE-070194-A-26, DOE-070194-A-27, DOE-070194-A-28, DOE-070194-A-31, DOE-070194-A-33, DOE-070194-A-35, DOE-072694-B-40, DOE-072694-B-62, DOE-082294-B-21, DOE-082294-B-23, DOE-082294-B-35, DOE-082294-B-40, DOE-082294-B-72, DOE-082294-B-73, DOE-113094-B-7, DOE-120894-C-1, DOE-120894-E-1, DOE-120894-E-2, DOE-120894-E-3, DOE-120994-A-4, DOE-121294-D-1, DOE-121294-D-10, DOE-121294-D-11, DOE-121294-D-13, DOE-121294-D-16, DOE-121294-D-19, DOE-121294-D-2, DOE-121294-D-3, DOE-121294-D-4, DOE-121294-D-5, DOE-121294-D-6, DOE-020795-D-1, DOE-020795-D-6, DOE-021095-B-10, NARA-082294-A-147, NARA-082294-A-150, NARA-082294-A-155, NARA-082294-A-47, NARA-082294-A-48, NARA-082294-A-53
**Law & Legal Issues**
DOD-082294-B-1, DOD-082294-B-2, DOD-082294-B-3, DOD-012295-A-3, DOD-012295-A-4, DOD-030195-B-3, DOE-051094-A-145, DOE-070194-A-17, DOE-070794-C-6, DOE-082294-B-42, DOE-082294-B-57, DOE-082294-B-58, DOE-082294-B-62, DOE-090694-A-2, DOE-092694-A-1, DOE-093094-A-20, DOE-120894-E-25, DOE-120894-E-26, DOE-120894-E-29, DOE-120894-E-30, DOE-120894-E-32, DOE-120894-E-42, DOE-120894-E-46, DOE-120894-E-47, DOE-120894-E-50, DOE-120894-E-51, DOE-120894-E-53, DOE-120894-E-56, DOE-120894-E-73, DOE-120894-E-89, DOD-012295-A-1, HAR-062394-A-3, NARA-070794-A-4, NARA-082294-A-113, UCLA-090194-A-1
**Lawrence Berkeley Laboratory (AEC/LBL)**
DOE-072694-B-69, NARA-082294-A-109, NARA-082294-A-58
**Lawrence Livermore National Laboratory (DOE/LLNL)**
DOE-060794-B-28, DOE-060794-B-33, DOE-060794-B-43, NARA-082294-A-46, UCLA-090194-A-2
**Legislation**
DOE-092694-A-3, DOE-120894-E-89
**Liability**
DOE-051094-A-38
**Library of Congress (LC)**
DOD-091494-A-7
**Licensing**
DOE-070794-C-15, DOE-070794-C-15
**Lilienthal, David E.**
CORP-051894-A-1, DOD-021095-A-3, DOE-051094-A-191, DOE-071494-A-2, DOE-071494-A-5, DOE-071494-A-8, DOE-072694-B-1, DOE-092694-B-2, DOE-092694-B-5, DOE-061395-D-1, NARA-082294-A-115
**Long Range Detection**
DOE-050394-A-1, DOE-051094-A-53, DOE-083094-B-1, UCLA-090194-A-4
**Lorenz, Egon**
DOE-070194-A-36
**Los Alamos National Laboratory (DOE/LANL)**
DOD-062194-B-11, DOE-051094-A-13, DOE-051094-A-14, DOE-051094-A-15, DOE-051094-A-159, DOE-051094-A-16, DOE-051094-A-165, DOE-051094-A-17, DOE-051094-A-201, DOE-051094-A-224, DOE-051094-A-378, DOE-051094-A-41, DOE-051094-A-433, DOE-051094-A-601, DOE-051094-A-602, DOE-051094-A-603, DOE-051094-A-606, DOE-051094-A-608, DOE-051094-A-82, DOE-061794-B-2,

DOE-061794-B-4, DOE-070194-A-1, DOE-070194-A-13, DOE-070194-A-15, DOE-070194-A-16, DOE-070194-A-17, DOE-070194-A-18, DOE-070194-A-2, DOE-070194-A-20, DOE-070194-A-21, DOE-070194-A-22, DOE-070194-A-23, DOE-070194-A-24, DOE-070194-A-25, DOE-070194-A-26, DOE-070194-A-27, DOE-070194-A-31, DOE-070194-A-33, DOE-070194-A-34, DOE-070194-A-35, DOE-070194-A-37, DOE-071494-A-2, DOE-072294-A-10, DOE-072294-A-13, DOE-082294-B-15, DOE-082294-B-23, DOE-082294-B-24, DOE-082294-B-25, DOE-082294-B-39, DOE-082294-B-40, DOE-082294-B-72, DOE-082294-B-73, DOE-091994-B-1, DOE-091994-B-3, DOE-091994-B-4, DOE-093094-A-15, DOE-101194-A-3, DOE-113094-B-7, DOE-120894-C-1, DOE-121294-D-1, DOE-121294-D-14, DOE-121294-D-16, DOE-121294-D-19, DOE-121294-D-2, DOE-121294-D-3, DOE-121294-D-4, DOE-121294-D-5, DOE-121294-D-6, DOE-020795-D-1, DOE-020795-D-2, DOE-020795-D-3, DOE-020795-D-4, DOE-020795-D-5, DOE-020795-D-6, DOE-021095-B-1, DOE-021095-B-10, DOE-021095-B-13, DOE-021095-B-15, DOE-021095-B-2, DOE-021095-B-3, DOE-021095-B-7, DOE-021095-B-8, DOE-021095-B-9, DOE-022395-C-1, DOE-030195-A-1, DOE-031095-B-1, DOE-033195-B-1, DOE-040695-A-1, DOE-040695-A-10, DOE-040695-A-11, DOE-040695-A-12, DOE-040695-A-13, DOE-040695-A-14, DOE-040695-A-15, DOE-040695-A-2, DOE-040695-A-3, DOE-040695-A-4, DOE-040695-A-5, DOE-040695-A-6, DOE-040695-A-7, DOE-040695-A-8, DOE-040695-A-9, DOE-041495-A-1, NARA-082294-A-110, NARA-082294-A-155, NARA-082294-A-47, NARA-052495-A-1, CON-042894-A-4, UCLA-090194-A-6

**Lushbaugh, C. C.**

DOE-051094-A-190, DOE-051094-A-2, DOE-051094-A-228, DOE-051094-A-229, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-234, DOE-051094-A-378, DOE-051094-A-428, DOE-051094-A-430, DOE-051094-A-447, DOE-051094-A-544, DOE-051094-A-94, DOE-070794-C-16, DOE-070794-C-17, DOE-070794-C-19, DOE-021095-B-13, DOE-021095-B-6, DOE-021095-B-7

**Manhattan Engineer District (War/CE/MED)**

CON-030795-A-1, CON-030795-A-2, CORP-051894-A-3, DOE-051094-A-17, DOE-051094-A-324, DOE-051094-A-342, DOE-051094-A-489, DOE-051094-A-604, DOE-051094-A-605, DOE-051094-A-606, DOE-051094-A-608, DOE-051094-A-619, DOE-061794-A-4, DOE-070194-A-29, DOE-071494-A-2, DOE-071494-A-7, DOE-071494-A-8, DOE-071494-A-9, DOE-072694-B-65, DOE-072694-B-66, DOE-072694-B-67, DOE-101194-A-1, DOE-101194-A-10, DOE-101194-A-12, DOE-101194-A-2, DOE-112194-D-3, DOE-113094-B-1, DOE-113094-B-5, DOE-113094-B-6, DOE-113094-B-7, DOE-113094-B-8, DOE-113094-B-9, DOE-120594-D-1, DOE-120894-C-1, DOE-120894-E-16, DOE-120894-E-17, DOE-120894-E-18, DOE-120894-E-22, DOE-120894-E-23, DOE-120894-E-24, DOE-120894-E-25, DOE-120894-E-26, DOE-120894-E-27, DOE-120894-E-29, DOE-120894-E-30, DOE-120894-E-31, DOE-120894-E-34, DOE-120894-E-38, DOE-120894-E-39, DOE-120894-E-40, DOE-120894-E-45, DOE-120894-E-49, DOE-120894-E-5, DOE-120894-E-52, DOE-120894-E-62, DOE-120894-E-64, DOE-120894-E-67, DOE-120894-E-71, DOE-120894-E-72, DOE-120894-E-90, DOE-120894-E-91, DOE-120894-E-93, DOE-120994-A-12, DOE-120994-A-19, DOE-120994-A-2, DOE-120994-A-23, DOE-120994-A-3, DOE-120994-A-4, DOE-121294-D-1, DOE-121294-D-10, DOE-121294-D-11, DOE-121294-D-12, DOE-121294-D-13, DOE-121294-D-14, DOE-121294-D-15, DOE-121294-D-16, DOE-121294-D-17, DOE-121294-D-18, DOE-121294-D-2, DOE-121294-D-3, DOE-121294-D-4, DOE-121294-D-5, DOE-121294-D-6, DOE-121294-D-7, DOE-121294-D-8, DOE-121294-D-9, DOE-121494-D-1, DOE-121494-D-2, DOE-020795-D-6, DOE-021095-B-11, DOE-021095-B-12, DOE-022195-A-2, DOE-022195-A-3, DOE-022195-A-6, DOE-041495-A-1, DOE-050495-B-1, DOE-050495-B-3, DOE-050595-B-1, NARA-082294-A-127, NARA-082294-A-147, NARA-082294-A-148, NARA-082294-A-150, NARA-082294-A-151, NARA-082294-A-159, NARA-082294-A-55, NARA-052495-A-1, NARA-082294-A-116, UCLA-101794-A-1, UCLA-111094-A-1, DOE-050495-B-2

**Marshall Islands**

DOD-121294-C-1, DOD-121294-C-2, DOE-060794-B-44, DOE-072294-A-9, DOE-082294-B-36, DOE-090694-A-7, DOE-093094-A-16, DOE-093094-A-17, DOE-093094-A-29, DOE-030395-A-1

**Massachusetts General Hospital (MGH)**

CIA-020795-A-1, DOD-042994-A-10, DOE-051094-A-404, DOE-021695-A-1, DOE-050895-D-1, DOE-050895-D-2, HAR-062394-A-4, HAR-100394-A-1, HAR-100394-A-2, HAR-100394-A-3, NARA-082294-A-35

**Massachusetts General Hospital (MGH): Thyroid Clinic**

MGH-030395-A-1

**Massachusetts Institute of Technology (MIT)**

DOE-070194-A-34, DOE-072294-A-14

**Media Relations**
DOE-051094-A-473, DOE-082294-B-32, DOE-082294-B-33, DOE-093094-A-17, DOE-093094-A-7, VCU-012595-A-24

**Medical College of Virginia**
DOD-062494-A-19

**Medical Diagnosis**
DOE-051094-A-117, DOE-051094-A-125, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-128, DOE-051094-A-130, DOE-051094-A-150, DOE-051094-A-151, DOE-051094-A-152, DOE-051094-A-153, DOE-051094-A-177, DOE-051094-A-184, DOE-051094-A-188, DOE-051094-A-206, DOE-051094-A-210, DOE-051094-A-211, DOE-051094-A-215, DOE-051094-A-22, DOE-051094-A-221, DOE-051094-A-24, DOE-051094-A-247, DOE-051094-A-249, DOE-051094-A-250, DOE-051094-A-251, DOE-051094-A-252, DOE-051094-A-256, DOE-051094-A-257, DOE-051094-A-261, DOE-051094-A-262, DOE-051094-A-263, DOE-051094-A-271, DOE-051094-A-279, DOE-051094-A-287, DOE-051094-A-29, DOE-051094-A-297, DOE-051094-A-312, DOE-051094-A-317, DOE-051094-A-318, DOE-051094-A-319, DOE-051094-A-323, DOE-051094-A-330, DOE-051094-A-333, DOE-051094-A-338, DOE-051094-A-339, DOE-051094-A-34, DOE-051094-A-35, DOE-051094-A-365, DOE-051094-A-370, DOE-051094-A-378, DOE-051094-A-38, DOE-051094-A-390, DOE-051094-A-403, DOE-051094-A-404, DOE-051094-A-408, DOE-051094-A-425, DOE-051094-A-435, DOE-051094-A-47, DOE-051094-A-48, DOE-051094-A-53, DOE-051094-A-79, DOE-051094-A-81, DOE-051094-A-87, DOE-060794-B-10, DOE-060794-B-2, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-8, DOE-061794-B-13, DOE-061794-B-15, DOE-061794-B-2, DOE-061794-B-23, DOE-061794-B-3, DOE-070794-C-18, DOE-070794-C-19, DOE-070794-C-20, DOE-072694-B-71, DOE-082294-B-45, NARA-082294-A-67, NARA-082294-A-82, NARA-082294-A-86, NARA-082294-A-88, NARA-082294-A-92, NARA-082294-A-93, TEX-101294-A-1, UCLA-111094-A-33, UCLA-090194-A-4

**Medical Equipment**
DOE-051094-A-124, DOE-051094-A-125, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-128, DOE-051094-A-129, DOE-051094-A-130, DOE-051094-A-131, DOE-051094-A-132, DOE-051094-A-133, DOE-051094-A-134, DOE-051094-A-135, DOE-051094-A-153, DOE-051094-A-209, DOE-051094-A-23, DOE-051094-A-233, DOE-051094-A-257, DOE-051094-A-312, DOE-051094-A-330, DOE-051094-A-335, DOE-051094-A-41, DOE-051094-A-410, DOE-060794-B-8, DOE-061794-B-14, DOE-070794-C-21, DOE-070794-C-22, DOE-070794-C-23, DOE-113094-C-2, DOE-120894-E-94, DOE-121294-B-3, DOE-122794-B-2, NARA-082294-A-136, NARA-082294-A-86, TEX-101294-A-1, UCLA-090194-A-4

**Medical Ethics**
DOE-051094-A-176, DOE-051094-A-181, DOE-051094-A-217, DOE-051094-A-222, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-45, DOE-051094-A-61, DOE-051094-A-94, DOE-072694-A-1, DOE-120894-E-56, NARA-082294-A-101

**Medical Isotope Committee**
DOE-070794-C-17

**Medical Laboratories**
BAY-101794-A-1, DOD-062194-A-2, DOD-062194-B-1, DOD-062194-B-4, DOD-062194-B-5, DOD-062194-B-6, DOD-072294-C-2, DOD-072294-C-3, DOD-072294-C-5, DOE-051094-A-124, DOE-051094-A-125, DOE-051094-A-127, DOE-051094-A-128, DOE-051094-A-130, DOE-051094-A-131, DOE-051094-A-132, DOE-051094-A-133, DOE-051094-A-134, DOE-051094-A-135, DOE-051094-A-233, DOE-051094-A-261, DOE-051094-A-329, DOE-051094-A-337, DOE-051094-A-408, DOE-051094-A-423, DOE-051094-A-437, DOE-051094-A-483, DOE-051094-A-568, DOE-051094-A-572, DOE-061794-B-19, DOE-082294-B-15, DOE-082294-B-18, DOE-082294-B-2, DOE-082294-B-22, DOE-082294-B-23, DOE-082294-B-24, DOE-082294-B-25, DOE-113094-C-2, DOE-120894-E-17, DOE-120894-E-2, DOE-120894-E-26, DOE-120894-E-29, DOE-120894-E-3, DOE-120894-E-36, DOE-120894-E-41, DOE-120894-E-42, DOE-120894-E-5, DOE-121294-B-9, DOE-122794-B-2, DOE-021095-B-13, DOE-021095-B-6, DOE-021095-B-7, HHS-071394-A-1, IND-071395-A-12, NARA-070794-A-9, NARA-082294-A-106, NARA-082294-A-125, NARA-082294-A-138, NARA-082294-A-144, NARA-082294-A-151, NARA-082294-A-152, NARA-082294-A-154, NARA-082294-A-160, NARA-082294-A-169, NARA-082294-A-73, NARA-082294-A-86, NARA-082294-A-92, UCLA-111094-A-36, UCLA-090194-A-4, UTAH-111394-A-2

**Medical Records**
DOD-012295-A-4, DOE-051094-A-126, DOE-051094-A-215, DOE-051094-A-251, DOE-051094-A-252, DOE-051094-A-259, DOE-051094-A-337, DOE-051094-A-615, DOE-051094-A-618, DOE-060794-B-22, DOE-060794-B-3, DOE-061794-B-13, DOE-061794-B-3, DOE-061794-B-4, DOE-082294-B-21, DOE-082294-B-44,

DOE-120994-A-2, DOE-021095-B-15, DOE-050895-D-1, DOE-050895-D-2, IND-071395-A-4, NARA-082294-A-157, NARA-082294-A-47, NARA-122294-B-1, UCLA-111094-A-31, UCLA-111094-A-1, UCLA-111094-A-2, UCLA-111094-A-4, UCLA-111094-A-7, UCLA-111094-A-8

**Medical Therapies**

BAY-101794-A-1, BAY-101794-A-2, BAY-101794-A-3, DOD-120694-A-2, DOD-120694-A-26, DOD-120694-A-50, DOD-020695-B-2, DOE-051094-A-117, DOE-051094-A-123, DOE-051094-A-124, DOE-051094-A-126, DOE-051094-A-128, DOE-051094-A-134, DOE-051094-A-135, DOE-051094-A-150, DOE-051094-A-151, DOE-051094-A-152, DOE-051094-A-153, DOE-051094-A-155, DOE-051094-A-228, DOE-051094-A-230, DOE-051094-A-232, DOE-051094-A-236, DOE-051094-A-256, DOE-051094-A-257, DOE-051094-A-261, DOE-051094-A-262, DOE-051094-A-263, DOE-051094-A-271, DOE-051094-A-279, DOE-051094-A-287, DOE-051094-A-297, DOE-051094-A-313, DOE-051094-A-317, DOE-051094-A-318, DOE-051094-A-319, DOE-051094-A-323, DOE-051094-A-329, DOE-051094-A-330, DOE-051094-A-339, DOE-051094-A-365, DOE-051094-A-378, DOE-051094-A-379, DOE-051094-A-390, DOE-051094-A-398, DOE-051094-A-408, DOE-051094-A-419, DOE-051094-A-425, DOE-051094-A-428, DOE-051094-A-438, DOE-051094-A-440, DOE-051094-A-441, DOE-051094-A-46, DOE-051094-A-485, DOE-051094-A-487, DOE-051094-A-538, DOE-051094-A-553, DOE-051094-A-563, DOE-051094-A-567, DOE-051094-A-569, DOE-051094-A-570, DOE-051094-A-571, DOE-051094-A-572, DOE-051094-A-582, DOE-051094-A-585, DOE-051094-A-60, DOE-051094-A-89, DOE-051094-A-91, DOE-060794-B-10, DOE-060794-B-14, DOE-060794-B-21, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-8, DOE-061794-B-14, DOE-061794-B-19, DOE-061794-B-2, DOE-061794-B-20, DOE-070194-A-26, DOE-070794-C-18, DOE-070794-C-19, DOE-070794-C-20, DOE-070794-C-24, DOE-071494-A-4, DOE-072294-A-2, DOE-082294-B-13, DOE-082294-B-45, DOE-082294-B-46, DOE-082294-B-47, DOE-082294-B-48, DOE-082294-B-49, DOE-082294-B-55, DOE-082294-B-59, DOE-101194-A-13, DOE-113094-C-1, DOE-120894-E-15, DOE-120894-E-27, DOE-120894-E-9, DOE-120894-E-94, DOE-120994-B-2, DOE-121294-B-1, DOE-121294-B-9, DOE-122294-A-1, DOE-052395-A-1, IND-071395-A-6, NARA-082294-A-106, NARA-082294-A-107, NARA-082294-A-136, NARA-082294-A-138, NARA-082294-A-142, NARA-082294-A-67, NARA-082294-A-77, NARA-082294-A-82, NARA-082294-A-86, NARA-082294-A-88, NARA-082294-A-92, NARA-082294-A-93, TEX-101294-A-1, UCLA-111094-A-14, UCLA-111094-A-22, UCLA-111094-A-33, UCLA-111094-A-34, UCLA-090194-A-4, UCLA-090194-A-7

**Meetings**

DOD-042994-A-15, DOD-072294-B-1, DOD-092894-A-2, DOD-021095-A-14, DOD-021095-A-2, DOD-021095-A-23, DOE-060794-B-35, DOE-070194-A-19, DOE-070194-A-28, DOE-070794-C-23, DOE-071494-A-3, DOE-072294-A-2, DOE-072694-B-26, DOE-072694-B-29, DOE-072694-B-40, DOE-082294-B-11, DOE-082294-B-12, DOE-082294-B-13, DOE-082294-B-15, DOE-082294-B-2, DOE-082294-B-20, DOE-082294-B-21, DOE-082294-B-28, DOE-082294-B-30, DOE-082294-B-32, DOE-082294-B-33, DOE-082294-B-35, DOE-082294-B-36, DOE-082294-B-7, DOE-101194-A-11, DOE-120894-E-95, DOE-030195-A-1, DOE-082294-B-3, HAR-100394-A-1, HAR-100394-A-2, HAR-100394-A-3, NARA-070794-A-2, NARA-082294-A-136, NARA-082294-A-152, NARA-082294-A-51, NARA-122294-B-1, WASH-112294-A-3, WASH-112294-A-6, UCLA-111094-A-20, UCLA-111094-A-26, UCLA-111094-A-32, VCU-012595-A-19

**Mentally Ill (subjects)**

DOE-121294-B-5

**Metabolism of Fission Products**

DOE-113094-B-8

**Methods and Techniques**

DOD-120694-A-26, DOE-051094-A-117, DOE-051094-A-121, DOE-051094-A-123, DOE-051094-A-187, DOE-051094-A-188, DOE-051094-A-215, DOE-051094-A-221, DOE-051094-A-231, DOE-051094-A-251, DOE-051094-A-256, DOE-051094-A-257, DOE-051094-A-261, DOE-051094-A-263, DOE-051094-A-264, DOE-051094-A-267, DOE-051094-A-273, DOE-051094-A-274, DOE-051094-A-277, DOE-051094-A-281, DOE-051094-A-283, DOE-051094-A-286, DOE-051094-A-287, DOE-051094-A-300, DOE-051094-A-308, DOE-051094-A-313, DOE-051094-A-317, DOE-051094-A-321, DOE-051094-A-333, DOE-051094-A-334, DOE-051094-A-339, DOE-051094-A-340, DOE-051094-A-359, DOE-051094-A-364, DOE-051094-A-370, DOE-051094-A-379, DOE-051094-A-380, DOE-051094-A-411, DOE-051094-A-428, DOE-051094-A-495, DOE-051094-A-78, DOE-051094-A-95, DOE-060794-B-1, DOE-061794-B-12, DOE-070794-C-19, DOE-070794-C-20, DOE-070794-C-5, DOE-082294-B-32, DOE-113094-C-1, DOE-120994-A-1, DOE-121294-D-19, DOE-021095-B-8, NARA-082294-A-144, NARA-082294-A-2, NARA-082294-A-29, NARA-082294-A-33, NARA-082294-A-38, NARA-082294-A-69, NARA-082294-A-71, NARA-082294-A-73, NARA-082294-A-77,

NARA-082294-A-80, NARA-082294-A-82, NARA-082294-A-83, NARA-082294-A-84, NARA-082294-A-86, NARA-082294-A-89, NARA-082294-A-90, NARA-082294-A-91, NARA-082294-A-92, NARA-082294-A-93, NARA-082294-A-94, NARA-082294-A-95, NARA-082294-A-96, NARA-082294-A-97

**Military Activities**
CORP-051894-A-3, CORP-010395-A-3, DOD-042994-A-17, DOD-071194-A-1, DOD-072294-B-1, DOD-072794-B-2, DOD-072794-B-3, DOD-072794-C-29, DOD-091494-A-4, DOD-091494-A-5, DOD-100694-A-1, DOD-121294-C-2, DOE-051094-A-317, DOE-051094-A-344, DOE-051094-A-345, DOE-051094-A-476, DOE-051094-A-484, DOE-051094-A-537, DOE-051094-A-550, DOE-051094-A-551, DOE-051094-A-58, DOE-051094-A-69, DOE-051094-A-70, DOE-051094-A-71, DOE-070194-A-32, DOE-070194-A-42, DOE-071494-A-2, DOE-072694-B-42, DOE-072694-B-68, DOE-082294-B-1, DOE-082294-B-2, DOE-082294-B-26, DOE-090694-A-4, DOE-090694-A-8, DOE-093094-A-1, DOE-093094-A-10, DOE-093094-A-11, DOE-093094-A-12, DOE-093094-A-13, DOE-093094-A-14, DOE-093094-A-2, DOE-093094-A-3, DOE-093094-A-4, DOE-093094-A-5, DOE-093094-A-6, DOE-093094-A-7, DOE-093094-A-8, DOE-093094-A-9, DOE-033195-B-1, DOE-040395-B-1, IND-071395-A-2, NARA-070794-A-1, NARA-070794-A-2, NARA-070794-A-3, NARA-070794-A-7, VCU-012595-A-5

**Military Applications**
DOE-082294-B-3

**Military Liaison Committee to AEC (DOD/OSD/MLC)**
CORP-051894-A-1, DOD-071194-A-3, DOD-071194-A-4, DOD-071194-A-5, DOD-010395-C-2, DOD-021095-A-10, DOD-021095-A-18, DOD-021095-A-19, DOD-021095-A-3, DOD-021795-A-1, DOE-072694-B-1, DOE-072694-B-61, DOE-092694-B-4, DOE-092694-B-5, DOE-092694-B-6, DOE-040395-B-1, DOE-041295-A-2, DOE-041295-A-3, DOE-041295-A-5

**Miller, Earl**
DOD-012295-A-2, DOE-051094-A-605, DOE-110894-A-4, DOE-113094-C-1, DOE-121294-B-3, DOE-121294-B-4, IND-071395-A-4, UCLA-111094-A-20, UCLA-111094-A-27

**Monitoring**
ACHRE-041495-B-1, CORP-051894-A-3, DOE-051094-A-110, DOE-051094-A-113, DOE-051094-A-114, DOE-051094-A-116, DOE-051094-A-119, DOE-051094-A-186, DOE-051094-A-188, DOE-051094-A-190, DOE-051094-A-202, DOE-051094-A-203, DOE-051094-A-205, DOE-051094-A-206, DOE-051094-A-208, DOE-051094-A-210, DOE-051094-A-211, DOE-051094-A-213, DOE-051094-A-214, DOE-051094-A-23, DOE-051094-A-24, DOE-051094-A-247, DOE-051094-A-248, DOE-051094-A-249, DOE-051094-A-250, DOE-051094-A-251, DOE-051094-A-254, DOE-051094-A-255, DOE-051094-A-300, DOE-051094-A-312, DOE-051094-A-32, DOE-051094-A-322, DOE-051094-A-323, DOE-051094-A-338, DOE-051094-A-339, DOE-051094-A-351, DOE-051094-A-352, DOE-051094-A-354, DOE-051094-A-357, DOE-051094-A-358, DOE-051094-A-361, DOE-051094-A-362, DOE-051094-A-366, DOE-051094-A-368, DOE-051094-A-369, DOE-051094-A-370, DOE-051094-A-371, DOE-051094-A-373, DOE-051094-A-375, DOE-051094-A-381, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-387, DOE-051094-A-39, DOE-051094-A-399, DOE-051094-A-400, DOE-051094-A-403, DOE-051094-A-404, DOE-051094-A-405, DOE-051094-A-406, DOE-051094-A-407, DOE-051094-A-408, DOE-051094-A-409, DOE-051094-A-410, DOE-051094-A-425, DOE-051094-A-427, DOE-051094-A-474, DOE-051094-A-477, DOE-051094-A-479, DOE-051094-A-48, DOE-051094-A-50, DOE-051094-A-519, DOE-051094-A-520, DOE-051094-A-521, DOE-051094-A-538, DOE-051094-A-54, DOE-051094-A-550, DOE-051094-A-551, DOE-051094-A-576, DOE-051094-A-577, DOE-051094-A-599, DOE-051094-A-65, DOE-051094-A-66, DOE-051094-A-71, DOE-051094-A-73, DOE-051094-A-77, DOE-051094-A-78, DOE-051094-A-87, DOE-060794-B-41, DOE-061794-A-1, DOE-070194-A-13, DOE-071494-A-3, DOE-072694-B-47, DOE-082294-B-11, DOE-082294-B-33, DOE-090694-A-4, DOE-093094-A-16, DOE-093094-A-30, DOE-101194-B-1, DOE-101194-B-3, DOE-120294-B-7, DOE-120894-E-5, DOE-120894-E-51, DOE-121594-A-1, DOE-122194-B-1, DOE-031095-B-1, DOE-033095-A-1, DOE-101194-B-2, DOE-101194-B-2, NARA-070794-A-5, NARA-070794-A-7, NARA-082294-A-155, NARA-082294-A-23, UCLA-090194-A-1, UCLA-090194-A-2, UCLA-090194-A-4, UCLA-090194-A-5

**Monsanto Chemical Company**
DOE-070194-A-6, DOE-071494-A-7, DOE-090694-A-1, DOE-101194-A-6, DOE-101194-A-7, NARA-082294-A-31

**Morgan, Karl**
DOD-071194-A-4, DOD-071194-A-5, DOD-100694-A-2, DOE-051094-A-1, DOE-051094-A-118, DOE-051094-A-343, DOE-051094-A-366, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-422, DOE-051094-A-519, DOE-051094-A-521, DOE-051094-A-576,

DOE-051094-A-620, DOE-061794-A-1, DOE-071494-A-8, DOE-072694-B-22, DOE-072694-B-28, DOE-072694-B-29, DOE-072694-B-5, DOE-072694-B-61, DOE-072694-B-62, DOE-072694-B-8, DOE-082294-B-35, DOE-092694-B-5, DOE-101194-A-11, DOE-113094-B-6, DOE-120294-B-7, DOE-120894-E-65, DOE-120894-E-66, DOE-122194-B-1, DOE-021095-B-10, DOE-021695-A-1, DOE-022195-A-7, NARA-082294-A-51, NARA-082294-A-84, UCLA-111094-A-26

**M. D. Anderson Hospital (Houston Texas)**
CORP-010995-A-1, DOD-062194-B-15, DOD-092894-A-1, DOD-092894-A-2, DOD-102594-A-1, DOD-121994-C-1, IND-091594-A-1

**National Advisory Cancer Council**
DOE-051094-A-93

**National Aeronautics and Space Administration (NASA)**
DOD-102894-A-3, DOD-102894-A-4, DOD-102894-A-5, DOD-120694-A-31, DOE-051094-A-136, DOE-051094-A-208, DOE-051094-A-226, DOE-051094-A-229, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-233, DOE-051094-A-378, DOE-051094-A-388, DOE-051094-A-413, DOE-051094-A-444, DOE-051094-A-461, DOE-051094-A-544, DOE-051094-A-94, DOE-061794-B-21, DOE-093094-A-15, NARA-082294-A-108, NARA-082294-A-132, NARA-082294-A-133, NARA-082294-A-134, NARA-082294-A-58, NARA-082294-A-59

**National Archives and Records Administration (NARA)**
NARA-071194-A-2, NARA-012395-A-3

**National Cancer Institute (PHS/NIH/NCI)**
NARA-052495-A-1

**National Institutes of Health (NIH)**
DOD-042994-A-21, DOD-111594-A-1, DOE-051094-A-208, DOE-051094-A-226, DOE-051094-A-237, DOE-051094-A-238, DOE-051094-A-240, DOE-051094-A-242, DOE-051094-A-456, DOE-051094-A-98, DOE-051094-A-99, DOE-060794-B-7, DOE-061794-B-21, HHS-071394-A-1, HHS-071394-A-3, HHS-072894-A-1, HHS-090794-A-2

**National Research Council (NAS/NRC)**
NARA-082294-A-104, VCU-012595-A-2, VCU-012595-A-20

**National Security**
DOD-062494-A-18, DOD-062494-A-20

**Naval Medical Research Institute (DOD/USN/NMRI)**
DOD-091494-A-1, DOD-091494-A-4, DOD-091494-A-5, DOD-121294-C-1, DOD-121294-C-2

**Naval Radiological Defense Laboratory (DOD/USN/NRDL)**
DOD-062494-A-19, DOD-071494-A-1, DOD-090994-D-1, DOD-091494-A-3, DOD-121294-C-1, DOD-121294-C-2, DOD-021095-A-13, DOD-021795-A-3, DOE-051094-A-211, DOE-051094-A-476, NARA-070794-A-5, VCU-012595-A-9

**Navy (DOD/USN)**
DOD-062494-A-18, DOD-062494-A-19, DOD-062494-A-20, DOD-062494-A-21, DOD-062494-A-22, DOD-062494-A-23, DOD-062494-A-24, DOD-091494-A-2, DOD-091494-A-3, DOD-091494-A-4, DOD-091494-A-6, DOD-091494-A-7, DOD-120694-A-25, DOD-120694-A-31, DOD-120694-A-41, DOD-120694-A-45, DOD-120694-A-6, DOD-120694-A-7, DOD-121294-C-1, DOD-020695-B-2, DOE-051094-A-211, DOE-051094-A-476, DOE-051094-A-547, DOE-051094-A-548, DOE-051094-A-69, DOE-051094-A-71, DOE-062494-A-1, DOE-062494-A-2, DOD-012295-A-1, NARA-070794-A-1, NARA-070794-A-3, NARA-070794-A-4, NARA-082294-A-140, NARA-082294-A-141, DOD-083094-A-1

**Nevada Test Site (Mercury Nevada)**
DOD-100694-A-1, DOD-100694-A-2, DOE-051094-A-39, DOE-020795-D-1, DOE-021095-B-14, DOE-022395-C-1

**New York University**
NARA-012395-A-5

**Nichols, K. D.**
DOD-071194-A-3, DOD-010395-C-1, DOD-021095-A-11, DOD-021795-A-1, DOD-021795-A-3, DOE-113094-B-2, DOE-120894-E-21, DOE-120894-E-29, DOE-120894-E-38, DOE-120894-E-45, DOE-120894-E-67, DOE-120894-E-91, DOE-121494-D-3

**Nickson, J. J.**
DOD-060794-A-1, DOD-062194-A-3, DOE-051094-A-199, DOE-051094-A-201, DOE-051094-A-370, DOE-051094-A-378, DOE-051094-A-422, DOE-051094-A-427, DOE-051094-A-433, DOE-051094-A-572,

DOE-051094-A-9, DOE-120894-E-19, DOE-120894-E-25, DOE-120894-E-42, DOE-120894-E-43, DOE-121294-D-14, DOE-121294-D-15, DOE-121494-D-3, NARA-082294-A-51, NARA-082294-A-52

**Nuclear Energy Propulsion for Airplanes Program (DOD/USAF/NEPA)**

DOD-042994-A-15, DOD-042994-A-17, DOD-062194-B-3, DOE-070194-A-42, DOE-120994-B-1, DOE-060295-C-1, NARA-070794-A-9

**Nuclear Rockets**

DOE-093094-A-15, DOE-093094-A-18, DOE-020795-D-1, DOE-021095-B-3, DOE-022195-A-1, DOE-022395-C-1

**Nuremberg Codes/Trials**

DOD-042595-A-1, DOE-060794-B-40, DOE-050895-A-1, HAR-062394-A-1, IND-011195-A-1, NARA-012395-A-5, NARA-032495-A-0, WASH-112294-A-5

**Oak Ridge Associated Universities (ORAU)**

DOE-051094-A-117, DOE-051094-A-125, DOE-051094-A-136, DOE-051094-A-137, DOE-051094-A-155, DOE-051094-A-157, DOE-051094-A-190, DOE-051094-A-2, DOE-051094-A-205, DOE-051094-A-220, DOE-051094-A-223, DOE-051094-A-226, DOE-051094-A-228, DOE-051094-A-229, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-232, DOE-051094-A-233, DOE-051094-A-234, DOE-051094-A-235, DOE-051094-A-238, DOE-051094-A-239, DOE-051094-A-240, DOE-051094-A-241, DOE-051094-A-243, DOE-051094-A-244, DOE-051094-A-245, DOE-051094-A-246, DOE-051094-A-258, DOE-051094-A-275, DOE-051094-A-283, DOE-051094-A-298, DOE-051094-A-304, DOE-051094-A-316, DOE-051094-A-321, DOE-051094-A-329, DOE-051094-A-333, DOE-051094-A-334, DOE-051094-A-337, DOE-051094-A-34, DOE-051094-A-378, DOE-051094-A-379, DOE-051094-A-396, DOE-051094-A-429, DOE-051094-A-430, DOE-051094-A-431, DOE-051094-A-432, DOE-051094-A-434, DOE-051094-A-435, DOE-051094-A-436, DOE-051094-A-437, DOE-051094-A-438, DOE-051094-A-440, DOE-051094-A-442, DOE-051094-A-443, DOE-051094-A-447, DOE-051094-A-449, DOE-051094-A-454, DOE-051094-A-455, DOE-051094-A-456, DOE-051094-A-458, DOE-051094-A-460, DOE-051094-A-461, DOE-051094-A-464, DOE-051094-A-492, DOE-051094-A-494, DOE-051094-A-500, DOE-051094-A-502, DOE-051094-A-510, DOE-051094-A-511, DOE-051094-A-513, DOE-051094-A-515, DOE-051094-A-516, DOE-051094-A-517, DOE-051094-A-518, DOE-051094-A-530, DOE-051094-A-531, DOE-051094-A-533, DOE-051094-A-543, DOE-051094-A-544, DOE-051094-A-554, DOE-051094-A-555, DOE-051094-A-557, DOE-051094-A-564, DOE-051094-A-594, DOE-051094-A-597, DOE-051094-A-93, DOE-051094-A-96, DOE-051094-A-97, DOE-051094-A-98, DOE-051094-A-99, DOE-061794-B-18, DOE-061794-B-21, DOE-061794-B-22, DOE-061794-C-1, DOE-061794-C-2, DOE-061794-C-2, DOE-061794-C-4, DOE-061794-C-5, DOE-061794-C-6, DOE-070794-C-1, DOE-070794-C-11, DOE-070794-C-12, DOE-070794-C-13, DOE-070794-C-14, DOE-070794-C-16, DOE-070794-C-17, DOE-070794-C-19, DOE-070794-C-20, DOE-070794-C-26, DOE-070794-C-5, DOE-070794-C-7, DOE-070794-C-9, DOE-112194-D-1, DOE-052395-A-1, NARA-082294-A-17, NARA-082294-A-69, NARA-122294-B-1

**Oak Ridge Institute for Nuclear Studies (ORINS)**

DOE-051094-A-124, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-128, DOE-051094-A-129, DOE-051094-A-130, DOE-051094-A-131, DOE-051094-A-132, DOE-051094-A-133, DOE-051094-A-134, DOE-051094-A-135, DOE-051094-A-220, DOE-051094-A-233, DOE-051094-A-34, DOE-051094-A-378, DOE-051094-A-44, DOE-051094-A-467, DOE-051094-A-502, DOE-051094-A-503, DOE-051094-A-544, DOE-051094-A-596, DOE-070794-C-1, DOE-070794-C-10, DOE-070794-C-27, DOE-070794-C-7, DOE-072294-A-3, DOE-072294-A-4, DOE-082294-B-45, DOE-101194-A-15, DOE-112194-D-2, DOE-120894-E-85, DOE-120894-E-94, DOE-121494-C-1, DOE-121494-C-2, DOE-121494-C-3, DOE-121494-C-4, DOE-052395-A-1, NARA-082294-A-100, NARA-082294-A-103, NARA-082294-A-105, NARA-082294-A-113, NARA-082294-A-139, NARA-082294-A-154, NARA-082294-A-166, NARA-082294-A-167, NARA-082294-A-169, NARA-082294-A-30, NARA-082294-A-36, NARA-082294-A-40, NARA-082294-A-70, NARA-082294-A-74, NARA-082294-A-75, NARA-122294-B-1

**Oak Ridge National Laboratory (DOE/ORNL)**

DOD-062194-B-11, DOD-122294-D-2, DOD-021095-A-6, DOE-051094-A-161, DOE-051094-A-196, DOE-051094-A-220, DOE-051094-A-310, DOE-051094-A-34, DOE-051094-A-365, DOE-051094-A-366, DOE-051094-A-369, DOE-051094-A-37, DOE-051094-A-380, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-386, DOE-051094-A-404, DOE-051094-A-411, DOE-051094-A-466, DOE-051094-A-534, DOE-051094-A-540, DOE-051094-A-575, DOE-051094-A-611, DOE-051094-A-620, DOE-060794-B-29, DOE-061794-A-1, DOE-061794-B-1, DOE-061794-B-14, DOE-061794-B-19, DOE-070194-A-9, DOE-071494-A-1, DOE-071494-A-2, DOE-072294-A-1, DOE-072694-B-22, DOE-072694-B-28, DOE-072694-B-49, DOE-072694-B-5, DOE-082294-B-26, DOE-082294-B-35, DOE-082294-B-38, DOE-082294-B-4,

DOE-082294-B-41, DOE-082294-B-42, DOE-082294-B-43, DOE-082294-B-44, DOE-082294-B-45, DOE-082294-B-46, DOE-082294-B-47, DOE-082294-B-48, DOE-082294-B-49, DOE-090694-A-1, DOE-092694-A-2, DOE-092694-B-5, DOE-101194-A-3, DOE-120294-B-1, DOE-120294-B-10, DOE-120294-B-11, DOE-120294-B-12, DOE-120294-B-13, DOE-120294-B-14, DOE-120294-B-15, DOE-120294-B-16, DOE-120294-B-2, DOE-120294-B-3, DOE-120294-B-4, DOE-120294-B-5, DOE-120294-B-7, DOE-120294-B-8, DOE-120294-B-9, DOE-120894-E-68, DOE-120894-E-80, DOE-120894-E-87, DOE-120894-E-88, DOE-120894-E-94, DOE-120894-E-95, DOE-120894-E-96, DOE-120994-A-24, DOE-120994-A-25, DOE-120994-A-26, DOE-122194-B-1, DOE-021095-B-10, DOE-021695-A-1, DOE-022195-A-7, DOE-030195-B-1, DOE-030195-B-2, DOE-032995-A-1, DOE-032995-A-2, DOE-032995-A-3, DOE-040695-A-4, DOE-040695-A-5, DOE-050895-D-2, IND-071395-A-10, NARA-082294-A-10, NARA-082294-A-109, NARA-082294-A-110, NARA-082294-A-112, NARA-082294-A-128, NARA-082294-A-132, NARA-082294-A-133, NARA-082294-A-134, NARA-082294-A-146, NARA-082294-A-22, NARA-082294-A-33, NARA-082294-A-35, NARA-082294-A-46, NARA-082294-A-58, NARA-082294-A-59, NARA-082294-A-63, NARA-082294-A-64, NARA-082294-A-79, NARA-082294-A-85, NARA-082294-A-86, NARA-122294-B-1, CON-042894-A-4

**Occupational Exposures**

DOE-020795-D-4, DOE-021095-B-1, DOE-021095-B-2

**Occupational Guidelines**

DOD-072794-B-14, DOD-072794-B-21, DOE-051094-A-157, DOE-051094-A-235, DOE-051094-A-258, DOE-051094-A-270, DOE-051094-A-28, DOE-051094-A-288, DOE-051094-A-292, DOE-051094-A-308, DOE-051094-A-318, DOE-051094-A-328, DOE-051094-A-457, DOE-051094-A-462, DOE-051094-A-472, DOE-051094-A-499, DOE-051094-A-500, DOE-051094-A-501, DOE-051094-A-506, DOE-051094-A-507, DOE-051094-A-518, DOE-051094-A-529, DOE-051094-A-564, DOE-051094-A-589, DOE-060794-B-1, DOE-060794-B-40, DOE-061794-A-1, DOE-061794-A-2, DOE-061794-A-3, DOE-061794-B-2, DOE-061794-B-4, DOE-061794-B-5, DOE-070794-C-13, DOE-082294-B-58, DOE-101194-B-1, DOE-113094-B-6, DOE-120894-E-18, DOE-120894-E-20, DOE-120894-E-21, DOE-120894-E-25, DOE-120894-E-51, DOE-120894-E-53, DOE-120894-E-89, DOE-120894-E-95, DOE-120894-E-96, DOE-120994-A-19, DOE-120994-A-22, DOE-120994-A-23, NARA-082294-A-156, DOE-020795-D-1, DOE-020795-D-3, DOE-022195-A-7, DOE-033095-A-1, DOE-040695-A-1, DOE-040695-A-14, DOE-101194-B-2, DOE-101194-B-2, NARA-082294-A-153, NARA-082294-A-156, NARA-082294-A-157, NARA-082294-A-161, NARA-082294-A-162, NARA-082294-A-163, NARA-082294-A-170, NARA-082294-A-172, NARA-082294-A-46, NARA-082294-A-49, NARA-082294-A-50, NARA-082294-A-81, NARA-082294-A-84, NARA-082294-A-92, NARA-082294-A-94, NARA-082294-A-95, NARA-082294-A-96, UTAH-111394-A-2

**Occupational Health**

DOD-062194-B-14, DOD-062194-B-5, DOD-072294-C-1, DOD-072294-C-3, DOD-072294-C-4, DOD-072794-B-14, DOD-072794-B-2, DOD-072794-B-21, DOD-080694-A-1, DOD-090994-B-1, DOD-121294-C-1, DOE-051094-A-124, DOE-051094-A-196, DOE-051094-A-206, DOE-051094-A-215, DOE-051094-A-250, DOE-051094-A-252, DOE-051094-A-259, DOE-051094-A-273, DOE-051094-A-285, DOE-051094-A-288, DOE-051094-A-289, DOE-051094-A-29, DOE-051094-A-290, DOE-051094-A-293, DOE-051094-A-304, DOE-051094-A-312, DOE-051094-A-317, DOE-051094-A-321, DOE-051094-A-323, DOE-051094-A-327, DOE-051094-A-328, DOE-051094-A-339, DOE-051094-A-353, DOE-051094-A-354, DOE-051094-A-355, DOE-051094-A-357, DOE-051094-A-358, DOE-051094-A-365, DOE-051094-A-369, DOE-051094-A-38, DOE-051094-A-387, DOE-051094-A-40, DOE-051094-A-406, DOE-051094-A-407, DOE-051094-A-409, DOE-051094-A-417, DOE-051094-A-43, DOE-051094-A-44, DOE-051094-A-455, DOE-051094-A-457, DOE-051094-A-462, DOE-051094-A-464, DOE-051094-A-465, DOE-051094-A-466, DOE-051094-A-472, DOE-051094-A-474, DOE-051094-A-48, DOE-051094-A-499, DOE-051094-A-500, DOE-051094-A-501, DOE-051094-A-506, DOE-051094-A-507, DOE-051094-A-518, DOE-051094-A-529, DOE-051094-A-564, DOE-051094-A-585, DOE-051094-A-590, DOE-051094-A-69, DOE-051094-A-70, DOE-051094-A-71, DOE-051094-A-72, DOE-051094-A-73, DOE-051094-A-75, DOE-051094-A-77, DOE-051094-A-79, DOE-051094-A-82, DOE-051094-A-83, DOE-051094-A-85, DOE-060794-B-1, DOE-061794-A-1, DOE-061794-A-3, DOE-061794-B-2, DOE-061794-B-3, DOE-061794-B-4, DOE-070194-A-1, DOE-070194-A-10, DOE-070194-A-11, DOE-070194-A-13, DOE-070194-A-15, DOE-070194-A-19, DOE-070194-A-31, DOE-070194-A-33, DOE-070194-A-5, DOE-070194-A-7, DOE-070194-A-8, DOE-070794-C-13, DOE-082294-B-11, DOE-082294-B-58, DOE-090694-A-5, DOE-101194-A-1, DOE-101194-A-6, DOE-101194-B-1, DOE-120294-B-10, DOE-120294-B-11, DOE-120294-B-12, DOE-120294-B-13, DOE-120294-B-7, DOE-120294-B-8, DOE-120294-B-9, DOE-120894-E-16, DOE-120894-E-18, DOE-120894-E-20, DOE-120894-E-21, DOE-120894-E-24, DOE-120894-E-25, DOE-120894-E-26, DOE-120894-E-28, DOE-120894-E-32, DOE-120894-E-33, DOE-120894-E-44,

DOE-120894-E-46, DOE-120894-E-48, DOE-120894-E-51, DOE-120894-E-66, DOE-120894-E-67, DOE-120894-E-73, DOE-120894-E-75, DOE-120894-E-79, DOE-120894-E-80, DOE-120894-E-84, DOE-120894-E-85, DOE-120894-E-86, DOE-120894-E-89, DOE-120894-E-93, DOE-120894-E-95, DOE-120894-E-96, DOE-120994-A-1, DOE-120994-A-19, DOE-120994-A-22, DOE-120994-A-23, DOE-121494-D-3, NARA-082294-A-156, DOE-020795-D-1, DOE-020795-D-3, DOE-022195-A-4, DOE-022195-A-5, DOE-022195-A-7, DOE-101194-B-2, DOE-101194-B-2, NARA-082294-A-153, NARA-082294-A-155, NARA-082294-A-156, NARA-082294-A-157, NARA-082294-A-161, NARA-082294-A-162, NARA-082294-A-163, NARA-082294-A-170, NARA-082294-A-172, NARA-082294-A-43, NARA-082294-A-46, NARA-082294-A-49, NARA-082294-A-50, NARA-082294-A-52, NARA-082294-A-81, NARA-082294-A-84, NARA-082294-A-92, NARA-082294-A-94, NARA-082294-A-95, NARA-082294-A-96, UCLA-111094-A-26, UCLA-111094-A-28, UTAH-111394-A-2

**Office of Scientific Research and Development (EOP/OSRD)**
CORP-051894-A-3, DOE-120994-A-16

**Office of the Secretary of Defense (DOD/OSD)**
NARA-070794-A-9, NARA-101294-A-1, NARA-101294-A-3

**Office of the Surgeon General (PHS/OSG)**
DOD-091494-A-7, DOD-121294-C-1, DOE-051094-A-99, DOE-082294-B-70, HAR-062394-A-1, HAR-062394-A-2, NARA-070794-A-2, NARA-012395-A-2, UCIN-103194-A-1, VCU-012595-A-8

**Operation Crossroads**
DOE-113094-B-8

**Oppenheimer, Robert**
DOE-051094-A-11, DOE-051094-A-193, DOE-040695-A-3, DOE-040695-A-4, NARA-082294-A-37

**Oregon State Prison (Selon Oregon)**
CORP-013095-A-2, DOE-082294-B-70, IND-061594-A-1, IND-101294-D-1, NARA-082294-A-113

**Pacific Northwest Laboratories (Battelle/PNL)**
CORP-013095-A-2, DOE-051094-A-18, DOE-051094-A-20, DOE-051094-A-347, DOE-051094-A-375, DOE-051094-A-376, DOE-060794-B-35, DOE-070794-C-21, DOE-070794-C-22, DOE-070794-C-23, DOE-082294-B-56, DOE-082294-B-57, DOE-082294-B-59, DOE-082294-B-60, DOE-082294-B-61, DOE-082294-B-62, DOE-082294-B-63, DOE-082294-B-64, DOE-082294-B-65, DOE-082294-B-66, DOE-082294-B-68, DOE-082294-B-69, NARA-082294-A-113, NARA-082294-A-77

**Pantex**
DOE-040695-A-15

**Parker, Herbert**
DOE-061794-A-1, DOE-061794-A-2, DOE-070794-A-1, DOE-070794-A-2, IND-120294-A-1, IND-120294-A-2

**Partial Body Irradiation**
BAY-101794-A-1, BAY-101794-A-2

**Permissible Internal Dose**
DOE-021095-B-10

**Physical Measurement**
DOD-080594-A-2, DOD-080694-A-2, DOD-120694-A-7, DOE-051094-A-110, DOE-051094-A-113, DOE-051094-A-114, DOE-051094-A-186, DOE-051094-A-209, DOE-051094-A-210, DOE-051094-A-211, DOE-051094-A-212, DOE-051094-A-213, DOE-051094-A-215, DOE-051094-A-217, DOE-051094-A-22, DOE-051094-A-223, DOE-051094-A-224, DOE-051094-A-23, DOE-051094-A-24, DOE-051094-A-247, DOE-051094-A-248, DOE-051094-A-249, DOE-051094-A-250, DOE-051094-A-254, DOE-051094-A-312, DOE-051094-A-32, DOE-051094-A-322, DOE-051094-A-338, DOE-051094-A-360, DOE-051094-A-361, DOE-051094-A-362, DOE-051094-A-365, DOE-051094-A-366, DOE-051094-A-368, DOE-051094-A-369, DOE-051094-A-370, DOE-051094-A-371, DOE-051094-A-373, DOE-051094-A-380, DOE-051094-A-381, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-386, DOE-051094-A-399, DOE-051094-A-400, DOE-051094-A-404, DOE-051094-A-405, DOE-051094-A-406, DOE-051094-A-407, DOE-051094-A-408, DOE-051094-A-409, DOE-051094-A-410, DOE-051094-A-422, DOE-051094-A-425, DOE-051094-A-426, DOE-051094-A-427, DOE-051094-A-48, DOE-051094-A-50, DOE-051094-A-519, DOE-051094-A-520, DOE-051094-A-521, DOE-051094-A-54, DOE-051094-A-576, DOE-051094-A-577, DOE-051094-A-599, DOE-051094-A-76, DOE-051094-A-77, DOE-051094-A-78, DOE-051094-A-80, DOE-051094-A-87, DOE-061794-A-1, DOE-061794-B-6, DOE-120994-A-1, NARA-082294-A-150, NARA-082294-A-52, NARA-082294-A-53

*Sources and Documentation*


**Pickering, John**
DOD-072794-B-2, DOD-072794-B-3

**Plutonium Injections**
DOE-051094-A-10, DOE-051094-A-119, DOE-051094-A-120, DOE-051094-A-121, DOE-051094-A-159, DOE-051094-A-160, DOE-051094-A-162, DOE-051094-A-163, DOE-051094-A-175, DOE-051094-A-178, DOE-051094-A-180, DOE-051094-A-181, DOE-051094-A-184, DOE-051094-A-185, DOE-051094-A-192, DOE-051094-A-195, DOE-051094-A-196, DOE-051094-A-197, DOE-051094-A-198, DOE-051094-A-217, DOE-051094-A-218, DOE-051094-A-220, DOE-051094-A-223, DOE-051094-A-224, DOE-051094-A-37, DOE-051094-A-378, DOE-051094-A-4, DOE-051094-A-409, DOE-051094-A-425, DOE-051094-A-426, DOE-051094-A-427, DOE-051094-A-433, DOE-051094-A-470, DOE-051094-A-471, DOE-051094-A-5, DOE-051094-A-503, DOE-051094-A-586, DOE-051094-A-587, DOE-051094-A-6, DOE-051094-A-604, DOE-051094-A-605, DOE-051094-A-606, DOE-051094-A-607, DOE-051094-A-608, DOE-051094-A-611, DOE-051094-A-612, DOE-051094-A-615, DOE-051094-A-616, DOE-051094-A-618, DOE-051094-A-619, DOE-051094-A-7, DOE-061794-A-1, DOE-061794-B-16, DOE-070194-A-16, DOE-070194-A-18, DOE-070194-A-19, DOE-070194-A-28, DOE-070194-A-29, DOE-070194-A-35, DOE-072694-B-65, DOE-072694-B-66, DOE-072694-B-67, DOE-082294-B-72, DOE-082294-B-73, DOE-112194-D-3, DOE-113094-B-5, DOE-113094-B-7, DOE-113094-B-8, DOE-113094-B-9, DOE-120894-C-1, DOE-120894-E-40, DOE-120894-E-61, DOE-120894-E-63, DOE-121294-D-1, DOE-121294-D-10, DOE-121294-D-11, DOE-121294-D-12, DOE-121294-D-13, DOE-121294-D-14, DOE-121294-D-15, DOE-121294-D-16, DOE-121294-D-17, DOE-121294-D-18, DOE-121294-D-19, DOE-121294-D-2, DOE-121294-D-3, DOE-121294-D-4, DOE-121294-D-5, DOE-121294-D-6, DOE-121294-D-7, DOE-121294-D-8, DOE-121294-D-9, DOE-041495-A-1, IND-071395-A-11, NARA-082294-A-45, NARA-020895-A-1, UCLA-111094-A-6, UCLA-111094-A-7

**Population Exposure**
DOE-020795-D-5

**Postum**
CON-030795-A-2, DOE-051094-A-4, DOE-051094-A-5, DOE-113094-B-6, DOE-120894-E-5, NARA-082294-A-148

**Pregnant Women**
DOE-121294-B-2, DOE-021095-B-5

**Prisoners**
CORP-013095-A-2, DOD-042994-A-15, DOE-082294-B-56, DOE-082294-B-60, DOE-082294-B-61, DOE-082294-B-62, DOE-082294-B-63, DOE-082294-B-64, DOE-082294-B-65, DOE-082294-B-66, DOE-082294-B-67, DOE-082294-B-70, DOE-082294-B-71, DOE-121294-B-6, DOE-121294-B-7, DOE-122994-A-2, DOE-011895-B-3, DOE-012795-C-1, DOD-012295-A-1, IND-061594-A-1, IND-101294-D-1, IND-101294-D-2, IND-110994-A-2, NARA-070794-A-1, NARA-082294-A-113, WASH-112294-A-2, WASH-112294-A-3, WASH-112294-A-4, WASH-112294-A-5, WASH-112294-A-6, UCLA-111094-A-37, VCU-012595-A-16, VCU-012595-A-17, VCU-012595-A-18, WASH-112294-A-1

**Private Laboratories**
DOE-051094-A-578, NARA-082294-A-110, NARA-082294-A-128

**Product**
DOE-051094-A-17, DOE-070194-A-10, DOE-070194-A-11, DOE-070194-A-29, DOE-070194-A-9, DOE-020795-D-6, IND-071395-A-14, NARA-082294-A-147

**Project Chariot**
CORP-013095-A-1, DOE-121494-E-2

**Project Mercury**
DOD-102894-A-3

**Protection/Shielding**
DOD-062194-B-11, DOD-062194-B-7, DOD-072794-B-2, DOD-072794-B-3, DOD-100694-A-1, DOD-120694-A-10, DOD-120694-A-16, DOD-120694-A-18, DOD-120694-A-21, DOD-120694-A-27, DOD-120694-A-28, DOD-120694-A-30, DOD-120694-A-31, DOD-120694-A-36, DOD-120694-A-37, DOD-120694-A-39, DOD-120694-A-41, DOD-120694-A-43, DOD-120694-A-44, DOD-120694-A-45, DOD-120694-A-46, DOD-120694-A-51, DOD-121294-C-1, DOD-030895-F-5, DOE-051094-A-124, DOE-051094-A-250, DOE-051094-A-258, DOE-051094-A-288, DOE-051094-A-289, DOE-051094-A-290, DOE-051094-A-308, DOE-051094-A-321, DOE-051094-A-69, DOE-051094-A-70, DOE-060794-B-1, DOE-061794-A-1, DOE-061794-B-8, DOE-070194-A-15, DOE-070194-A-42, DOE-070194-A-5, DOE-072294-A-1, DOE-072694-B-19, DOE-082294-B-28, DOE-093094-A-4, DOE-120294-B-10, DOE-120294-B-11, DOE-120294-B-5, DOE-120294-B-6, DOE-120294-B-8, DOE-120294-B-9, DOE-120894-E-25, DOE-120894-E-87, DOE-033195-A-1, DOE-101194-B-2,

DOE-101194-B-2, IND-071395-A-1, NARA-070794-A-5, NARA-082294-A-140, NARA-082294-A-167, NARA-082294-A-58, NARA-082294-A-59, NARA-020895-A-1, UTAH-111394-A-2

**Psychological Effects**

DOD-042994-A-17, DOD-062194-B-3, DOD-062194-B-4, DOD-062194-B-5, DOD-062194-B-6, DOD-072794-B-11, DOD-072794-B-2, DOD-080694-A-6, DOD-091494-A-6, DOD-092894-A-1, DOD-120694-A-10, DOD-120694-A-15, DOD-121494-A-2, DOD-121994-C-1, DOE-051094-A-230, DOE-051094-A-234, DOE-051094-A-254, DOE-082294-B-1, DOE-082294-B-18, DOE-090694-A-6, DOE-093094-A-1, DOE-021095-B-14, DOE-060295-C-1

**Public Access**

DOE-051094-A-176, DOE-051094-A-214, DOE-051094-A-255, DOE-051094-A-378, DOE-051094-A-39, DOE-051094-A-42, DOE-082294-B-10, DOE-120894-E-29, DOE-120894-E-30, DOE-120894-E-32, DOE-120894-E-35, DOE-120894-E-47, DOE-120894-E-58, DOE-120894-E-59, DOE-120894-E-60, DOE-120894-E-61, UCLA-090194-A-6

**Public Health Service (PHS)**

DOE-051094-A-236, DOE-051094-A-238, DOE-051094-A-241, DOE-051094-A-249, DOE-051094-A-571, DOE-051094-A-572, DOE-051094-A-86, DOE-051094-A-93, DOE-051094-A-99, DOE-060794-B-7, DOE-061794-B-20, DOE-072694-B-70, DOE-082294-B-27, DOE-082294-B-29, DOE-093094-A-18, DOE-120894-E-70, HHS-071394-A-2, IND-011195-A-1

**Public Health Service (PHS): Hospitals**

DOE-051094-A-237, WASH-112294-A-3

**Public Information**

DOD-071194-A-1, DOD-071194-A-2

**Public Relations**

DOE-041295-A-6, UCLA-090194-A-2

**Race**

DOD-072794-B-16

**Radiation--Ionizing**

DOD-042994-A-11, DOD-062194-A-2, DOD-062194-B-1, DOD-062194-B-11, DOD-062194-B-14, DOD-062194-B-3, DOD-062194-B-4, DOD-062194-B-5, DOD-062194-B-6, DOD-062194-B-7, DOD-062194-B-9, DOD-072294-C-3, DOD-072294-C-4, DOD-072794-B-1, DOD-072794-B-11, DOD-072794-B-12, DOD-072794-B-14, DOD-072794-B-17, DOD-072794-B-18, DOD-072794-B-5, DOD-072794-B-9, DOD-072794-C-29, DOD-080594-A-1, DOD-080694-A-1, DOD-080694-A-6, DOD-090994-C-3, DOD-102894-A-2, DOD-120694-A-19, DOD-121294-C-1, DOE-051094-A-100, DOE-051094-A-106, DOE-051094-A-110, DOE-051094-A-111, DOE-051094-A-112, DOE-051094-A-113, DOE-051094-A-116, DOE-051094-A-124, DOE-051094-A-125, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-128, DOE-051094-A-129, DOE-051094-A-132, DOE-051094-A-133, DOE-051094-A-150, DOE-051094-A-151, DOE-051094-A-152, DOE-051094-A-153, DOE-051094-A-169, DOE-051094-A-176, DOE-051094-A-177, DOE-051094-A-180, DOE-051094-A-181, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-184, DOE-051094-A-185, DOE-051094-A-186, DOE-051094-A-191, DOE-051094-A-196, DOE-051094-A-200, DOE-051094-A-206, DOE-051094-A-207, DOE-051094-A-209, DOE-051094-A-210, DOE-051094-A-211, DOE-051094-A-212, DOE-051094-A-213, DOE-051094-A-214, DOE-051094-A-217, DOE-051094-A-218, DOE-051094-A-219, DOE-051094-A-22, DOE-051094-A-220, DOE-051094-A-221, DOE-051094-A-222, DOE-051094-A-223, DOE-051094-A-224, DOE-051094-A-225, DOE-051094-A-227, DOE-051094-A-23, DOE-051094-A-233, DOE-051094-A-24, DOE-051094-A-248, DOE-051094-A-249, DOE-051094-A-250, DOE-051094-A-251, DOE-051094-A-252, DOE-051094-A-254, DOE-051094-A-27, DOE-051094-A-270, DOE-051094-A-303, DOE-051094-A-31, DOE-051094-A-312, DOE-051094-A-32, DOE-051094-A-322, DOE-051094-A-34, DOE-051094-A-360, DOE-051094-A-361, DOE-051094-A-362, DOE-051094-A-364, DOE-051094-A-365, DOE-051094-A-366, DOE-051094-A-367, DOE-051094-A-368, DOE-051094-A-369, DOE-051094-A-37, DOE-051094-A-370, DOE-051094-A-371, DOE-051094-A-375, DOE-051094-A-38, DOE-051094-A-380, DOE-051094-A-381, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-386, DOE-051094-A-387, DOE-051094-A-39, DOE-051094-A-398, DOE-051094-A-399, DOE-051094-A-400, DOE-051094-A-401, DOE-051094-A-402, DOE-051094-A-403, DOE-051094-A-404, DOE-051094-A-405, DOE-051094-A-407, DOE-051094-A-408, DOE-051094-A-409, DOE-051094-A-41, DOE-051094-A-410, DOE-051094-A-411, DOE-051094-A-42, DOE-051094-A-424, DOE-051094-A-425, DOE-051094-A-426, DOE-051094-A-427, DOE-051094-A-43, DOE-051094-A-437, DOE-051094-A-439, DOE-051094-A-44, DOE-051094-A-444, DOE-051094-A-447, DOE-051094-A-46, DOE-051094-A-469,

DOE-051094-A-47, DOE-051094-A-471, DOE-051094-A-472, DOE-051094-A-474, DOE-051094-A-477, DOE-051094-A-482, DOE-051094-A-483, DOE-051094-A-486, DOE-051094-A-487, DOE-051094-A-50, DOE-051094-A-507, DOE-051094-A-51, DOE-051094-A-519, DOE-051094-A-52, DOE-051094-A-520, DOE-051094-A-521, DOE-051094-A-53, DOE-051094-A-535, DOE-051094-A-538, DOE-051094-A-54, DOE-051094-A-547, DOE-051094-A-548, DOE-051094-A-55, DOE-051094-A-56, DOE-051094-A-568, DOE-051094-A-569, DOE-051094-A-570, DOE-051094-A-571, DOE-051094-A-572, DOE-051094-A-573, DOE-051094-A-576, DOE-051094-A-577, DOE-051094-A-586, DOE-051094-A-587, DOE-051094-A-589, DOE-051094-A-59, DOE-051094-A-594, DOE-051094-A-599, DOE-051094-A-61, DOE-051094-A-64, DOE-051094-A-65, DOE-051094-A-66, DOE-051094-A-67, DOE-051094-A-68, DOE-051094-A-69, DOE-051094-A-70, DOE-051094-A-71, DOE-051094-A-72, DOE-051094-A-73, DOE-051094-A-75, DOE-051094-A-76, DOE-051094-A-77, DOE-051094-A-78, DOE-051094-A-79, DOE-051094-A-81, DOE-051094-A-83, DOE-051094-A-84, DOE-051094-A-85, DOE-051094-A-86, DOE-051094-A-87, DOE-051094-A-90, DOE-051094-A-91, DOE-060794-B-1, DOE-060794-B-10, DOE-060794-B-11, DOE-060794-B-12, DOE-060794-B-14, DOE-060794-B-15, DOE-060794-B-16, DOE-060794-B-17, DOE-060794-B-18, DOE-060794-B-19, DOE-060794-B-2, DOE-060794-B-20, DOE-060794-B-21, DOE-060794-B-22, DOE-060794-B-23, DOE-060794-B-25, DOE-060794-B-3, DOE-060794-B-31, DOE-060794-B-32, DOE-060794-B-33, DOE-060794-B-34, DOE-060794-B-35, DOE-060794-B-4, DOE-060794-B-43, DOE-060794-B-5, DOE-060794-B-6, DOE-060794-B-8, DOE-060794-B-9, DOE-061794-A-1, DOE-061794-B-10, DOE-061794-B-11, DOE-061794-B-12, DOE-061794-B-13, DOE-061794-B-14, DOE-061794-B-15, DOE-061794-B-19, DOE-061794-B-2, DOE-061794-B-20, DOE-061794-B-3, DOE-061794-B-4, DOE-061794-B-6, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, DOE-070194-A-13, DOE-070194-A-30, DOE-070194-A-34, DOE-070194-A-36, DOE-070194-A-38, DOE-070194-A-39, DOE-070794-C-10, DOE-070794-C-11, DOE-070794-C-15, DOE-070794-C-15, DOE-070794-C-18, DOE-070794-C-19, DOE-071494-A-2, DOE-071494-A-3, DOE-072294-A-14, DOE-072294-A-5, DOE-082294-B-1, DOE-082294-B-11, DOE-082294-B-14, DOE-082294-B-18, DOE-082294-B-2, DOE-082294-B-20, DOE-082294-B-21, DOE-082294-B-28, DOE-082294-B-29, DOE-082294-B-31, DOE-082294-B-32, DOE-082294-B-33, DOE-082294-B-34, DOE-082294-B-35, DOE-082294-B-36, DOE-082294-B-40, DOE-082294-B-41, DOE-082294-B-43, DOE-082294-B-44, DOE-082294-B-45, DOE-082294-B-46, DOE-082294-B-47, DOE-082294-B-49, DOE-082294-B-50, DOE-082294-B-51, DOE-082294-B-52, DOE-082294-B-53, DOE-082294-B-54, DOE-082294-B-55, DOE-082294-B-56, DOE-082294-B-60, DOE-082294-B-61, DOE-082294-B-62, DOE-082294-B-66, DOE-082294-B-67, DOE-082294-B-68, DOE-090694-A-6, DOE-090694-A-8, DOE-092694-A-2, DOE-093094-A-16, DOE-093094-A-23, DOE-093094-A-27, DOE-101194-B-1, DOE-121294-B-4, DOE-122294-A-3, DOE-020795-D-1, DOE-021095-B-12, DOE-021095-B-4, DOE-022195-A-3, DOE-030395-A-1, DOE-060295-C-1, DOE-101194-B-2, DOE-101194-B-2, IND-071395-A-1, NARA-070794-A-9, NARA-082294-A-106, NARA-082294-A-107, NARA-082294-A-108, NARA-082294-A-109, NARA-082294-A-110, NARA-082294-A-112, NARA-082294-A-113, NARA-082294-A-12, NARA-082294-A-122, NARA-082294-A-123, NARA-082294-A-125, NARA-082294-A-130, NARA-082294-A-132, NARA-082294-A-136, NARA-082294-A-138, NARA-082294-A-140, NARA-082294-A-141, NARA-082294-A-15, NARA-082294-A-169, NARA-082294-A-18, NARA-082294-A-19, NARA-082294-A-29, NARA-082294-A-30, NARA-082294-A-37, NARA-082294-A-45, NARA-082294-A-46, NARA-082294-A-65, TEX-101294-A-2, TEX-101294-A-3, UCLA-111094-A-35, UCLA-111094-A-10, UCLA-111094-A-12, UCLA-111094-A-28, UCLA-090194-A-2, UCLA-090194-A-7, VCU-012595-A-14, VCU-012595-A-9

**Radiation--Non-ionizing**

DOD-062194-A-2, DOD-091494-A-3, DOE-051094-A-80, DOE-070794-C-10, DOE-070794-C-15, DOE-070794-C-15, DOE-070794-C-18, DOE-082294-B-1, DOE-082294-B-11, DOE-082294-B-14, DOE-082294-B-18, DOE-082294-B-2, DOE-082294-B-20, DOE-082294-B-21, DOE-082294-B-28, DOE-082294-B-31, DOE-082294-B-32, DOE-082294-B-46, DOE-122294-A-3, NARA-082294-A-18, NARA-082294-A-19, NARA-082294-A-29, NARA-082294-A-65

**Radiation Injury**

DOD-062194-A-2, DOD-062494-A-20, DOD-072794-B-17, DOD-072794-B-2, DOD-072794-B-21, DOD-072794-B-3, DOD-072794-B-7, DOD-091494-A-1, DOD-100694-A-2, DOD-122894-A-1, DOE-051094-A-135, DOE-051094-A-157, DOE-051094-A-176, DOE-051094-A-181, DOE-051094-A-184, DOE-051094-A-186, DOE-051094-A-190, DOE-051094-A-200, DOE-051094-A-210, DOE-051094-A-213, DOE-051094-A-22, DOE-051094-A-221, DOE-051094-A-227, DOE-051094-A-23, DOE-051094-A-230, DOE-051094-A-249, DOE-051094-A-250, DOE-051094-A-252, DOE-051094-A-254, DOE-051094-A-27, DOE-051094-A-270, DOE-051094-A-297, DOE-051094-A-298, DOE-051094-A-304, DOE-051094-A-31, DOE-051094-A-32,

DOE-051094-A-34, DOE-051094-A-351, DOE-051094-A-39, DOE-051094-A-399, DOE-051094-A-400, DOE-051094-A-406, DOE-051094-A-407, DOE-051094-A-422, DOE-051094-A-433, DOE-051094-A-44, DOE-051094-A-448, DOE-051094-A-456, DOE-051094-A-47, DOE-051094-A-48, DOE-051094-A-529, DOE-051094-A-53, DOE-051094-A-535, DOE-051094-A-539, DOE-051094-A-553, DOE-051094-A-585, DOE-051094-A-589, DOE-051094-A-69, DOE-051094-A-70, DOE-051094-A-72, DOE-051094-A-73, DOE-051094-A-75, DOE-051094-A-77, DOE-051094-A-79, DOE-051094-A-81, DOE-051094-A-82, DOE-051094-A-83, DOE-051094-A-84, DOE-051094-A-85, DOE-051094-A-86, DOE-051094-A-87, DOE-060794-B-10, DOE-061794-B-2, DOE-061794-B-3, DOE-061794-B-4, DOE-061794-B-6, DOE-070194-A-12, DOE-070194-A-15, DOE-070194-A-2, DOE-071494-A-10, DOE-071494-A-4, DOE-071494-A-7, DOE-082294-B-18, DOE-082294-B-27, DOE-082294-B-28, DOE-082294-B-31, DOE-082294-B-32, DOE-082294-B-41, DOE-082294-B-42, DOE-082294-B-43, DOE-082294-B-44, DOE-082294-B-45, DOE-092694-A-1, DOE-093094-A-16, DOE-093094-A-17, DOE-093094-A-20, DOE-093094-A-24, DOE-093094-A-31, DOE-120894-E-87, DOE-030395-A-1, DOE-040695-A-1, DOE-060295-C-1, NARA-070794-A-2, NARA-070794-A-3, NARA-082294-A-49, NARA-082294-A-52, UCLA-090194-A-2, UCLA-090194-A-7, VCU-012595-A-1, VCU-012595-A-2, VCU-012595-A-4, VCU-012595-A-9

**Radiological Defense**

DOD-021795-A-3

**Radiological Society of North America**

NARA-082294-A-114

**Radiological Warfare**

CORP-051894-A-1, CORP-051894-A-3, CORP-010395-A-1, CORP-010395-A-2, CORP-010395-A-3, CORP-010395-A-4, CORP-010395-A-5, CORP-010395-A-6, DOD-062494-A-1, DOD-062494-A-10, DOD-062494-A-11, DOD-062494-A-12, DOD-062494-A-13, DOD-062494-A-14, DOD-062494-A-15, DOD-062494-A-16, DOD-062494-A-17, DOD-062494-A-2, DOD-062494-A-3, DOD-062494-A-4, DOD-062494-A-5, DOD-062494-A-6, DOD-062494-A-7, DOD-062494-A-8, DOD-062494-A-9, DOD-071194-A-1, DOD-071194-A-2, DOD-071194-A-3, DOD-071194-A-4, DOD-071194-A-5, DOD-071194-A-6, DOD-071194-A-7, DOD-090994-D-1, DOD-100694-A-2, DOD-113094-A-1, DOD-120694-A-5, DOD-121494-A-1, DOD-122294-D-1, DOD-122294-D-2, DOD-122394-A-1, DOD-122894-A-1, DOD-010395-C-1, DOD-021095-A-1, DOD-021095-A-10, DOD-021095-A-11, DOD-021095-A-12, DOD-021095-A-13, DOD-021095-A-14, DOD-021095-A-15, DOD-021095-A-16, DOD-021095-A-17, DOD-021095-A-18, DOD-021095-A-19, DOD-021095-A-2, DOD-021095-A-20, DOD-021095-A-21, DOD-021095-A-22, DOD-021095-A-23, DOD-021095-A-24, DOD-021095-A-25, DOD-021095-A-3, DOD-021095-A-4, DOD-021095-A-5, DOD-021095-A-6, DOD-021095-A-7, DOD-021095-A-8, DOD-021095-A-9, DOD-021795-A-1, DOD-021795-A-2, DOD-030895-F-1, DOD-030895-F-2, DOD-030895-F-3, DOD-030895-F-4, DOD-030895-F-5, DOD-032895-A-1, DOD-032895-A-2, DOE-051094-A-1, DOE-051094-A-118, DOE-051094-A-119, DOE-051094-A-515, DOE-051094-A-520, DOE-051094-A-521, DOE-051094-A-95, DOE-072694-B-1, DOE-072694-B-10, DOE-072694-B-11, DOE-072694-B-12, DOE-072694-B-13, DOE-072694-B-14, DOE-072694-B-15, DOE-072694-B-16, DOE-072694-B-17, DOE-072694-B-18, DOE-072694-B-19, DOE-072694-B-2, DOE-072694-B-20, DOE-072694-B-21, DOE-072694-B-22, DOE-072694-B-23, DOE-072694-B-24, DOE-072694-B-25, DOE-072694-B-26, DOE-072694-B-27, DOE-072694-B-28, DOE-072694-B-29, DOE-072694-B-3, DOE-072694-B-30, DOE-072694-B-31, DOE-072694-B-32, DOE-072694-B-33, DOE-072694-B-34, DOE-072694-B-35, DOE-072694-B-36, DOE-072694-B-37, DOE-072694-B-38, DOE-072694-B-39, DOE-072694-B-4, DOE-072694-B-40, DOE-072694-B-41, DOE-072694-B-42, DOE-072694-B-43, DOE-072694-B-44, DOE-072694-B-45, DOE-072694-B-46, DOE-072694-B-47, DOE-072694-B-48, DOE-072694-B-49, DOE-072694-B-5, DOE-072694-B-50, DOE-072694-B-51, DOE-072694-B-52, DOE-072694-B-53, DOE-072694-B-55, DOE-072694-B-56, DOE-072694-B-57, DOE-072694-B-58, DOE-072694-B-59, DOE-072694-B-6, DOE-072694-B-60, DOE-072694-B-61, DOE-072694-B-62, DOE-072694-B-63, DOE-072694-B-64, DOE-072694-B-68, DOE-072694-B-7, DOE-072694-B-8, DOE-072694-B-9, DOE-082294-B-1, DOE-082294-B-11, DOE-082294-B-13, DOE-082294-B-14, DOE-082294-B-15, DOE-082294-B-18, DOE-082294-B-19, DOE-082294-B-2, DOE-082294-B-20, DOE-090694-A-3, DOE-092694-B-1, DOE-092694-B-2, DOE-092694-B-3, DOE-092694-B-4, DOE-092694-B-5, DOE-092694-B-6, DOE-120994-A-24, DOE-120994-A-25, DOE-120994-A-26, DOE-012595-B-1, DOE-012595-B-2, DOE-012595-B-3, DOE-012595-B-4, DOE-012595-B-5, DOE-012595-B-6, DOE-030195-B-1, DOE-030195-B-2, DOE-032995-A-1, DOE-032995-A-2, DOE-041295-A-1, DOE-041295-A-2, DOE-041295-A-3, DOE-041295-A-4, DOE-041295-A-5, DOE-041295-A-6, NARA-082294-A-130, NARA-082294-A-32, NARA-112294-A-1, NARA-112294-A-10, NARA-112294-A-2, NARA-112294-A-3, NARA-112294-A-4, NARA-112294-A-5, NARA-112294-A-6, NARA-112294-A-7,

NARA-112294-A-8, NARA-112294-A-9, DOD-083094-A-1, DOD-083094-A-2, DOD-090994-C-1, CON-042894-A-4

**Radium Loan**

DOE-051094-A-378, DOE-120894-E-15

**RaLa**

DOE-020795-D-5, DOE-040695-A-1, DOE-040695-A-10, DOE-040695-A-11, DOE-040695-A-12, DOE-040695-A-13, DOE-040695-A-14, DOE-040695-A-2, DOE-040695-A-3, DOE-040695-A-4, DOE-040695-A-5, DOE-040695-A-6, DOE-040695-A-7, DOE-040695-A-8, DOE-040695-A-9

**Reactors**

DOE-051094-A-351, DOE-051094-A-352, DOE-051094-A-358, DOE-070794-A-1, DOE-082294-B-26, DOE-101194-B-1, DOE-030195-B-2, DOE-032995-A-2, NARA-082294-A-110, NARA-082294-A-118

**Records**

DOD-042994-A-12, DOE-051094-A-216, DOE-051094-A-267, DOE-051094-A-269, DOE-051094-A-278, DOE-051094-A-301, DOE-051094-A-311, DOE-051094-A-337, DOE-051094-A-390, DOE-051094-A-42, DOE-051094-A-429, DOE-051094-A-430, DOE-051094-A-431, DOE-051094-A-436, DOE-051094-A-437, DOE-051094-A-442, DOE-051094-A-444, DOE-051094-A-453, DOE-051094-A-454, DOE-051094-A-467, DOE-051094-A-596, DOE-051094-A-597, DOE-051094-A-611, DOE-060794-B-36, DOE-082294-B-38, DOE-082294-B-39, DOE-082294-B-58, DOE-082294-B-60, DOE-101194-A-10, DOE-113094-B-1, MGH-030395-A-1, NARA-082294-A-126, NARA-082294-A-127, NARA-082294-A-75, UCLA-111094-A-6, UCLA-111094-A-7

**Recruitment**

DOD-120694-A-7, DOE-051094-A-100

**Releases of Radioactivity**

CON-042894-A-1, CON-042894-A-3, CORP-010395-A-1, CORP-013095-A-1, DOD-042994-A-3, DOD-042994-A-4, DOD-062194-B-11, DOD-062494-A-1, DOD-062494-A-10, DOD-062494-A-11, DOD-062494-A-12, DOD-062494-A-13, DOD-062494-A-14, DOD-062494-A-15, DOD-062494-A-16, DOD-062494-A-17, DOD-062494-A-2, DOD-062494-A-3, DOD-062494-A-4, DOD-062494-A-5, DOD-062494-A-6, DOD-062494-A-7, DOD-062494-A-8, DOD-062494-A-9, DOD-071194-A-1, DOD-071194-A-2, DOD-071194-A-5, DOD-092794-A-1, DOD-100694-A-1, DOD-100694-A-2, DOD-010395-C-2, DOD-010395-C-3, DOE-050394-A-10, DOE-050394-A-11, DOE-050394-A-3, DOE-050394-A-4, DOE-050394-A-5, DOE-050394-A-6, DOE-050394-A-7, DOE-050394-A-8, DOE-050394-A-9, DOE-050694-B-1, DOE-050694-B-2, DOE-050694-B-3, DOE-051094-A-1, DOE-051094-A-110, DOE-051094-A-111, DOE-051094-A-112, DOE-051094-A-113, DOE-051094-A-116, DOE-051094-A-118, DOE-051094-A-168, DOE-051094-A-186, DOE-051094-A-204, DOE-051094-A-205, DOE-051094-A-206, DOE-051094-A-212, DOE-051094-A-213, DOE-051094-A-214, DOE-051094-A-22, DOE-051094-A-23, DOE-051094-A-24, DOE-051094-A-248, DOE-051094-A-249, DOE-051094-A-250, DOE-051094-A-254, DOE-051094-A-31, DOE-051094-A-32, DOE-051094-A-322, DOE-051094-A-39, DOE-051094-A-392, DOE-051094-A-41, DOE-051094-A-42, DOE-051094-A-43, DOE-051094-A-433, DOE-051094-A-458, DOE-051094-A-463, DOE-051094-A-464, DOE-051094-A-465, DOE-051094-A-466, DOE-051094-A-47, DOE-051094-A-474, DOE-051094-A-476, DOE-051094-A-477, DOE-051094-A-49, DOE-051094-A-519, DOE-051094-A-520, DOE-051094-A-576, DOE-051094-A-577, DOE-051094-A-599, DOE-051094-A-78, DOE-051094-A-80, DOE-051094-A-81, DOE-051094-A-87, DOE-060794-B-37, DOE-060794-B-38, DOE-060794-B-39, DOE-060794-B-41, DOE-060794-B-43, DOE-061794-A-2, DOE-061794-B-17, DOE-070794-A-1, DOE-070794-A-2, DOE-071494-A-10, DOE-072694-B-1, DOE-072694-B-2, DOE-072694-B-3, DOE-072694-B-35, DOE-072694-B-4, DOE-072694-B-5, DOE-072694-B-6, DOE-072694-B-7, DOE-072694-B-8, DOE-082294-B-11, DOE-082294-B-43, DOE-090694-A-6, DOE-093094-A-15, DOE-093094-A-18, DOE-093094-A-24, DOE-093094-A-27, DOE-093094-A-29, DOE-093094-A-34, DOE-101194-B-1, DOE-101194-B-3, DOE-120894-E-92, DOE-121494-E-1, DOE-121494-E-2, DOE-121594-A-1, DOE-122194-B-1, DOE-022195-D-1, DOE-022195-D-2, DOE-031095-B-1, DOE-033095-A-1, DOE-040695-A-1, DOE-041295-A-3, DOE-041295-A-4, DOE-041295-A-5, DOE-041295-A-6, DOE-101194-B-2, DOE-101194-B-2, DOE-120594-C-1, DOE-120594-C-1, IND-120294-A-1, IND-120294-A-2, IND-120294-A-3, IND-120294-A-4, IND-121794-A-1, NARA-082294-A-50, CON-042894-A-2

**Research--Nontherapeutic**

CIA-020795-A-1, DOD-062194-A-2, DOD-072294-C-1, DOD-072294-C-3, DOD-072294-C-4, DOD-080694-A-1, DOD-091694-A-1, DOD-102894-A-2, DOD-102894-A-4, DOD-102894-A-5, DOD-120694-A-19, DOD-120694-A-2, DOD-120694-A-34, DOD-120694-A-39, DOD-120694-A-43, DOD-120694-A-5, DOD-120694-A-51, DOD-120694-A-6, DOE-051094-A-411, DOE-070194-A-21, DOE-070194-A-22, DOE-070194-A-23,

DOE-070194-A-29, DOE-070194-A-38, DOE-070194-A-40, DOE-070194-A-42, DOE-070794-C-27, DOE-072694-B-71, DOE-072694-B-72, DOE-082294-B-56, DOE-092694-A-2, DOE-101194-A-10, DOE-101194-B-1, DOE-101194-B-4, DOE-120294-B-1, DOE-120294-B-10, DOE-120294-B-11, DOE-120294-B-2, DOE-120294-B-6, DOE-120294-B-7, DOE-120294-B-8, DOE-120294-B-9, DOE-120894-E-19, DOE-120894-E-22, DOE-120894-E-26, DOE-120894-E-3, DOE-120894-E-37, DOE-120894-E-40, DOE-120894-E-42, DOE-120894-E-5, DOE-120894-E-54, DOE-120894-E-8, DOE-120894-E-84, DOE-120894-E-85, DOE-120894-E-86, DOE-120894-E-92, DOE-120994-A-1, DOE-120994-A-14, DOE-120994-A-18, DOE-120994-A-4, DOE-121294-B-9, DOE-021095-B-10, DOE-021095-B-11, DOE-021095-B-14, DOE-021095-B-6, DOE-021095-B-8, DOE-021095-B-9, DOE-022195-A-2, DOE-022195-A-3, DOE-022195-A-7, DOE-033195-A-1, DOE-041295-A-2, DOE-050895-A-1, DOE-050895-D-1, HHS-071394-A-2, DOD-040895-A-1, IND-071395-A-13, MGH-030395-A-1, NARA-070794-A-9, NARA-082294-A-106, NARA-082294-A-109, NARA-082294-A-136, NARA-082294-A-138, NARA-082294-A-139, NARA-082294-A-141, NARA-082294-A-144, NARA-082294-A-147, NARA-082294-A-150, NARA-082294-A-47, NARA-082294-A-50, NARA-082294-A-51, NARA-082294-A-58, UCLA-111094-A-13, UCLA-111094-A-14, UCLA-111094-A-22, UCLA-111094-A-33, UCLA-111094-A-35, UCLA-111094-A-36, UCLA-111094-A-11, UCLA-111094-A-2, UCLA-111094-A-3, UCLA-111094-A-5, UCLA-111094-A-28, UCLA-090194-A-7, VCU-012595-A-11, VCU-012595-A-2, VCU-012595-A-3, VCU-012595-A-4

**Research–Therapeutic**

DOD-082694-A-1, DOD-120694-A-2, DOD-120694-A-34, DOD-120694-A-5, DOD-120694-A-50, DOD-120694-A-6, DOE-060794-B-21, DOE-060794-B-35, DOE-070194-A-24, DOE-070194-A-25, DOE-070194-A-26, DOE-070194-A-27, DOE-070194-A-30, DOE-070194-A-40, DOE-070794-C-21, DOE-070794-C-23, DOE-072294-A-16, DOE-072294-A-4, DOE-072694-B-71, DOE-072694-B-72, DOE-072694-B-73, DOE-082294-B-46, DOE-082294-B-47, DOE-082294-B-48, DOE-082294-B-49, DOE-082294-B-56, DOE-092694-A-2, DOE-101194-A-11, DOE-101194-A-13, DOE-101194-A-3, DOE-101194-A-4, DOE-113094-C-2, DOE-120894-E-84, DOE-120894-E-92, DOE-120994-A-17, DOE-121294-B-3, DOE-121294-B-4, DOE-121294-B-9, DOE-122294-A-3, DOE-021095-B-7, IND-071395-A-6, NARA-082294-A-106, NARA-082294-A-107, NARA-082294-A-136, NARA-082294-A-138, NARA-082294-A-144, TEX-101294-A-1, UCLA-111094-A-13, UCLA-111094-A-14, UCLA-111094-A-22, UCLA-111094-A-33, UCLA-111094-A-35, UCLA-111094-A-36, UCLA-111094-A-10, UCLA-111094-A-12, UCLA-090194-A-4, VCU-012595-A-11, VCU-012595-A-2, VCU-012595-A-4

**Research and Development Board (DOD/RDB)**

CORP-010395-A-4, DOD-042994-A-15, DOD-071194-A-2, DOD-071194-A-6, DOD-071194-A-7, DOD-072294-B-1, DOD-121494-A-1, DOD-122394-A-1, DOD-010395-C-1, DOD-021795-A-1, DOD-021795-A-2, DOD-021795-A-3, DOE-093094-A-11, NARA-101294-A-2

**Research Ethics**

DOD-120694-A-2, DOE-051094-A-178, DOE-051094-A-181, DOE-051094-A-2, DOE-051094-A-231, DOE-051094-A-45, DOE-051094-A-92, DOE-060794-B-35, DOE-072694-A-1, DOE-120894-E-83, DOE-120994-A-27, HHS-072894-A-1, HHS-090794-A-2, NARA-082294-A-17, UCLA-111094-A-24

**Researchers**

BAY-101794-A-1, BAY-101794-A-2, BAY-101794-A-3, DOD-062194-B-3, DOD-072294-C-4, DOD-072794-B-19, DOD-080694-A-1, DOD-082694-A-1, DOD-090994-B-1, DOD-120694-A-16, DOD-120694-A-2, DOD-120694-A-20, DOD-120694-A-21, DOD-120694-A-25, DOD-120694-A-26, DOD-120694-A-28, DOD-120694-A-30, DOD-120694-A-31, DOD-120694-A-37, DOD-120694-A-39, DOD-120694-A-40, DOD-120694-A-42, DOD-120694-A-43, DOD-120694-A-44, DOD-120694-A-45, DOD-120694-A-47, DOD-120694-A-48, DOD-120694-A-50, DOD-120694-A-51, DOD-121494-A-2, DOE-051094-A-154, DOE-051094-A-155, DOE-051094-A-156, DOE-051094-A-207, DOE-051094-A-208, DOE-051094-A-215, DOE-051094-A-256, DOE-051094-A-257, DOE-051094-A-258, DOE-051094-A-259, DOE-051094-A-261, DOE-051094-A-262, DOE-051094-A-263, DOE-051094-A-264, DOE-051094-A-265, DOE-051094-A-273, DOE-051094-A-274, DOE-051094-A-277, DOE-051094-A-284, DOE-051094-A-285, DOE-051094-A-287, DOE-051094-A-295, DOE-051094-A-300, DOE-051094-A-307, DOE-051094-A-318, DOE-051094-A-320, DOE-051094-A-323, DOE-051094-A-334, DOE-051094-A-337, DOE-051094-A-339, DOE-051094-A-344, DOE-051094-A-359, DOE-051094-A-364, DOE-051094-A-378, DOE-051094-A-379, DOE-051094-A-380, DOE-051094-A-390, DOE-051094-A-411, DOE-051094-A-416, DOE-051094-A-421, DOE-051094-A-427, DOE-051094-A-430, DOE-051094-A-431, DOE-051094-A-496, DOE-051094-A-548, DOE-051094-A-555, DOE-051094-A-563, DOE-051094-A-595, DOE-051094-A-94, DOE-060794-B-34, DOE-070794-C-1, DOE-070794-C-19, DOE-070794-C-20, DOE-070794-C-4, DOE-082294-B-31, DOE-082294-B-34, DOE-082294-B-46, DOE-090694-A-3, DOE-120294-B-10, DOE-120294-B-12, DOE-120294-B-15,

DOE-120294-B-16, DOE-120294-B-7, DOE-120294-B-8, DOE-120894-E-13, DOE-120894-E-16, DOE-120894-E-17, DOE-120894-E-22, DOE-120894-E-28, DOE-120894-E-40, DOE-120894-E-43, DOE-120894-E-45, DOE-120894-E-49, DOE-120894-E-52, DOE-120894-E-62, DOE-120894-E-68, DOE-120894-E-71, DOE-120894-E-72, DOE-120894-E-8, DOE-120894-E-84, DOE-120894-E-85, DOE-120894-E-86, DOE-120894-E-87, DOE-120894-E-88, DOE-120894-E-90, DOE-120994-A-10, DOE-120994-A-11, DOE-120994-A-14, DOE-120994-A-2, DOE-120994-A-27, DOE-120994-A-4, DOE-120994-A-6, DOE-120994-A-7, DOE-120994-A-8, DOE-120994-A-9, DOE-021095-B-10, DOE-021095-B-13, DOE-021095-B-4, DOE-021095-B-5, DOE-021095-B-6, DOE-021095-B-7, DOE-022195-A-1, DOE-022195-A-2, DOE-022195-A-3, HHS-071394-A-1, HHS-071394-A-2, NARA-082294-A-100, NARA-082294-A-101, NARA-082294-A-104, NARA-082294-A-105, NARA-082294-A-106, NARA-082294-A-11, NARA-082294-A-124, NARA-082294-A-134, NARA-082294-A-135, NARA-082294-A-136, NARA-082294-A-138, NARA-082294-A-139, NARA-082294-A-143, NARA-082294-A-144, NARA-082294-A-145, NARA-082294-A-147, NARA-082294-A-148, NARA-082294-A-149, NARA-082294-A-150, NARA-082294-A-151, NARA-082294-A-152, NARA-082294-A-153, NARA-082294-A-160, NARA-082294-A-162, NARA-082294-A-163, NARA-082294-A-167, NARA-082294-A-169, NARA-082294-A-171, NARA-082294-A-18, NARA-082294-A-19, NARA-082294-A-23, NARA-082294-A-28, NARA-082294-A-29, NARA-082294-A-30, NARA-082294-A-33, NARA-082294-A-46, NARA-082294-A-50, NARA-082294-A-52, NARA-082294-A-54, NARA-082294-A-57, NARA-082294-A-60, NARA-082294-A-61, NARA-082294-A-62, NARA-082294-A-65, NARA-082294-A-67, NARA-082294-A-69, NARA-082294-A-71, NARA-082294-A-73, NARA-082294-A-77, NARA-082294-A-81, NARA-082294-A-82, NARA-082294-A-83, NARA-082294-A-84, NARA-082294-A-86, NARA-082294-A-87, NARA-082294-A-88, NARA-082294-A-89, NARA-082294-A-91, NARA-082294-A-92, NARA-082294-A-93, NARA-082294-A-94, NARA-082294-A-96, NARA-082294-A-99, TEX-101294-A-1, TEX-101294-A-3, UCLA-111094-A-24, UCLA-111094-A-25, UCLA-090194-A-1

**Roller Coaster**

DOD-010395-C-2, DOD-010395-C-3

**Rowland, Robert**

DOE-051094-A-339, DOE-051094-A-37, DOE-051094-A-608

**Ruthenium**

DOE-113094-B-8

**Saenger, Eugene**

ACHRE-021095-B-1, ACHRE-021095-B-2, DOD-042994-A-1, DOD-042994-A-11, DOD-042994-A-13, DOD-042994-A-14, DOD-042994-A-16, DOD-042994-A-18, DOD-042994-A-19, DOD-042994-A-20, DOE-051094-A-378, DOE-051094-A-58, IND-091594-A-1, UCIN-103194-A-1

**Savannah River**

DOE-060794-B-42, DOE-060794-B-43

**School of Aviation Medicine (DOD/USAF/SAM)**

DOD-062194-B-14, DOD-062194-B-15, DOD-072794-B-1, DOD-072794-B-10, DOD-072794-B-11, DOD-072794-B-12, DOD-072794-B-13, DOD-072794-B-14, DOD-072794-B-18, DOD-072794-B-19, DOD-072794-B-2, DOD-072794-B-20, DOD-072794-B-21, DOD-072794-B-3, DOD-072794-B-7, DOD-072794-B-9, DOD-080594-A-1, DOD-090994-B-1, DOD-102594-A-1, DOD-102894-A-2, DOD-102894-A-3, DOD-102894-A-4, DOD-102894-A-5, DOD-120694-A-21, DOD-120694-A-30, DOD-120694-A-6, DOD-120694-A-7, DOD-121294-C-1, DOD-121994-C-1, NARA-082294-A-54

**Scientific Data**

BAY-101794-A-1, BAY-101794-A-2, BAY-101794-A-3, DOD-062194-B-14, DOD-120694-A-10, DOD-120694-A-16, DOD-120694-A-17, DOD-120694-A-18, DOD-120694-A-19, DOD-120694-A-24, DOD-120694-A-25, DOD-120694-A-27, DOD-120694-A-29, DOD-120694-A-30, DOD-120694-A-36, DOD-120694-A-37, DOD-120694-A-39, DOD-120694-A-40, DOD-120694-A-41, DOD-120694-A-42, DOD-120694-A-44, DOD-120694-A-45, DOD-120694-A-50, DOD-120694-A-7, DOD-121494-A-2, DOE-051094-A-103, DOE-051094-A-111, DOE-051094-A-112, DOE-051094-A-113, DOE-051094-A-114, DOE-051094-A-116, DOE-051094-A-118, DOE-051094-A-154, DOE-051094-A-155, DOE-051094-A-159, DOE-051094-A-161, DOE-051094-A-162, DOE-051094-A-171, DOE-051094-A-186, DOE-051094-A-190, DOE-051094-A-210, DOE-051094-A-211, DOE-051094-A-212, DOE-051094-A-215, DOE-051094-A-217, DOE-051094-A-220, DOE-051094-A-221, DOE-051094-A-223, DOE-051094-A-24, DOE-051094-A-247, DOE-051094-A-248, DOE-051094-A-249, DOE-051094-A-250, DOE-051094-A-251, DOE-051094-A-252, DOE-051094-A-255, DOE-051094-A-256, DOE-051094-A-257, DOE-051094-A-259, DOE-051094-A-270, DOE-051094-A-274, DOE-051094-A-293, DOE-051094-A-317, DOE-051094-A-322, DOE-051094-A-338, DOE-051094-A-339, DOE-051094-A-341, DOE-051094-A-345, DOE-051094-A-351, DOE-051094-A-360,

DOE-051094-A-361, DOE-051094-A-362, DOE-051094-A-364, DOE-051094-A-365, DOE-051094-A-368, DOE-051094-A-369, DOE-051094-A-370, DOE-051094-A-380, DOE-051094-A-381, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-386, DOE-051094-A-387, DOE-051094-A-405, DOE-051094-A-406, DOE-051094-A-407, DOE-051094-A-410, DOE-051094-A-411, DOE-051094-A-425, DOE-051094-A-427, DOE-051094-A-430, DOE-051094-A-431, DOE-051094-A-437, DOE-051094-A-53, DOE-051094-A-60, DOE-051094-A-63, DOE-051094-A-76, DOE-051094-A-78, DOE-051094-A-80, DOE-060794-B-10, DOE-060794-B-11, DOE-060794-B-14, DOE-060794-B-15, DOE-060794-B-16, DOE-060794-B-17, DOE-060794-B-19, DOE-060794-B-2, DOE-060794-B-20, DOE-060794-B-21, DOE-060794-B-22, DOE-060794-B-3, DOE-060794-B-31, DOE-060794-B-32, DOE-060794-B-33, DOE-060794-B-34, DOE-060794-B-6, DOE-060794-B-8, DOE-061794-B-10, DOE-061794-B-11, DOE-061794-B-12, DOE-061794-B-13, DOE-061794-B-3, DOE-061794-B-4, DOE-061794-B-6, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, DOE-070194-A-11, DOE-070194-A-19, DOE-070194-A-28, DOE-070194-A-35, DOE-072694-B-54, DOE-072694-B-69, DOE-082294-B-11, DOE-082294-B-29, DOE-082294-B-39, DOE-093094-A-28, DOE-120294-B-10, DOE-120294-B-7, DOE-120294-B-8, DOE-120894-E-18, DOE-120894-E-22, DOE-120894-E-25, DOE-120894-E-26, DOE-120894-E-40, DOE-120894-E-42, DOE-120894-E-5, DOE-120894-E-85, DOE-120894-E-86, DOE-120894-E-87, DOE-120894-E-88, DOE-120994-A-19, DOE-120994-A-22, DOE-120994-A-23, DOE-021095-B-10, DOE-021095-B-11, DOE-021095-B-6, DOE-022195-A-3, DOE-030195-A-1, DOE-030395-A-1, DOE-040395-B-1, HHS-071394-A-1, HHS-071394-A-2, DOE-101194-B-2, DOE-101194-B-2, NARA-070794-A-9, NARA-082294-A-106, NARA-082294-A-148, NARA-082294-A-150, NARA-082294-A-151, NARA-082294-A-35, NARA-082294-A-46, NARA-082294-A-57, NARA-082294-A-90, TEX-101294-A-1, TEX-101294-A-3, UCLA-111094-A-28, UCLA-090194-A-7

**Scientific Equipment**

DOD-120694-A-27, DOD-120694-A-39, DOE-051094-A-153, DOE-051094-A-156, DOE-051094-A-209, DOE-051094-A-23, DOE-051094-A-24, DOE-051094-A-274, DOE-051094-A-312, DOE-051094-A-313, DOE-051094-A-335, DOE-051094-A-351, DOE-051094-A-387, DOE-051094-A-41, DOE-051094-A-410, DOE-060794-B-8, DOE-061794-A-1, DOE-061794-B-10, DOE-061794-B-12, DOE-061794-B-13, DOE-061794-B-2, DOE-061794-B-6, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, DOE-070194-A-34, DOE-120294-B-14, DOE-120294-B-8, DOE-120894-E-94, DOE-021095-B-7, DOE-021095-B-8, DOE-021095-B-9, DOE-101194-B-2, DOE-101194-B-2, IND-071395-A-6, IND-071395-A-8, NARA-082294-A-104, NARA-082294-A-112, NARA-082294-A-132, NARA-082294-A-46, NARA-082294-A-54, NARA-082294-A-57, NARA-082294-A-58, NARA-082294-A-86

**Scientific Method**

DOD-120694-A-25, DOD-121494-A-2, DOE-051094-A-159, DOE-051094-A-161, DOE-051094-A-162, DOE-051094-A-171, DOE-051094-A-265, DOE-051094-A-273, DOE-051094-A-274, DOE-051094-A-329, DOE-051094-A-338, DOE-051094-A-343, DOE-051094-A-344, DOE-051094-A-364, DOE-051094-A-368, DOE-051094-A-370, DOE-051094-A-371, DOE-051094-A-373, DOE-051094-A-427, DOE-060794-B-1, DOE-060794-B-11, DOE-060794-B-15, DOE-060794-B-16, DOE-060794-B-17, DOE-060794-B-19, DOE-060794-B-2, DOE-060794-B-3, DOE-060794-B-32, DOE-060794-B-33, DOE-060794-B-34, DOE-060794-B-5, DOE-060794-B-6, DOE-061794-B-10, DOE-061794-B-11, DOE-061794-B-12, DOE-061794-B-13, DOE-061794-B-2, DOE-061794-B-5, DOE-061794-B-6, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, DOE-072694-B-70, DOE-101194-A-8, DOE-120894-E-31, DOE-030395-A-1, DOE-101194-B-2, DOE-101194-B-2, DOE-120594-C-1, DOE-120594-C-1, NARA-082294-A-151, NARA-082294-A-46, NARA-082294-A-57

**Scientific Misconduct**

DOE-051094-A-228, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-440, DOE-051094-A-94, DOE-061794-B-10

**Scientific Standards**

DOD-120694-A-40, DOE-051094-A-250, DOE-051094-A-401, DOE-051094-A-54, DOE-051094-A-59, DOE-051094-A-61, DOE-060794-B-1, DOE-060794-B-5, DOE-060794-B-7, DOE-061794-B-5, DOE-120294-B-15, DOE-120294-B-16, DOE-101194-B-2, DOE-101194-B-2, NARA-082294-A-57

**Scott, Kenneth**

DOE-051094-A-368, DOE-072694-B-36, DOE-072694-B-44, DOE-072694-B-57, DOE-072694-B-66, DOE-101194-B-4, IND-071395-A-8, UCLA-111094-A-35, UCLA-111094-A-36, UCLA-111094-A-1, UCLA-111094-A-2, UCLA-111094-A-4

**Seaborg, Glenn T.**

DOD-010395-C-2, DOE-051094-A-150, DOE-051094-A-152, DOE-051094-A-219, DOE-051094-A-59, DOE-051094-A-63, DOE-051094-A-65, DOE-051094-A-76, DOE-070194-A-3, DOE-070194-A-4, DOE-070194-A-5, DOE-070194-A-7, DOE-093094-A-15, DOE-093094-A-18, NARA-082294-A-95

**Secrecy**

DOD-062194-A-2, DOD-072794-C-29, DOD-021795-A-1, DOE-051094-A-154, DOE-051094-A-156, DOE-051094-A-176, DOE-051094-A-177, DOE-051094-A-178, DOE-051094-A-180, DOE-051094-A-181, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-184, DOE-051094-A-253, DOE-051094-A-270, DOE-051094-A-493, DOE-051094-A-62, DOE-051094-A-68, DOE-070794-A-2, DOE-083094-B-1, DOE-090694-A-3, DOE-092694-A-3, DOE-092694-B-4, DOE-092694-B-6, DOE-120294-B-15, DOE-120894-E-11, DOE-120894-E-23, DOE-120894-E-29, DOE-120894-E-30, DOE-120894-E-32, DOE-120894-E-36, DOE-120894-E-41, DOE-120894-E-42, DOE-120894-E-43, DOE-120894-E-44, DOE-120894-E-46, DOE-120894-E-48, DOE-120894-E-57, DOE-120894-E-61, DOE-120894-E-64, DOE-120994-A-2, DOE-120994-A-3, DOE-120994-A-4, DOE-030195-B-1, DOE-032095-A-1, DOE-032195-B-1, DOE-032995-A-3, DOE-052295-A-1, IND-071395-A-10, IND-071395-A-3, IND-071395-A-7, NARA-082294-A-157, CON-042894-A-4, UCLA-111094-A-24, UCLA-090194-A-6

**Shimkin, Michael**

UCLA-111094-A-33, UCLA-111094-A-35, UCLA-111094-A-32

**Sloan-Kettering Institute**

DOD-042994-A-19, DOD-060794-A-1, DOE-061794-A-1

**Space Flight**

DOD-072794-C-29, DOD-102894-A-4, NARA-082294-A-109

**Spencer, R. R.**

DOE-051094-A-371

**Spermatogenesis**

CORP-013095-A-2, DOE-051094-A-21, DOE-082294-B-31, DOE-082294-B-56, DOE-082294-B-60, DOE-082294-B-61, DOE-082294-B-62, DOE-082294-B-63, DOE-082294-B-64, DOE-082294-B-65, DOE-082294-B-66, DOE-082294-B-67, DOE-122994-A-2, DOE-011895-B-3, IND-101294-D-1, IND-110994-A-2, WASH-112294-A-3

**Standards**

CORP-010395-A-1, DOD-062194-B-3, DOE-051094-A-124, DOE-051094-A-156, DOE-051094-A-176, DOE-051094-A-250, DOE-051094-A-274, DOE-051094-A-351, DOE-051094-A-356, DOE-051094-A-401, DOE-051094-A-461, DOE-051094-A-472, DOE-051094-A-476, DOE-051094-A-54, DOE-051094-A-589, DOE-051094-A-609, DOE-060794-B-40, DOE-061794-A-1, DOE-061794-A-2, DOE-061794-A-3, DOE-082294-B-37, DOE-101194-B-1, DOE-113094-C-3, DOE-120894-E-25, DOE-020795-D-6, DOE-101194-B-2, DOE-101194-B-2, IND-120294-A-1, IND-120294-A-2, IND-120294-A-3, NARA-082294-A-31, NARA-082294-A-86

**Stanford University**

DOE-060794-B-34

**Stannard, J. Newell**

DOE-051094-A-189, DOE-051094-A-425, DOE-061794-A-4, DOE-082294-B-17, DOE-082294-B-8, NARA-082294-A-39

**Stone, Robert**

DOD-042994-A-17, DOE-051094-A-104, DOE-051094-A-201, DOE-051094-A-284, DOE-051094-A-301, DOE-051094-A-309, DOE-051094-A-310, DOE-051094-A-359, DOE-051094-A-371, DOE-051094-A-378, DOE-051094-A-487, DOE-051094-A-568, DOE-051094-A-591, DOE-060794-B-1, DOE-061794-A-1, DOE-070194-A-10, DOE-070194-A-11, DOE-070194-A-2, DOE-070194-A-3, DOE-070194-A-4, DOE-070194-A-5, DOE-070194-A-8, DOE-070194-A-9, DOE-072694-A-1, DOE-072694-A-2, DOE-082294-B-12, DOE-101194-B-4, DOE-110894-A-4, DOE-113094-B-6, DOE-113094-C-2, DOE-120894-E-16, DOE-120894-E-18, DOE-120894-E-29, DOE-120894-E-40, DOE-120894-E-43, DOE-120894-E-90, DOE-120894-E-93, DOE-120994-A-14, DOE-120994-A-18, DOE-120994-A-19, DOE-120994-A-20, DOE-120994-A-22, DOE-120994-A-23, DOE-120994-A-27, DOE-120994-B-1, DOE-120994-B-2, DOE-121294-B-1, DOE-121294-B-4, DOE-121294-D-14, DOE-121494-D-1, DOE-121494-D-2, DOE-121494-D-3, DOE-122294-A-1, NARA-082294-A-156, DOE-011195-B-1, DOE-021095-B-11, DOE-050895-A-1, DOE-052295-A-1, DOE-060295-C-1, IND-071395-A-1, IND-071395-A-13, IND-071395-A-3, NARA-070794-A-1, NARA-070794-A-9, NARA-082294-A-156, NARA-082294-A-161, NARA-082294-A-162, NARA-082294-A-45, NARA-082294-A-51, NARA-082294-A-52, NARA-082294-A-116, UCLA-111094-A-21, UCLA-111094-A-27, UCLA-111094-A-30, UCLA-111094-A-31,

UCLA-111094-A-33, UCLA-111094-A-35, UCLA-111094-A-24, UCLA-111094-A-25, UCLA-111094-A-18, UCLA-111094-A-19, UCLA-111094-A-26, UCLA-111094-A-28, UCLA-090194-A-8

**Subcommittee on Human Applications**

NARA-082294-A-114

**Subject Consent**

DOD-120694-A-2, DOD-020695-B-2, DOE-051094-A-137, DOE-051094-A-181, DOE-051094-A-2, DOE-051094-A-217, DOE-051094-A-218, DOE-051094-A-220, DOE-051094-A-222, DOE-051094-A-224, DOE-051094-A-231, DOE-051094-A-238, DOE-051094-A-240, DOE-051094-A-241, DOE-051094-A-242, DOE-051094-A-244, DOE-051094-A-245, DOE-051094-A-246, DOE-051094-A-414, DOE-051094-A-433, DOE-051094-A-449, DOE-051094-A-461, DOE-051094-A-92, DOE-051094-A-97, DOE-051094-A-99, DOE-060794-B-12, DOE-060794-B-2, DOE-060794-B-3, DOE-060794-B-5, DOE-082294-B-68, HHS-090794-A-2, DOD-040895-A-1

**Subjects**

DOD-062194-A-2, DOD-062194-B-1, DOD-062194-B-2, DOD-062194-B-3, DOD-062194-B-4, DOD-062194-B-5, DOD-072794-B-18, DOD-072794-B-6, DOD-080694-A-3, DOD-120694-A-39, DOD-120694-A-7, DOE-051094-A-115, DOE-051094-A-176, DOE-051094-A-177, DOE-051094-A-178, DOE-051094-A-183, DOE-051094-A-206, DOE-051094-A-221, DOE-051094-A-223, DOE-051094-A-224, DOE-051094-A-225, DOE-051094-A-230, DOE-051094-A-231, DOE-051094-A-338, DOE-051094-A-341, DOE-051094-A-344, DOE-051094-A-368, DOE-051094-A-37, DOE-051094-A-370, DOE-051094-A-402, DOE-051094-A-45, DOE-051094-A-55, DOE-051094-A-58, DOE-051094-A-59, DOE-051094-A-61, DOE-051094-A-63, DOE-051094-A-66, DOE-051094-A-67, DOE-060794-B-34, DOE-060794-B-35, DOE-072694-A-1, DOE-090694-A-8, DOE-092694-A-2, DOE-120894-E-2, DOE-120994-A-4, NARA-082294-A-153, NARA-082294-A-154, NARA-082294-A-155, NARA-082294-A-163, NARA-082294-A-167, NARA-082294-A-169, NARA-082294-A-84, UCLA-090194-A-1, UCLA-090194-A-4

**Suppliers/Vendors**

DOE-051094-A-154, DOE-051094-A-156, DOE-051094-A-333, DOE-051094-A-335, DOE-051094-A-336, DOE-070794-C-23, DOE-072294-A-2, DOE-101194-A-12, DOE-011895-B-1

**Surveys**

DOE-101194-B-1, DOE-120894-E-25, DOE-120994-A-1

**Telemetry**

DOE-051094-A-118, DOE-051094-A-551, DOE-051094-A-95

**Teletherapy**

DOE-051094-A-125, DOE-051094-A-126, DOE-051094-A-127, DOE-051094-A-128, DOE-051094-A-129, DOE-051094-A-130, DOE-051094-A-132, DOE-051094-A-133, DOE-051094-A-134, DOE-051094-A-135, DOE-051094-A-233, DOE-051094-A-378, DOE-051094-A-58, DOE-082294-B-26, DOE-101194-A-3, NARA-082294-A-167, NARA-082294-A-169, UCLA-090194-A-7

**Texas Tech University**

TEX-101294-A-4

**Therapeutic Privilege**

DOE-051094-A-230

**Thorium**

DOE-051094-A-225, DOE-051094-A-304, DOE-051094-A-305, DOE-051094-A-308, DOE-051094-A-433, DOE-051094-A-501, DOE-051094-A-506, DOE-051094-A-552, DOE-051094-A-560, DOE-051094-A-561, DOE-051094-A-562, DOE-051094-A-563, DOE-061794-A-1, DOE-061794-A-3, DOE-061794-B-2, DOE-082294-B-28, DOE-082294-B-68, NARA-082294-A-111, NARA-082294-A-122

**Total Body Irradiation**

ACHRE-021095-B-1, ACHRE-021095-B-2, BAY-101794-A-1, BAY-101794-A-2, BAY-101794-A-3, CORP-010995-A-1, DOD-042994-A-1, DOD-042994-A-10, DOD-042994-A-11, DOD-042994-A-12, DOD-042994-A-13, DOD-042994-A-16, DOD-042994-A-17, DOD-042994-A-18, DOD-042994-A-19, DOD-042994-A-20, DOD-042994-A-21, DOD-042994-A-22, DOD-042994-A-5, DOD-042994-A-6, DOD-042994-A-7, DOD-042994-A-8, DOD-042994-A-9, DOD-060794-A-1, DOD-062194-A-2, DOD-062194-A-3, DOD-062194-B-7, DOD-072794-B-18, DOD-072794-C-29, DOD-081994-A-1, DOD-090994-C-3, DOD-090994-D-2, DOD-092894-A-1, DOD-092894-A-2, DOD-102594-A-1, DOD-102894-A-2, DOD-121994-C-1, DOE-051094-A-117, DOE-051094-A-136, DOE-051094-A-148, DOE-051094-A-157, DOE-051094-A-158, DOE-051094-A-190, DOE-051094-A-2, DOE-051094-A-206, DOE-051094-A-228, DOE-051094-A-229, DOE-051094-A-231, DOE-051094-A-232, DOE-051094-A-233, DOE-051094-A-294, DOE-051094-A-304, DOE-051094-A-359,

DOE-051094-A-378, DOE-051094-A-379, DOE-051094-A-420, DOE-051094-A-428, DOE-051094-A-432, DOE-051094-A-433, DOE-051094-A-435, DOE-051094-A-437, DOE-051094-A-444, DOE-051094-A-445, DOE-051094-A-447, DOE-051094-A-449, DOE-051094-A-461, DOE-051094-A-496, DOE-051094-A-533, DOE-051094-A-544, DOE-051094-A-568, DOE-051094-A-58, DOE-051094-A-592, DOE-051094-A-94, DOE-060794-B-10, DOE-061794-B-11, DOE-061794-B-15, DOE-061794-B-21, DOE-061794-B-8, DOE-072294-A-10, DOE-072294-A-12, DOE-072294-A-4, DOE-072294-A-6, DOE-072294-A-7, DOE-072294-A-8, DOE-120894-E-12, DOE-120894-E-32, DOE-120894-E-35, DOE-120894-E-42, DOE-120994-A-15, DOE-120994-B-1, DOE-121294-B-4, DOE-012595-B-1, DOE-052395-A-1, DOE-060295-C-1, IND-091594-A-1, NARA-082294-A-123, NARA-082294-A-169, UCLA-111094-A-30, UCLA-090194-A-7, UCIN-103194-A-1, DOD-020695-B-1

**Toxicity**

CIA-020795-A-1, CORP-051894-A-1, DOD-062194-B-14, DOD-072794-B-2, DOD-072794-B-3, DOD-120694-A-19, DOD-021095-A-25, DOE-051094-A-114, DOE-051094-A-115, DOE-051094-A-157, DOE-051094-A-189, DOE-051094-A-206, DOE-051094-A-211, DOE-051094-A-213, DOE-051094-A-247, DOE-051094-A-249, DOE-051094-A-258, DOE-051094-A-263, DOE-051094-A-264, DOE-051094-A-266, DOE-051094-A-276, DOE-051094-A-285, DOE-051094-A-288, DOE-051094-A-289, DOE-051094-A-290, DOE-051094-A-293, DOE-051094-A-296, DOE-051094-A-297, DOE-051094-A-298, DOE-051094-A-300, DOE-051094-A-304, DOE-051094-A-308, DOE-051094-A-312, DOE-051094-A-328, DOE-051094-A-338, DOE-051094-A-342, DOE-051094-A-359, DOE-051094-A-360, DOE-051094-A-369, DOE-051094-A-370, DOE-051094-A-404, DOE-051094-A-405, DOE-051094-A-41, DOE-051094-A-422, DOE-051094-A-426, DOE-051094-A-441, DOE-051094-A-479, DOE-051094-A-500, DOE-051094-A-506, DOE-051094-A-507, DOE-051094-A-552, DOE-051094-A-553, DOE-051094-A-560, DOE-051094-A-561, DOE-051094-A-562, DOE-051094-A-563, DOE-051094-A-574, DOE-051094-A-82, DOE-051094-A-83, DOE-051094-A-84, DOE-051094-A-85, DOE-051094-A-86, DOE-060794-B-1, DOE-061794-B-2, DOE-070194-A-3, DOE-070194-A-31, DOE-070194-A-39, DOE-070194-A-4, DOE-070194-A-5, DOE-070194-A-6, DOE-070194-A-7, DOE-070194-A-9, DOE-072694-B-71, DOE-082294-B-1, DOE-082294-B-18, DOE-082294-B-28, DOE-082294-B-30, DOE-082294-B-31, DOE-120294-B-10, DOE-120294-B-11, DOE-120294-B-7, DOE-120294-B-8, DOE-120294-B-9, DOE-120894-E-11, DOE-120894-E-18, DOE-120894-E-19, DOE-120894-E-2, DOE-120894-E-20, DOE-120894-E-22, DOE-120894-E-24, DOE-120894-E-25, DOE-120894-E-26, DOE-120894-E-3, DOE-120894-E-37, DOE-120894-E-40, DOE-120894-E-46, DOE-120894-E-5, DOE-120894-E-54, DOE-120894-E-7, DOE-120894-E-93, DOE-120994-A-14, DOE-120994-A-19, DOE-120994-A-22, DOE-120994-A-23, DOE-021095-B-10, DOE-021095-B-11, DOE-021095-B-12, DOE-022195-A-3, DOE-022195-A-4, DOE-022195-A-5, DOE-022195-A-7, NARA-082294-A-147, NARA-082294-A-148, NARA-082294-A-150, NARA-082294-A-162, NARA-082294-A-163, NARA-082294-A-170, NARA-082294-A-171, NARA-082294-A-45, NARA-082294-A-46, NARA-082294-A-51, NARA-082294-A-80, UCLA-111094-A-26, UCLA-090194-A-7

**Training**

DOD-120694-A-49, DOE-051094-A-382, DOE-051094-A-383, DOE-051094-A-384, DOE-051094-A-385, DOE-051094-A-60, DOE-072294-A-2, DOE-082294-B-30, DOE-082294-B-38, DOE-101194-A-15, DOE-120294-B-7, DOE-120894-E-27, DOE-120894-E-69, DOE-120894-E-70, DOE-120894-E-72, NARA-082294-A-69, NARA-082294-A-74, NARA-082294-A-80

**Truth-telling**

DOE-051094-A-419, DOE-051094-A-461, NARA-082294-A-157

**Tube Alloy**

CON-030795-A-1, DOE-113094-B-8, NARA-082294-A-170

**Tulane University**

DOE-060794-B-25, DOE-060794-B-26, DOE-060794-B-32, DOE-060794-B-8, DOE-082294-B-46, DOE-082294-B-47

**University of California - Berkeley (UCB)**

DOD-121294-C-2, DOE-051094-A-120, DOE-051094-A-196, DOE-051094-A-483, DOE-051094-A-604, DOE-051094-A-605, DOE-051094-A-606, DOE-051094-A-608, DOE-051094-A-615, DOE-070194-A-2, DOE-070194-A-25, DOE-070194-A-26, DOE-070194-A-30, DOE-070194-A-9, DOE-070794-A-1, DOE-072694-A-0, DOE-072694-B-26, DOE-072694-B-28, DOE-072694-B-33, DOE-072694-B-34, DOE-072694-B-35, DOE-072694-B-36, DOE-072694-B-37, DOE-072694-B-54, DOE-072694-B-55, DOE-072694-B-56, DOE-072694-B-57, DOE-072694-B-58, DOE-072694-B-59, DOE-072694-B-63, DOE-072694-B-64, DOE-072694-B-65, DOE-072694-B-66, DOE-072694-B-67, DOE-072694-B-71, DOE-072694-B-72, DOE-072694-B-9, DOE-110894-A-1, DOE-112194-D-3, DOE-113094-B-2, DOE-113094-B-8, DOE-113094-C-3,

DOE-120894-C-1, DOE-120894-E-40, DOE-120894-E-82, DOE-120894-E-90, DOE-120894-E-91, DOE-120994-B-2, DOE-121294-B-1, DOE-121294-B-10, DOE-121294-B-5, DOE-121294-B-6, DOE-121294-B-7, DOE-121294-D-14, DOE-122294-A-1, DOE-122294-A-2, DOE-122294-A-3, DOE-122794-B-1, DOE-122794-B-2, DOE-032195-B-1, IND-071395-A-11, IND-071395-A-12, IND-071395-A-14, IND-071395-A-2, IND-071395-A-3, IND-071395-A-4, IND-071395-A-8, IND-071395-A-9, NARA-082294-A-109, NARA-082294-A-46, NARA-082294-A-95; UCLA-111094-A-13, UCLA-111094-A-27, UCLA-111094-A-1, UCLA-111094-A-10, UCLA-111094-A-12, UCLA-111094-A-2, UCLA-111094-A-3, UCLA-111094-A-4, UCLA-111094-A-5, UCLA-111094-A-7, UCLA-111094-A-37

**University of California - Berkeley (UCB): Radiation Laboratory**

DOD-012295-A-2, DOE-072694-B-44, DOE-072694-B-73, DOE-101194-B-4, DOE-110894-A-2, DOE-110894-A-3, DOE-113094-C-1, DOE-120894-E-16, DOE-121294-B-2, DOE-121294-B-8, DOE-121294-B-9, IND-071395-A-10, IND-071395-A-5, IND-071395-A-6, NARA-082294-A-102, NARA-082294-A-16, NARA-082294-A-28, NARA-082294-A-46, UCLA-111094-A-35, UCLA-111094-A-8

**University of California - Los Angeles (UCLA)**

DOD-062194-B-7, DOD-120694-A-15, DOE-072294-A-16, DOE-082294-B-72, DOE-120894-E-92, UCLA-090194-A-4, UCLA-090194-A-5, UCLA-090194-A-6

**University of California - San Diego (UCSD)**

DOE-110894-A-1

**University of California - San Francisco (UCSF)**

DOE-051094-A-185, DOE-051094-A-220, DOE-051094-A-223, DOE-051094-A-224, DOE-051094-A-568, DOE-051094-A-93, DOE-070194-A-17, DOE-070194-A-35, DOE-072694-A-0, DOE-072694-B-71, DOE-110894-A-2, DOE-110894-A-4, DOE-113094-C-2, DOE-121294-B-3, DOE-121294-B-4, DOE-122294-A-1, DOE-050895-A-1, IND-071395-A-1, IND-071395-A-12, IND-071395-A-13, IND-071395-A-6, NARA-052495-A-1, UCLA-111094-A-14, UCLA-111094-A-15, UCLA-111094-A-16, UCLA-111094-A-17, UCLA-111094-A-20, UCLA-111094-A-21, UCLA-111094-A-23, UCLA-111094-A-31, UCLA-111094-A-33, UCLA-111094-A-34, UCLA-111094-A-35, UCLA-111094-A-11, UCLA-111094-A-3, UCLA-111094-A-4, UCLA-111094-A-5, UCLA-111094-A-6, UCLA-111094-A-18, UCLA-111094-A-19, UCLA-111094-A-32

**University of California - San Francisco (UCSF): Hospital**

DOE-051094-A-4, DOE-051094-A-177, DOE-051094-A-37, DOE-051094-A-378, UCLA-111094-A-21

**University of Chicago**

DOE-061794-A-1, DOE-070194-A-7, DOE-072694-B-43, DOE-101194-A-11, DOE-012595-B-1, DOE-012595-B-2, DOE-012595-B-4, DOE-012595-B-5, DOE-012595-B-6, NARA-082294-A-109, NARA-082294-A-128, NARA-052495-A-1

**University of Chicago: Billings Hospital**

DOE-051094-A-177, DOE-051094-A-185, DOE-051094-A-196, DOE-051094-A-220, DOE-051094-A-223, DOE-051094-A-224, DOE-051094-A-37, DOE-051094-A-378, DOE-051094-A-483, DOE-051094-A-608, DOE-092694-A-3, DOE-120894-C-1, DOE-121294-D-14, DOE-121294-D-15, DOE-121294-D-17

**University of Chicago: Department of Radiology**

DOE-122194-A-1, DOE-122194-A-2, DOE-122194-A-3

**University of Chicago: Metallurgical Laboratory**

DOD-072794-B-3, DOE-051094-A-310, DOE-060794-B-10, DOE-061794-B-3, DOE-070194-A-35, DOE-070194-A-36, DOE-082294-B-1, DOE-082294-B-2, DOE-090694-A-1, DOE-120894-E-16, DOE-120894-E-20, DOE-121494-D-3, NARA-082294-A-156, DOE-011195-B-1, IND-071395-A-3, NARA-082294-A-156, NARA-082294-A-161, NARA-082294-A-162, NARA-082294-A-25, NARA-082294-A-44, NARA-082294-A-45, NARA-082294-A-52

**University of Cincinnati**

ACHRE-021095-B-1, ACHRE-021095-B-2, DOD-042994-A-1, DOD-042994-A-11, DOD-042994-A-12, DOD-042994-A-13, DOD-042994-A-14, DOD-042994-A-16, DOD-042994-A-18, DOD-042994-A-19, DOD-042994-A-21, DOD-042994-A-22, DOD-042994-A-5, DOD-042994-A-6, DOD-042994-A-8, DOE-051094-A-378, IND-091594-A-1, UCIN-103194-A-1

**University of Michigan**

MIC-010495-A-1, MIC-010495-A-2, MIC-010495-A-3, MIC-010495-A-4, MIC-010495-A-5, MIC-010495-A-6, MIC-010495-A-7, MIC-010495-A-8

**University of Rochester**

DOD-021095-A-22, DOD-021095-A-24, DOE-051094-A-195, DOE-051094-A-198, DOE-051094-A-289, DOE-051094-A-497, DOE-051094-A-556, DOE-051094-A-619, DOE-061794-A-4, DOE-070194-A-18,

DOE-070194-A-26, DOE-070194-A-31, DOE-070194-A-39, DOE-070194-A-41, DOE-082294-B-72, DOE-082294-B-73, DOE-120994-A-11, DOE-120994-A-13, NARA-082294-A-143, NARA-082294-A-145, NARA-052495-A-1

**University of Rochester: Department of Radiation Biology**

DOE-113094-B-10, NARA-082294-A-112, NARA-082294-A-125, NARA-082294-A-43

**University of Rochester: Metabolic Unit**

CON-030795-A-1, CON-030795-A-2, DOE-070194-A-40, DOE-120994-A-20, DOE-121294-D-10, DOE-121294-D-11, DOE-121294-D-12, DOE-121294-D-13, DOE-121294-D-14, DOE-121294-D-16, DOE-121294-D-18, DOE-121294-D-2, DOE-121294-D-3, DOE-121294-D-4, DOE-121294-D-5, DOE-121294-D-6, DOE-121294-D-7, DOE-121294-D-8, DOE-121294-D-9, NARA-082294-A-112, NARA-082294-A-123, NARA-082294-A-125

**University of Rochester: Strong Memorial Hospital**

DOE-051094-A-177, DOE-051094-A-183, DOE-051094-A-185, DOE-051094-A-220, DOE-051094-A-223, DOE-051094-A-224, DOE-051094-A-359, DOE-051094-A-37, DOE-051094-A-378, DOE-051094-A-607, DOE-051094-A-608, DOE-051094-A-612, DOE-061794-B-16, DOE-061794-B-2, DOE-082294-B-13, DOE-082294-B-14, DOE-120894-C-1, DOE-121294-D-19, DOE-041495-A-1, NARA-082294-A-11, NARA-082294-A-112, NARA-082294-A-14, NARA-082294-A-171, NARA-082294-A-172, NARA-082294-A-25, NARA-082294-A-27

**University of Tennessee**

DOE-051094-A-396

**University of Texas**

CORP-010995-A-1, NARA-082294-A-121

**University of Utah**

DOE-061794-A-4, DOE-072694-B-55, DOE-072694-B-64, DOE-122794-B-1, UTAH-111394-A-2

**University of Washington**

DOD-042994-A-3, DOE-072294-A-16, DOE-082294-B-71, IND-110994-A-2, IND-011195-A-1, NARA-052495-A-1, WASH-112294-A-5, WASH-112294-A-6, WASH-112294-A-1

**University Research**

BAY-101794-A-2, DOD-042994-A-11, DOD-042994-A-20, DOD-062194-B-10, DOD-062194-B-13, DOD-072794-B-1, DOD-072794-B-13, DOD-072794-B-16, DOD-072794-B-22, DOD-072794-B-5, DOD-072794-B-9, DOD-080694-A-6, DOD-090994-D-2, DOD-120694-A-1, DOD-120694-A-17, DOE-051094-A-120, DOE-051094-A-123, DOE-051094-A-131, DOE-051094-A-154, DOE-051094-A-177, DOE-051094-A-184, DOE-051094-A-185, DOE-051094-A-188, DOE-051094-A-225, DOE-051094-A-228, DOE-051094-A-238, DOE-051094-A-261, DOE-051094-A-262, DOE-051094-A-277, DOE-051094-A-29, DOE-051094-A-317, DOE-051094-A-318, DOE-051094-A-319, DOE-051094-A-320, DOE-051094-A-335, DOE-051094-A-359, DOE-051094-A-390, DOE-051094-A-428, DOE-051094-A-430, DOE-051094-A-431, DOE-051094-A-437, DOE-051094-A-442, DOE-051094-A-448, DOE-051094-A-460, DOE-051094-A-483, DOE-051094-A-487, DOE-051094-A-489, DOE-051094-A-547, DOE-051094-A-548, DOE-051094-A-574, DOE-051094-A-595, DOE-051094-A-64, DOE-051094-A-72, DOE-060794-B-12, DOE-060794-B-25, DOE-060794-B-26, DOE-060794-B-27, DOE-060794-B-28, DOE-060794-B-29, DOE-060794-B-32, DOE-060794-B-33, DOE-060794-B-34, DOE-060794-B-35, DOE-061794-B-10, DOE-061794-B-11, DOE-061794-B-12, DOE-061794-B-13, DOE-061794-B-14, DOE-061794-B-2, DOE-061794-B-23, DOE-061794-B-7, DOE-061794-B-8, DOE-061794-B-9, DOE-070194-A-31, DOE-070194-A-41, DOE-072694-A-2, DOE-082294-B-14, DOE-082294-B-2, DOE-082294-B-46, DOE-082294-B-48, DOE-082294-B-52, DOE-082294-B-54, DOE-082294-B-55, DOE-082294-B-61, DOE-082294-B-67, DOE-092694-A-3, DOE-101194-A-6, DOE-110894-A-2, DOE-120894-E-22, DOE-120894-E-40, DOE-120894-E-45, DOE-120894-E-49, DOE-120894-E-52, DOE-120894-E-82, DOE-120894-E-90, DOE-120994-A-11, DOE-121294-B-7, NARA-082294-A-156, DOE-022195-A-2, DOE-022195-A-7, DOE-061395-D-1, IND-071395-A-12, IND-071395-A-6, NARA-082294-A-102, NARA-082294-A-14, NARA-082294-A-143, NARA-082294-A-144, NARA-082294-A-145, NARA-082294-A-152, NARA-082294-A-156, NARA-082294-A-162, NARA-082294-A-166, NARA-082294-A-167, NARA-082294-A-168, NARA-082294-A-172, NARA-082294-A-19, NARA-082294-A-2, NARA-082294-A-25, NARA-082294-A-26, NARA-082294-A-28, NARA-082294-A-30, NARA-082294-A-39, NARA-082294-A-42, NARA-082294-A-43, NARA-082294-A-69, NARA-082294-A-70, NARA-082294-A-87, NARA-082294-A-91, NARA-082294-A-92, NARA-082294-A-94, NARA-082294-A-96, NARA-012395-A-5, TEX-101294-A-3, UCLA-111094-A-13, UCLA-111094-A-14, UCLA-111094-A-16, UCLA-111094-A-33, UCLA-111094-A-11, UCLA-111094-A-19, UCLA-090194-A-1, UCLA-090194-A-4, UCLA-090194-A-5,

UCLA-090194-A-6, VCU-012595-A-1, VCU-012595-A-10, VCU-012595-A-3

**Uranium Mining/Miners/Milling**
DOE-051094-A-206, DOE-051094-A-208, DOE-051094-A-304, DOE-051094-A-308, DOE-051094-A-378, DOE-051094-A-479, DOE-051094-A-506, DOE-061794-A-1, DOE-082294-B-68, DOE-082294-B-69

**U.S. Geological Survey**
CORP-013095-A-1, DOE-121494-E-1

**Vanderbilt University**
DOE-051094-A-394, DOE-051094-A-395

**Veterans Administration (VA)**
DOE-061794-B-15, DOE-070794-C-21, DOE-070794-C-22, DOE-070794-C-23, DOE-120894-E-70, DOE-122994-A-1, NARA-070794-A-6

**Voluntariness**
DOD-062194-A-4, DOD-030195-B-1, DOD-030195-B-2, DOD-030195-B-3, DOE-051094-A-180, DOE-051094-A-181, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-367, DOE-060794-B-5, DOE-082294-B-57, DOE-082294-B-62, HHS-072894-A-1, HHS-090794-A-2, HAR-062394-A-1

**Volunteers**
CIA-020795-A-1, DOD-042994-A-15, DOD-062194-A-4, DOD-062494-A-19, DOD-072794-B-6, DOD-091494-A-6, DOD-091494-A-7, DOD-120694-A-12, DOD-120694-A-3, DOD-120694-A-39, DOD-120694-A-4, DOD-120694-A-7, DOD-030195-B-1, DOD-030195-B-2, DOD-030195-B-3, DOE-051094-A-100, DOE-051094-A-180, DOE-051094-A-181, DOE-051094-A-182, DOE-051094-A-183, DOE-051094-A-238, DOE-051094-A-366, DOE-051094-A-367, DOE-051094-A-411, DOE-051094-A-434, DOE-051094-A-448, DOE-051094-A-478, DOE-051094-A-482, DOE-051094-A-51, DOE-051094-A-52, DOE-051094-A-61, DOE-061794-B-9, DOE-070194-A-38, DOE-070794-C-26, DOE-072694-A-1, DOE-072694-B-70, DOE-082294-B-59, DOE-101194-B-1, DOE-120894-E-37, DOE-120994-A-27, DOE-121294-B-6, DOE-012795-C-1, DOE-021095-B-6, HHS-090794-A-2, DOD-012295-A-1, NARA-070794-A-1

**Vulnerable Populations**
DOD-062194-A-2, DOD-062494-A-19, DOE-051094-A-100, DOE-051094-A-176, DOE-051094-A-184, DOE-051094-A-448, DOE-051094-A-473, DOE-051094-A-477, DOE-051094-A-527, DOE-051094-A-569, DOE-061794-B-14, DOE-090694-A-7, DOE-101194-A-13, DOE-121494-D-1, DOD-012295-A-1, NARA-082294-A-62

**Walter Reed Army Institute of Research (DOD/USA)**
DOD-120694-A-35, DOD-120694-A-39

**Walter Reed Army Medical Center (DOD/USA/WRAMC)**
DOD-120694-A-25, DOD-120694-A-6, DOD-120694-A-7

**War Department (War)**
DOE-051094-A-541, NARA-082294-A-129, NARA-082294-A-29, NARA-082294-A-31, NARA-082294-A-83

**Warren, Shields**
DOE-051094-A-11, DOE-051094-A-267, DOE-051094-A-296, DOE-051094-A-307, DOE-051094-A-34, DOE-051094-A-482, DOE-051094-A-487, DOE-051094-A-498, DOE-051094-A-514, DOE-051094-A-527, DOE-051094-A-53, DOE-051094-A-548, DOE-051094-A-56, DOE-051094-A-570, DOE-051094-A-585, DOE-051094-A-59, DOE-051094-A-60, DOE-051094-A-73, DOE-051094-A-89, DOE-051094-A-90, DOE-051094-A-91, DOE-061794-B-5, DOE-070194-A-39, DOE-070194-A-40, DOE-070194-A-41, DOE-070194-A-42, DOE-072694-A-2, DOE-072694-A-3, DOE-072694-B-40, DOE-072694-B-44, DOE-072694-B-45, DOE-082294-B-1, DOE-082294-B-11, DOE-082294-B-13, DOE-082294-B-15, DOE-082294-B-17, DOE-082294-B-18, DOE-082294-B-20, DOE-082294-B-21, DOE-082294-B-24, DOE-082294-B-25, DOE-082294-B-26, DOE-082294-B-30, DOE-082294-B-32, DOE-082294-B-33, DOE-082294-B-36, DOE-082294-B-38, DOE-082294-B-47, DOE-082294-B-72, DOE-090694-A-4, DOE-092694-B-1, DOE-093094-A-5, DOE-120894-E-14, DOE-120894-E-29, DOE-120894-E-55, DOE-120894-E-8, DOE-120994-A-27, DOE-120994-B-1, DOE-121294-D-14, DOE-121294-D-9, DOE-012595-B-1, DOE-012595-B-4, DOE-012595-B-5, DOE-012795-C-1, DOE-020795-D-6, DOE-030195-A-1, DOE-060295-C-1, DOE-082294-B-3, IND-071395-A-13, IND-071395-A-7, IND-071395-A-9, NARA-070794-A-2, NARA-082294-A-100, NARA-082294-A-13, NARA-082294-A-116, UCLA-111094-A-30, UCLA-090194-A-2

**Warren, Stafford**
DOE-051094-A-11, DOE-051094-A-259, DOE-051094-A-284, DOE-051094-A-297, DOE-051094-A-298, DOE-051094-A-299, DOE-051094-A-309, DOE-051094-A-310, DOE-051094-A-38, DOE-051094-A-417, DOE-051094-A-418, DOE-051094-A-468, DOE-051094-A-545, DOE-051094-A-553, DOE-051094-A-59,

DOE-051094-A-60, DOE-051094-A-606, DOE-051094-A-93, DOE-061794-A-1, DOE-061794-B-3, DOE-070194-A-28, DOE-070194-A-29, DOE-070194-A-8, DOE-071494-A-10, DOE-072294-A-16, DOE-072694-A-2, DOE-072694-B-54, DOE-082294-B-15, DOE-082294-B-17, DOE-082294-B-72, DOE-101194-A-1, DOE-101194-A-2, DOE-101194-A-4, DOE-113094-B-1, DOE-113094-B-7, DOE-120894-E-18, DOE-120894-E-20, DOE-120894-E-21, DOE-120894-E-31, DOE-120894-E-40, DOE-120894-E-45, DOE-120894-E-67, DOE-120894-E-84, DOE-120894-E-92, DOE-120894-E-93, DOE-120994-A-23, DOE-120994-B-1, DOE-120994-B-3, DOE-121294-D-10, DOE-121294-D-14, DOE-121294-D-16, DOE-121294-D-2, DOE-121294-D-3, DOE-121294-D-5, NARA-082294-A-156, DOE-021095-B-11, DOE-022195-A-2, DOE-060295-C-1, NARA-082294-A-122, NARA-082294-A-123, NARA-082294-A-147, NARA-082294-A-152, NARA-082294-A-156, NARA-082294-A-157, NARA-082294-A-159, NARA-082294-A-163, NARA-082294-A-170, NARA-082294-A-172, NARA-082294-A-25, NARA-082294-A-3, NARA-082294-A-45, NARA-082294-A-51, NARA-082294-A-57, NARA-082294-A-66, NARA-082294-A-67, NARA-082294-A-72, NARA-082294-A-8, NARA-082294-A-99, UCLA-101794-A-1, UCLA-111094-A-19, UCLA-090194-A-1, UCLA-090194-A-6, UCLA-090194-A-8

**Washington State Prison (Walla Walla)**

IND-061594-A-1, IND-110994-A-1, WASH-112294-A-2, WASH-112294-A-3, WASH-112294-A-4, WASH-112294-A-5, WASH-112294-A-6, WASH-112294-A-1

**Weapons Effectiveness**

DOD-030195-B-3, DOE-072694-B-41, DOE-072694-B-9, DOE-082294-B-1, DOE-093094-A-12, DOE-020795-D-1, DOE-021095-B-14, DOE-041295-A-1, NARA-082294-A-154, NARA-112294-A-1, NARA-112294-A-10, NARA-112294-A-2, NARA-112294-A-4, NARA-112294-A-6, NARA-112294-A-9, DOD-090994-C-1, UCLA-090194-A-7

**Weapons Research**

CORP-051894-A-1, CORP-010395-A-1, DOD-062194-A-2, DOD-062194-B-9, DOD-071194-A-4, DOD-071194-A-5, DOD-071194-A-6, DOD-071194-A-7, DOD-072794-B-3, DOD-100694-A-1, DOD-120694-A-5, DOD-121294-C-2, DOD-121494-A-2, DOD-021795-A-2, DOD-030195-B-3, DOD-032895-A-2, DOE-051094-A-156, DOE-051094-A-255, DOE-051094-A-31, DOE-051094-A-345, DOE-051094-A-351, DOE-051094-A-47, DOE-051094-A-474, DOE-051094-A-476, DOE-051094-A-50, DOE-051094-A-51, DOE-051094-A-52, DOE-051094-A-53, DOE-051094-A-551, DOE-051094-A-585, DOE-051094-A-602, DOE-070194-A-32, DOE-070194-A-42, DOE-071494-A-2, DOE-072694-B-1, DOE-072694-B-10, DOE-072694-B-11, DOE-072694-B-12, DOE-072694-B-13, DOE-072694-B-14, DOE-072694-B-15, DOE-072694-B-16, DOE-072694-B-17, DOE-072694-B-18, DOE-072694-B-2, DOE-072694-B-20, DOE-072694-B-3, DOE-072694-B-4, DOE-072694-B-5, DOE-072694-B-6, DOE-072694-B-68, DOE-072694-B-7, DOE-072694-B-8, DOE-072694-B-9, DOE-082294-B-1, DOE-090694-A-4, DOE-090694-A-6, DOE-090694-A-7, DOE-090694-A-8, DOE-092694-B-6, DOE-093094-A-1, DOE-093094-A-12, DOE-093094-A-15, DOE-093094-A-18, DOE-093094-A-20, DOE-093094-A-24, DOE-093094-A-25, DOE-093094-A-27, DOE-093094-A-29, DOE-093094-A-31, DOE-093094-A-32, DOE-093094-A-33, DOE-093094-A-34, DOE-120894-E-31, DOE-120994-A-24, DOE-120994-A-26, DOE-012595-B-1, DOE-020795-D-1, DOE-021095-B-14, DOE-022195-A-6, DOE-030195-A-1, DOE-031095-B-1, DOE-032995-A-1, DOE-040695-A-1, DOE-040695-A-15, DOE-040695-A-6, DOE-041295-A-1, NARA-082294-A-154, NARA-082294-A-40, NARA-112294-A-1, NARA-112294-A-10, NARA-112294-A-9, DOD-083094-A-1, DOD-083094-A-2, DOD-090994-C-1, SMITH-120994-A-1

**Whole Body Counter**

DOE-101194-B-1, DOE-101194-B-2, DOE-101194-B-2

**Wilson, Carroll**

DOE-051094-A-38, DOE-051094-A-516, DOE-051094-A-517, DOE-051094-A-518, DOE-051094-A-56, DOE-071494-A-2, DOE-072294-A-16, DOE-082294-B-13, DOE-082294-B-15, DOE-092694-B-6, DOE-120894-E-50, DOE-120894-E-53, DOE-120894-E-56, DOE-120894-E-70, DOE-120894-E-84, DOE-052295-A-1, NARA-082294-A-97

**Wirth, John**

DOE-051094-A-309, DOE-051094-A-427, DOE-070194-A-8, DOE-120894-E-93, DOE-021095-B-11

**Yttrium**

DOE-113094-B-8

**Zirconium**

DOE-113094-B-8

# APPENDIX F

## SCHEDULE OF ADVISORY COMMITTEE MEETINGS AND MEETING DOCUMENTATION

This appendix provides information for each of the 16 full meetings and 4 small panel meetings:

- the final agenda;
- the table of contents for the briefing book, listing reports and supplemental materials provided to the Advisory Committee;
- a listing of the individuals who provided testimony during the public comment period; and
- a description of records pertaining to the meeting which, unless otherwise noted, are presumed to include at a minimum a briefing book, a transcript of the proceedings, and approved minutes.

**FIRST MEETING (April 21-22, 1994, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**APRIL 22-21,1994**
**The Ramada Plaza Hotel --Federal Hall--10 Thomas Circle NW--Washington, DC**
**AGENDA**

**Thursday, April 21**

| | |
|---|---|
| 9:30 AM | Call to Order |
| | *Christine Varney, Deputy Assistant to the President and Secretary to the Cabinet* |
| | Swearing-in of the Committee |
| 9:45 | Welcome and Orientation to First Meeting |
| | *Ruth Faden, Chair* |
| 9:55 | Introductions: Committee Members and Staff |
| 10:15 | Briefing by Members of the Interagency Group |
| | *Secretary O'Leary, Department of Energy* |
| | *Secretary Shalala, Department of Health and Human Services* |
| | *Attorney General Reno, Department of Justice* |
| | *Secretary Brown, Department of Veterans Affairs* |
| | *Deputy Secretary Deutch, Department of Defense* |
| | *Admiral Studeman, Central Intelligence Agency* |
| | *Administrator Goldin, National Aeronautics and Space Administration* |
| | Committee Question and Answer Period |
| 11:00 | Break |
| 11:05 | Initial Discussion of Committee Mission |
| | *Moderator: Ruth Faden* |
| 12:15PM | Lunch |
| 1:30 | Comments by Members of Congress |
| | *Senator John Glenn* |
| | *Representative Edward Markey* |
| 2:00 | Continued Committee Discussion of Mission |
| | *Moderator: Ruth Faden* |
| 3:00 | Break |
| 3:15' | Public Comment Period |
| | *Moderator: Ruth Faden* |
| 5:00 | Meeting Adjourned |

*Sources and Documentation*

**Friday April 22**

| | |
|---|---|
| 9:00AM | Opening Remarks<br>*Ruth Faden* |
| 9:05 | Committee Review of Thursday's Proceedings<br>*Moderator: Ruth Faden* |
| 9:30 | Briefing by Interagency Working Group: Document Retrieval and Data Collection Efforts<br>*Dr. Tara O'Toole, Department of Energy*<br>*Dr. Steven Galson, Department of Energy*<br>*Dr. D.A Henderson, Department of Health and Human Services*<br>*Mr. Harold Grocey, Department of Veterans Affairs*<br>*Dr. Gordon Soper, Department of Defense*<br>*Mr. David Gries, Central Intelligence Agency*<br>*Dr. Harry Holloway, National Aeronautics and Space Administration* |
| | Committee Question and Answer Period<br>*Moderator: Ruth Faden* |
| 11:15 | Break |
| 11:25 | Committee Staff Structure and Organization<br>*Dan Guttman, Executive Director-Designate* |
| 11:55 | Conflict of Interest Presentation<br>*Kathleen Whalen, Assistant Counsel to the President* |
| 12:15 PM | Lunch |
| 1:30 | Discussion of Committee Strategy and Direction<br>*Moderator: Ruth Faden* |
| 2:55 | Closing Remarks<br>*Ruth Faden* |
| 3:00 | Meeting Adjournment<br>*Christine Varney* |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #1 (APRIL 21-22, 1994)**
**TABLE OF CONTENTS**


| | |
|---|---|
| **TAB 1** | Agenda<br>Federal Register Notice of Meeting |
| **TAB 2** | Executive Order 12891 (establishes Advisory Committee) |

Advisory Committee Charter
Presidential Memorandum: Review of Federal Policy for the Protection of Human Subjects

**TAB 3** Advisory Committee Roster
Advisory Committee Staff Roster (as of April 13)
Advisory Committee Staff Bios

**TAB 4** Research Ethics: Milestones in Research Ethics
- U.S. v. Karl Brandt (excerpt), from *Trials of War Criminals Before the Nuremberg Military Tribunals Under Control Council Law No. 10.* Vol. II, Nuremberg, October 1946-April 1949
- Nuremberg Code
- Declaration of Helsinki
- Henry K. Beecher, "Ethics and Clinical Research1" *New England Journal of Medicine* 274:1354-60; 1966
- *Final Report* of the Tuskegee Syphilis Study Ad Hoc Advisory Panel (Washington, DC, 1973)
- The National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research, *The Belmont Report: Ethical Principles and Guidelines for the Protection of Human Subjects of Research* (Washington, DC, 1978)
- Federal Policy for the Protection of Human Subjects Protection of Human Subjects--Department of Health and Human Services (Title 45 Code of Federal Regulations part 46)

**TAB 5** Radiation:
- Department of Health and Human Services "Benefits of Radiation and Radiation Experiments"
- Henry D. Royal, "The Effects of Low Levels of Radiation" William R. Hendee, "Public Perception of Radiation Risks," *Radiation & Society*, in press

**TAB 6** Agency Updates on Records Retrieval Process

**TAB 7** Chronology of Congressional Hearings on Radiation Experiments
- *American Nuclear Guinea Pigs: Three Decades of Radiation Experiments on US Citizens*, Report prepared by the Subcommittee on Energy Conservation and Power of the Committee on Energy and Commerce, US House of Representatives, November 1986 ("Markey Report")
- U.S. General Accounting Office, *Examples of Post World War II Radiation Releases at US Nuclear Sites* (Washington, DC: November 1993)

**TAB 8** Administrative Materials
Materials on Federal Advisory Committee Act

**Pocket:** Security Clearance Packet

*Sources and Documentation*

**Participants in the Public Comment Period**

1. Gwendon Plair, Concerned Relatives of Cancer Study Patients (CROCSP)

**Documentation**

The records of the First Meeting include: (1) Briefing book; (2) Supplemental materials; (3) Jeff Kahn's meeting notes; and (4) Transcript. No minutes were created for this meeting.

**SECOND MEETING (May 18-19, 1994, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**MAY 18-19, 1994**
**The Ramada Plaza Hotel --Washington Room--10 Thomas Circle, NW--Washington, DC**
**FINAL AGENDA**

**Wednesday, May 18**

| | |
|---|---|
| 9:00 AM | Call to Order<br>*Philip Caplan, Special Assistant to the President for Cabinet Affairs* |
| 9:05 | Welcome and Orientation to Second Meeting<br>*Ruth Faden, Chair* |
| 9:10 | Staff Introductions<br>*Ruth Faden* |
| 9:15 | Briefing: Health Effects of Radiation **(Tab D)**<br>*Henry Royal* |
| (9:50) | Committee Question and Answer Period<br>*Moderator: Ruth Faden* |
| 10:10 | Briefing: Ethical Principles of Human Experimentation **(Tab E)**<br>*Ruth Macklin* |
| (10:35) | Committee Question and Answer Period<br>*Moderator: Ruth Faden* |
| 10:50 | Break |
| 11:05 | Briefing: History of Human Experimentation In the United States **(Tab F)**<br>*Susan Lederer* |
| (11:35) | Committee Question and Answer Period<br>*Moderator: Ruth Faden* |
| 11:50 | Review of Agency Ethical Standards: Progress Report **(Tab I)**<br>*Staff Presentation: Jeffrey Kahn, Jeremy Sugarman* |
| (11:55) | Committee Discussion<br>*Moderator: Ruth Faden* |
| 12:30PM | Lunch |
| 1:45 | Methodological Case Study: "Cincinnati Experiments" **(Tab L)**<br>*Staff Presentation: Ron Neumann, Jonathan Engel* |
| (1:50) | Committee Discussion<br>*Moderator: Ruth Faden* |
| 2:25 | Methodological Case Study: Plutonium Injections Experiments **(Tab M)** |

*Sources and Documentation*

| | |
|---|---|
| | *Staff Presentation: Gregg Herken, Ron Neumann* |
| (2:30) | Committee Discussion |
| | *Moderator: Ruth Faden* |
| 3:00 | Break |
| 3:15 | Public Comment Period **(Tab K)** |
| | *Moderator: Ruth Faden* |
| 4:15 | Methodological Case Study: "Green Run" **(Tab N)** |
| | *Staff Presentation: Gil Whittemore, Gregg Herken* |
| | Committee Discussion |
| | *Moderator: Ruth Faden* |
| 5:00 | Meeting Adjourned |

## Thursday, May 19

| | |
|---|---|
| 9:00 AM | Opening Remarks |
| | *Ruth Faden* |
| 9:05 | Conflict of Interest Presentation |
| | *Kathleen Whalen, Assistant Counsel to the President* |
| (9:25) | Committee Question and Answer Period |
| | *Moderator: Ruth Faden* |
| 9:35 | Methodological Review of Agency Data Collection Efforts: Department of Energy **(Tab G)** |
| | *Staff Presentation: Dan Guttman, Faith Bulger, Jim David, Gregg Herken, Ron Neumann* |
| | Committee Discussion |
| | *Moderator: Dan Guttman* |
| 10:40 | Break |
| 10:55 | Methodological Review of Agency Data Collection Efforts: Department of Health and Human Services **(Tab H)** |
| | *Staff Presentation: Dan Guttman, Faith Bulger, Jim David, Gil Whittemore* |
| | Committee Discussion |
| | *Moderator Dan Guttman* |
| 12:00 PM | Lunch |
| 1:45 | Committee Discussion--Committee/Staff Working Relationships: Subcommittee on Public Outreach **(Tab J)** and and Formation of Other Subcommittees |
| | *Moderator Ruth Faden* |
| 2:55 | Closing Remarks |
| | *Ruth Faden* |
| 3:00 | Meeting Adjournment |

*Appendix F*

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #2 (May 18-19, 1994)**
**TABLE OF CONTENTS**


| | |
|---|---|
| **TAB A** | Agenda<br>Federal Register Notice of Meeting |
| **TAB B** | Advisory Committee Roster<br>Advisory Committee Staff Roster (as of May 11) |
| **TAB C** | Radiation Glossary |
| **TAB D** | Outline for Committee Briefing by Henry Royal: "Health Effects of Radiation"<br>Background Materials on Radiation |
| **TAB E** | Background Materials for Committee Briefing by Ruth Macklin on Ethical Principles of Human Experimentation |
| **TAB F** | Background Materials for Committee Briefing by Susan Lederer on History of Human Experimentation in the United States |
| **TAB G** | Staff Memo--Methodological Review of Agency Data Collection Efforts: Department of Energy |
| **TAB H** | Staff Memo--Methodological Review of Agency Data Collection Efforts: Department of Health and Human Services |
| **TAB I** | Staff Memo--Progress Report on Collection of Agency Ethical Standards on Human Experimentation |
| **TAB J** | Staff Memo--Public Outreach Options |
| **TAB K** | Public Comment Submissions |
| **TAB L** | Staff Memo--Methodological Case Study: "Cincinnati Experiments" |
| **TAB M** | Staff Memo--Methodological Case Study: "Plutonium Injection Experiments" |
| **TAB N** | Staff Memo--Methodological Case Study: "Green Run" |
| **TAB O** | Staff Memo--Deposition of Federal Records |
| **Pocket:** | Katz, Jay, Human Experimentation and Human Rights, 38 *Saint Louis University Law Journal* 7-54 (Fall 1993) |


## Participants in the Public Comment Period

1. Cooper Brown, National Association for Radiation Victims
2. Wally Cummins, Radiation Health Effects Public Law Group
3. Fred Allingham, National Association of Radiation Survivors
4. Daryl Kimball, Physicians for Social Responsibility

**Documentation**

The records of the Second Meeting include: (1) Briefing book; (2) Supplemental

materials; (3) Public comments/materials; (4) Videotapes of committee member presenations on May 18; (5) Slides/negatives from Henry Royal's May 18 presentation; (6) Transcript; (7) Minutes.

**THIRD MEETING (June 13-14, 1994, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**JUNE 13,14, 1994**
**The Ramada Plaza Hotel--Washington Room--10 Thomas Circle, NW--Washington, D.C.**
**AGENDA**

**Monday, June 13**

| | |
|---|---|
| 9:30 AM | Call to Order |
| 9:35 | Welcome and Orientation to Meeting<br>*Ruth Faden* |
| 9:40 | Introduction: New Staff<br>*Jeffrey Kahn* |
| 9:45 | Approval of Minutes of May 18-19, 1994 Meeting<br>*Ruth Faden* |
| 9:50 | Briefing: Introduction to Remedies<br>*Ken Feinberg* |
| (10:20) | Committee Question and Answer Period |
| 10:35 | Briefing: Risk Communication<br>*Steve Klaidman* |
| (11:00) | Committee Question and Answer Period |
| 11:10 | Break |
| 11:25 | Overview of Staff Work<br>*Dan Guttman* |
| 11:35 | Staff Report: Update on Ethics Data Collection Efforts<br>*Jonathan Moreno* |
| 11:45 | Staff Report: Methodological Review of Agency Data Collection Efforts--Department of Defense<br>*Jim David and Dan Guttman* |
| 12:30 PM | Lunch |
| 2:00 | Staff Report: Methodological Review of Agency Data Collection Efforts-Department of Veterans Affairs<br>*Denise Holmes and Dan Guttman* |
| 2:45 | Staff Report: Update on Methodological Review of Agency Data Collection Efforts-- Department of Energy<br>*Jim David and Dan Guttman* |
| 3:00 | Staff Report: Update on Methodological Review of Agency Data Collection Efforts-- Department of Health and Human Services |

| | |
|---|---|
| | *Faith Bulger and Dan Guttman* |
| 3:15 | Review of Progress of Agency Data Collection |
| | *Don Weightman* |
| 3:30 | Committee Question and Answer Period |
| 3:45 | Break |
| 4:00 | Public Comments |
| 5:00 | Meeting Adjourned |

**Tuesday, June 14**

| | |
|---|---|
| 9:00 AM | Opening Remarks |
| | *Ruth Faden* |
| 9:05 | Reports from Subcommittees |
| | *Moderator: Ruth Faden* |
| 12:00 PM | Lunch |
| 1:30 | Meetings of Subcommittees |
| 3:00 | Meeting Adjournment |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #3 (JUNE 13-14, 1994)**
**TABLE OF CONTENTS**


| | |
|---|---|
| **TAB A** | Agenda |
| | Federal Register Notice of Meeting |
| **TAB B** | Advisory Committee Roster |
| | Advisory Committee Staff Roster (as of June 6) |
| | Advisory Committee Staff Bios (as of June 6) |
| **TAB C** | Subcommittees |
| **TAB D** | Meeting Timetable and Report Deadlines |
| **TAB E** | Chronology of Congressional Hearings on Radiation and Human Research |
| **TAB F** | Background Materials on Radiation Experiments (includes relevant materials excerpted from briefing materials prepared for May 18-19, 1994 symposium on "Openness and Secrecy: Symposium on Establishing Accountability in the Nuclear Age," sponsored by the National Press Club in cooperation with the Department of Energy, and convened by the Government Accountability Project, The Information Trust and the Fund for Constitutional Government). |
| **TAB G** | Background Materials for Committee Briefing by Ken Feinberg "Introduction to Remedies" |
| **TAB H** | Staff Memorandum--Follow-Up: Ethics |

*Appendix F*

| | |
|---|---|
| **TAB I** | Staff Memorandum--Methodological Review of Agency Data Collection Efforts: Department of Veteran Affairs |
| **TAB J** | Staff Memorandum--Methodological Review of Agency Data Collection Efforts: Department of Defense |
| **TAB K** | Staff Memoranda--Follow-up Reports: Department of Energy Department of Health and Human Services |
| **TAB L** | Staff Memorandum--Update on Methodological Case Studies ("Cincinnati Experiments," "Plutonium Injection Experiments," "Green Run") |

**Participants in the Public Comment Period**

1. Tod Ensign, Citizen Soldier, NY
2. John McCarthy, Sacramento Radiation Survivors Group
3. Thomas Smith, National Association of Radiation Survivors
4. Pat Broudy, National Association of Atomic Veterans

**Documentation**

The records of the Third Meeting include: (1) Briefing book; (2) Supplemental materials; (3) Videotapes of committee member presentations on June 13; (4) Transcript; (5) Minutes.

**FOURTH MEETING (July 5-6, 1994, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**JULY 5-6, 1994**
**Washington Vista Hotel--Ballrooms A and B--1400 M Street, NW--Washington, DC**
**AGENDA**

**Tuesday, July 5**

| | |
|---|---|
| 11:00 AM | Call to Order |
| 11:05 | Welcome and Orientation to Meeting<br>*Ruth Faden, Chair* |
| 11:10 | Staff Report: Update on Ethics Data Collection Efforts (TAB L)<br>*Jonathan Moreno* |
| 11:20 | Reports from Subcommittees (TAB 1)<br>*Moderator: Ruth Faden* |
| 12:30 PM | Lunch |
| 1:45 | Reports from Subcommittees (Continued)<br>*Moderator: Ruth Faden* |
| 2:45 | New Staff Introductions, Staff Structure and Current Project Assignments (TAB C)<br>*Jeffrey Kahn* |
| 2:50 | Committee Discussion of Goals and Objectives of the Advisory Committee<br>*Moderator: Ruth Faden* |
| 3:45 | Break |
| 4:00 | Public Comment |
| 5:30 | Meeting Adjourned |

**Wednesday, July 6**

| | |
|---|---|
| 9:00 AM | Opening Remarks<br>*Ruth Faden* |
| 9:05 | Approval of Minutes of June 13-14 Meeting<br>*Ruth Faden* |
| 9:10 | Briefing: History of Human Experimentation (TAB F)<br>*Jay Katz* |
| (9:50) | Committee Question and Answer Period |

| | |
|---|---|
| 10:15 | Staff Report: Methodological Review of Agency Data Collection Efforts--Central Intelligence Agency (TAB J)<br>*Dan Guttman and Gary Stern* |
| 10:35 | Staff Report: Methodological Review of Agency Data Collection Efforts--National Aeronautics and Space Administration (TAB K)<br>*Dan Guttman and Mark Goodman* |
| 10:55 | Update on Agency Data Collection Efforts: Other Agencies<br>*Ruth Faden* |
| 11:00 | Break |
| 11:15 | Overview of Information System Management and Experimental Groupings (TAB O)<br>*Dan Guttman* |
| (11:20) | Information System Management<br>*David Saumweber* |
| (11:25) | Pilot Project: Abstraction of Markey Report Experiments<br>*Gil Whittemore and Jonathan Engel* |
| (11:35) | Possible Grouping: Total Body Irradiation<br>*Dan Guttman, Gary Stern, Mark Goodman and Ron Neumann* |
| (11:40) | Possible Grouping: Radiological Warfare<br>*Dan Guttman and Gregg Herken* |
| (11:45) | Possible Grouping: Intentional Releases<br>*Dan Guttman and Gregg Herken* |
| (11:50) | Possible Grouping: Government Purpose<br>*Dan Guttman and Jim David* |
| (11:55) | Committee Discussion<br>*Moderator: Ruth Faden* |
| 12:15 PM | Lunch |
| 1:30 | Revisit Discussion of Goals and Objectives<br>*Moderator: Ruth Faden* |
| 2:55 | Closing Remarks<br>*Ruth Faden* |
| 3:00 | Meeting Adjournment |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #4 (JULY 5-6, 1994)**
**TABLE OF CONTENTS**


| | |
|---|---|
| **TAB A** | Agenda<br>Federal Register Notice of Meeting |
| **TAB B** | Advisory Committee Roster<br>Subcommittee Roster |
| **TAB C** | Advisory Committee Staff Roster<br>Advisory Committee Staff Bios<br>Staff Structure and Organization<br>Current Staff Project Assignments |
| **TAB D** | Meeting Timetable and Report Deadlines<br>Meeting Locations |
| **TAB E-1** | Excerpt from: A Report on the Use of Radioactive Materials in Human Subject Research that Involved Residents of State-Operated Facilities within the Commonwealth of Massachusetts from 1943 through 1973. |
| **TAB E-2** | Background Reading:<br>• Report (complete): A Report on the Use of Radioactive Materials in Human Subject Research that Involved Residents of State-Operated Facilities within the Commonwealth of Massachusetts from 1943 through 1973<br>• Article: A Crystal Ball in the Shadows of Nuremberg and Hiroshima: The Ethical Debate Over Human Experimentation to Develop a Nuclear-Powered Bomber.<br>• Transcripts of Selected Interview conducted by J. Newell Stannard<br>• Recently Proposed Congressional Legislation |
| **TAB F** | Background Materials for Committee Briefing by Jay Katz "History of Human Experimentation" |
| **TAB G** | Chronology of Congressional Hearings Related to Human Research and Radiation |
| **TAB H** | Agency Responses on Declassification Request |
| **TAB I** | Proposal from Outreach Subcommittee |
| **TAB J** | Staff Memorandum--Methodological Review of Agency Data Collection Efforts: Initial Report on the Central Intelligence Agency Document Search |
| **TAB K** | Staff Memorandum--Methodological Review of Agency Data Collection Efforts: Initial Report on the National Aeronautics and Space Administration |
| **TAB L** | Staff Memorandum--Ethics Follow-Up |

| | |
|---|---|
| **TAB M** | Staff Memorandum--Information System Development |
| **TAB N** | Staff Memorandum--Trial Run of "Data Entry Form: Experiments of Interest" |
| **TAB O** | Staff Memorandum--Groupings of Experiments: A Methodological Overview |
| **TAB O-1** | Staff Memorandum on Documentation of Government Purpose: Military Program Research |
| **TAB O-2** | Staff Memorandum on Total Body Irradiation--An Overview |
| **TAB O-3** | Staff Memorandum on Intentional Releases |
| **TAB O-4** | Staff Memorandum on Historical Background on Radiological Warfare (RW) and Human Experiments |
| **TAB P** | Staff Memorandum--Materials from Secretary O'Leary's June 27, 1994 Openness Press Conference. |

**Participants in the Public Comment Period**

1. Wilfred Kendall, Representative of the Embassy of the Republic of the Marshall Islands
2. Tony deBrum, Representative of the Embassy of the Republic of the Marshall Islands
3. Jonathen Weisgall, Attorney representing Bikini Islands
4. Cooper Brown, National Committee for Radiation Victims

**Documentation**

The records of the Fourth Meeting include: (1) Briefing book; (2) Public comments/materials; (3) Videotapes of committee member presentations on July 6; (4)Transcripts; (5) Minutes.

*Sources and Documentation*

**FIFTH MEETING (July 25-26, 1994, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**JULY 25-26, 1994**
**Stouffer Mayflower Hotel--1127 Connecticut Avenue, N.W.--Washington, D.C. 20036**

**FINAL AGENDA**

**Monday July 25 (Colonial Room)**

| | |
|---|---|
| 9:00 am | Call to Order |
| 9:05 am | Welcome and Orientation to Meeting<br>*Ruth Faden, Chair* |
| 9:10 am | Briefing: Regulation of Contemporary Radioactive Drug Research (Tab L)<br>*Barry Siegel, Professor of Radiology and Medicine and Director of the Division of Nuclear Medicine, Mallinckrodt Institute of Radiology* |
| (9:30 am) | Committee Question and Answer Period |
| 9:45 am | Briefing: History of Radiation Protection Standards (Tab M)<br>*Gil Whittemore* |
| (10:00 am) | Committee Question and Answer Period |
| 10:10 am | Briefing: An Epidemiologic Perspective on Low-Dose Radiation Risks (Tab N)<br>*Duncan Thomas* |
| (10:40 am) | Committee Question and Answer Period |
| 10:50 am | Break |
| 11:05 | Update on Agency Data Collection Efforts<br>*Ruth Faden* |
| 11:20 am | Staff Reports: Early History (1940s and 1950s) (Tab F)<br>Overview<br>*Ruth Faden, Dan Guttman* |
| (11:25 am) | History of Ethics Policies relating to Human Radiation Experiments<br>*Jonathan Moreno* |
| (11:30 am) | "Functional" History of Human Radiation Experiments<br>*Gregg Herken* |
| (11:35 am) | History of Government Regulation and Control of Human Radiation Experiments<br>*Dan Guttman* |
| (11:40 am) | Committee Question and Answer Period |
| 12:30 pm | Lunch |

| | |
|---|---|
| 1:45 pm | New Staff Introductions, Staff Structure and Current Project Assignments (Tab C)<br>*Jeffrey Kahn* |
| 1:55 pm | Staff Report: Experimental Grouping -- Total Body Irradiation (Tab H)<br>*Gary Stern, Ron Neumann, Dan Guttman* |
| (2:05 pm) | Committee Question and Answer Period |
| 2:30 pm | Staff Report: Abstraction of "Markey Experiments" and Department of Energy Experiments (Tab I)<br>*Gil Whittemore, Jonathan Engel, Dan Guttman* |
| (2:40 pm) | Committee Question and Answer Period |
| 3:10 pm | Break |
| 3:30 pm | Public Comment Period (Tab P) |
| 5:00 pm | Meeting Adjourned |

**Tuesday, July 26 (State Room)**

| | |
|---|---|
| 9:00 am | Opening Remarks<br>*Ruth Faden* |
| 9:05 am | Approval of Minutes of July 5-6 Meeting<br>*Ruth Faden* |
| 9:10 am | Interim Report<br>*Ruth Faden* |
| 9:20 am | Reports from Subcommittees (Tab E) |
| 10:45 am | Break |
| 11:00 am | Committee Discussion of Goals and Objectives of the Advisory Committee, Experiment Groupings, and Restructuring of Committee Members' Work<br>*Moderator: Ruth Faden* |
| 12:30 pm | Lunch |
| 1:45 pm | Discussion of Goals and Objectives of the Advisory Committee, Experiment Groupings, and Restructuring of Committee Members' Work (continued)<br>*Moderator: Ruth Faden* |
| 3:00 pm | Meeting Adjourned |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #5 (JULY 25-26, 1994)**
**TABLE OF CONTENTS**


**TAB A** Agenda
Federal Register Notice of Meeting

**TAB B** Advisory Committee Roster
Subcommittee Rosters

**TAB C** Advisory Committee Staff Roster
Advisory Committee Staff Bios
Current Staff Project Assignments

**TAB D** Meeting Timetable and Report Deadlines
Meeting Locations

**TAB E** Reports and Proposals from Subcommittees
- Scope and Priorities
- Ethics Data Collection

**TAB F** Staff Memoranda: Early History (1940s and 1950s)
- Draft Summary of History of Ethics Policies relating to Human Radiation Experiments, AEC and DOE, 1942-1954
- Draft Outline for a "Functional" History of Human Radiation Experiments, 1942-1954
- Draft Outline of Early History of Government Regulation and Control of Human Radiation Experiments, 1942-1951
- Attachments to Memoranda

**TAB G** Staff Memorandum--Ethics Data Collection Follow-Up

**TAB H** Staff Memorandum--Total Body Irradiation: A Preliminary Narrative

**TAB I** Staff Memorandum--Abstraction of "Markey Report" experiments and recently identified Dept. of Energy experiments

**TAB J** Staff Memorandum: List of Intentional Releases and Experiments of Opportunity

**TAB K** Memoranda concerning sampling of experiments
- Memorandum from Duncan Thomas regarding proposed scheme for sampling experiments
- Memorandum from Gil Whittemore regarding preliminary plan for sampling large, undifferentiated lists of experiments

**TAB L** Background Materials for Committee Briefing by Barry Siegel: Regulation of Contemporary Radioactive Drug Research

**TAB M** Background Materials for Committee Briefing by Gil Whittemore: History of Radiation Protection Standards

**TAB N** Background Materials for committee Briefing by Duncan Thomas: An Epidemiologic Perspective on Low-Dose Radiation Risks

**TAB O** Background Reading
- Chronology of congressional Hearings Related to Human Research and Radiation
- Background Materials on Oral Histories

**TAB P** Statements and Background Materials for Public Comment Period

**Participants in the Public Comment Period**

1. Stewart Udall, Former U.S. Secretary of the Interior
2. Eugene Trani, Virginia Commonwealth University
3. Hermes Kontos, Virginia Commonwealth University
4. John Jones, Virginia Commonwealth University
5. Chris Zucker, Disability Advocates of New York, Inc., Albany, NY
6. Pat Broudy, National Association of Atomic Veterans
7. Oscar Rosen, National Association of Atomic Veterans
8. Catherine Variano, South Bend, ID
9. Janet Gordon, Citizen's Call, UT

**Documentation**

The records of the Fifth Meeting include: (1) Briefing book; (2) Supplemental materials; (3) Public comments/materials; (4) Slides from Barry Siegel's presentation on July 25; (5) Videotape of committee member presentations July 25; (6) Transcript; (7) Minutes.

*Sources and Documentation*

**SIXTH MEETING (September 12-13, 1994, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**SEPTEMBER 12-13, 1994**
**The Ramada Plaza Hotel--Federal Hall--10 Thomas Circle, NW--Washington, D.C.**
**AGENDA**

**Monday, September 12**

| | |
|---|---|
| 9:00 AM | Call to Order<br>*Phil Caplan, Special Assistant to the President for Cabinet Affairs* |
| 9:05 | Welcome and Orientation to Meeting<br>*Ruth Faden, Chair* |
| 9:10 | New Staff Introductions, Staff Structure and Current Project Assignments (TAB C)<br>*Jeffrey Kahn* |
| 9:15 | Approval of Minutes of July 25-26, 1994 Meeting<br>*Ruth Faden* |
| 9:20 | Staff Report: Update on Ethics Policies and Procedures (TAB I)<br>*Jonathan Moreno* |
| 9:45 | Staff Report: Human Experimentation in Connection with Atomic Bomb Tests (TAB F)<br>*Gregg Herken and Dan Guttman* |
| 10:25 | Break |
| 10:45 | Staff Report: Management Theme: Pilot Case Study (TAB G)<br>Oak Ridge<br>*Donald Weightman and Dan Guttman*<br>Los Alamos<br>*Barbara Berney and Dan Guttman* |
| 11:25 | Update on Agency Data Collection Efforts (TAB H)<br>*Ruth Faden* |
| 11:45 | Reports from Subcommittees<br>Oral History (TAB E)<br>*Sue Lederer* |
| 12:10 | Lunch |
| 1:30 | Reports from Subcommittees<br>Outreach<br>*Reed Tuckson*<br>Protocol Review (TAB E)<br>*Ruth Macklin and Jay Katz* |

Subject Interviews (TAB E)
*Ruth Faden*
Intentional Releases and Exposures/Experiments of Opportunity (TAB L)
*Nancy Oleinick and Duncan Thomas*
Biomedical Research
*Mary Ann Stevenson*

3:30 Break
3:45 Public Comment Period
5:00 Meeting Adjourned

**Tuesday, September 13**

9:00 AM Opening Remarks
*Ruth Faden*
9:05 Briefing: Radiation Dosimetry
*Henry Royal*
9:35 Discussion of Committee Strategy and Direction
*Moderator: Ruth Faden*
10:30 Break
10:45 Discussion of Committee Strategy and Direction (continued)
*Moderator: Ruth Faden*
12:00 Lunch
1:20 Declassification Procedures
*Donald Weightman*
1:35 Interim Report
*Dan Guttman and Anna Mastroianni*
1:50 Discussion of Committee Strategy and Direction (continued)
*Moderator: Ruth Faden*
2:55 Closing Remarks
*Ruth Faden*
3:00 Meeting Adjourned
*Phil Caplan, Special Assistant to the President for Cabinet Affairs*

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #6 (SEPTEMBER 12-13, 1994)**
**TABLE OF CONTENTS**

**TAB A** Agenda
**TAB B** Advisory Committee Roster
Subcommittee Rosters

*Sources and Documentation*

| | |
|---|---|
| **TAB C** | Advisory Committee Staff Roster |
| | Advisory Committee Staff Bios |
| | Current Staff Structure |
| | Current Staff Project Assignments |
| **TAB D** | Meeting Timetable and Report Deadlines |
| | Meeting Locations |
| **TAB E** | Reports and Proposals from Subcommittees |
| **TAB F** | Staff Memoranda: Atomic Veterans |
| **TAB G** | Staff Memorandum: Management Theme: Pilot Case Study |
| **TAB H** | Communications and Documentation relating to Agency Searches |
| **TAB I** | Staff Memorandum: Ethics Data Collection Follow-Up |
| **TAB J** | Staff Memorandum: Update on Experimental Mapping: Navy and Air Force Experiments |
| **TAB K** | Staff Memorandum: Information System Development/Database Development and Capabilities |
| **TAB L** | Staff Memorandum: Intentional Releases of Radioactivity |
| **TAB M** | Statements and Background Materials for Public Comment Period |
| **TAB N** | Background Reading |
| **TAB O** | Working List of Acronyms |

## Participants in the Public Comment Period

1. Ruth Blaz, Hollywood, FL
2. Cliff Honicker , Environmental Health Studies Project, Knoxville, TN
3. Francis Brown, Southwick, MA
4. Tod Ensign, Citizen Soldier, NY
5. Pat Broudy, National Association of Atomic Veterans

### Documentation

The records of the Sixth Meeting include: (1) Briefing book; (2) Supplemental material; (3) Public comments/materials; (4) Transcript; (5) Minutes.

**SEVENTH MEETING (October 12-13, 1994, San Francisco, California)**

**Final Agenda**

**PUBLIC MEETING**
**OCTOBER 11-13, 1994**
**The Press Club of San Francisco--555 Post Street-- San Francisco, CA**
**AGENDA**

**Tuesday October 11**

| | |
|---|---|
| 2:00 PM | Call to Order |
| 2:05 | Opening Remarks<br>*Ruth Faden, Chair* |
| 2:15 | Approval of Minutes of September 12-13, 1994 Meeting<br>*Ruth Faden* |
| 2:20 | Agency Updates<br>*Ruth Faden* |
| 2:40 | Reports from Subcommittees |
| 3:45 | Break |
| 4:00 | Reports from Subcommittees (continued) |
| 5:30 | Meeting Adjourned |

**Wednesday, October 12, 1994**

| | |
|---|---|
| 8:00 AM | Opening Remarks<br>*Ruth Faden, Chair* |
| 8:05 | Public Comments |
| 10:00 | Break |
| 10:15 | Public Comments (continued) |
| 12:15 PM | Lunch |
| 1:45 | Staff Report - Contemporary Ethics Policies and Practices<br>*Jeff Kahn and Jonathan Moreno* |
| 2:00 | Staff Report - Case Study: Plutonium Injections<br>*Gregg Herken, John Harbert, and Jonathan Moreno* |
| 3:30 | Break |
| 3:45 | Staff Report - Institutional Case Study Selection<br>*Donald Weightman and Barbara Berney* |
| 4:30 | Meeting Adjourned |

*Sources and Documentation*

**Thursday, October 13**

| | |
|---|---|
| 8:00 AM | Opening Remarks<br>*Ruth Faden, Chair* |
| 8:05 | Discussion of Interim Report |
| 10:00 | Break |
| 10:15 | Discussion of Committee Strategy and Direction<br>*Ruth Faden* |
| 11:45 | Meeting Adjourned |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #7 (OCTOBER 11-13, 1994)**
**TABLE OF CONTENTS**


| | |
|---|---|
| **TAB A** | Agenda<br>Federal Register Notice of Meeting |
| **TAB B** | Advisory Committee Roster<br>Subcommittee Rosters |
| **TAB C** | Advisory Committee Staff & Consultant Roster<br>Advisory Committee Staff & Consultant Bios (New hires only) |
| **TAB D** | Meeting Timetable and Report Deadlines<br>Meeting Locations |
| **TAB E** | Reports and Proposals from Subcommittees |
| **TAB F** | Current Ethics Policies and Practices |
| **TAB G** | Staff Memorandum<br>• Overview of Plutonium Case Study Memoranda<br>• Approach to Ethical Analysis of Historical Case Studies in Light of Current Ethical Standards<br>• Historical Background on Plutonium Injections<br>• Plutonium Injections Case Study: Ethical Analysis |
| **TAB H** | Staff Memorandum - Institutional Case Study Selection |
| **TAB I** | Staff Memorandum - Biomedical Experiments Case Studies |
| **TAB J** | Staff Memorandum - Overview of Radiation Exposure Compensation Programs |
| **TAB K** | Working List of Acronyms |
| **TAB L** | Ethics Policies Update |


**Participants in the Public Comment Period**

1. Nancy Lynch, Santa Barbara, CA

2. Jackie Maxwell, Menlo Park, CA
3. Vernon Sousa, San Francisco, CA
4. Gwynne Borroughs, Chico, CA
5. Israel Torres, Niporno, CA
6. Audrey Hack, Union City, CA
7. Richard Harley, Bakersfield, CA
8. Donald Arbitblit, San Francisco, CA
9. Geoffrey Sea, International Radiation Survivors, Oakland, CA
10. Harold Bibeau, Portland, OR
11. Cheri Anderson, Placerville, CA
12. Tom Wilson, Placerville, CA
13. Michael Yesley, Los Alamos National Laboratory
14. Lynn Stembridge, Hanford Education Action League, Spokane, WA
15. Trisha Pritikin, Berkeley, CA
16. Lois Camp, Hanford Downwinder Health Effects Group
17. Darcy Thrall, Richland, WA
18. Dr. Bernard Lo, San Francisco, CA
19. Jackie Cabasso, Oakland, CA
20. Marylie Kelly, Livermore, CA

**Documentation**

The records of the Seventh Meeting include: (1) Briefing book; (2) Public comments/materials; (3) Videotapes--Deposition of Emma Craft; (4) Transcript; (5) Minutes.

*Sources and Documentation*

**EIGHTH MEETING (November 14-15, 1994, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**NOVEMBER 14-15, 1994**
**The Renaissance Techworld Hotel _ 999 9th Street NW _ Washington, DC**
**AGENDA**

**Monday, November 14, 1994**

| | |
|---|---|
| 9:00 AM | Call to Order |
| 9:05 | Opening Remarks<br>*Ruth Faden, Chair* |
| 9:10 | Approval of Minutes of October 11-13, 1994 Meeting<br>*Ruth Faden* |
| 9:15 | Agency Updates<br>*Ruth Faden* |
| 9:35 | Report on Cincinnati Small Panel Meeting<br>*Reed Tuckson* |
| 9:50 | Report: Subject Interview Study<br>*Jeremy Sugarman and Nancy Kass* |
| 10:10 | Historical Relativism and Retrospective Moral Judgment<br>*Ruth Macklin* |
| 11:00 | Break |
| 11:15 | Report: Case Study-Radiation Research with Healthy Adults<br>Overview<br>*Dan Guttman*<br>Testicular Irradiation of Prisoners<br>*Steve Klaidman and Jon Harkness* |
| 12:30 PM | Lunch |
| 1:45 | Report: Case Study-External Radiation Research with Patients<br>*Gary Stern and Ron Neumann* |
| 3:05 | Update: Institutional Case Studies<br>*Don Weightman and Gregg Herken* |
| 3:15 | Break |
| 3:30 | Remedies<br>*Ken Feinberg, Gary Stern and Faith Bulger* |
| 4:30 | Update: Research Involving or Affecting Children<br>*Sandra Thomas* |

| | |
|---|---|
| 4:40 | Update: Biodistribution and Radioisotope Research<br>*Barbara Berney* |
| 5:00 | Meeting Adjourned |

**Tuesday, November 15, 1994**

| | |
|---|---|
| 9:00 AM | Remedies<br>*Ken Feinberg* |
| 10:00 | Report: Research Proposal Review Project<br>*Ruth Macklin, Sara Chandros and Gail Geller* |
| 10:30 | Break |
| 10:45 | Public Comment Session |
| 12:15 PM | Lunch |
| 1:30 | Environmental Dosimetry<br>*John Till* |
| 2:00 | Report: Case Study - Intentional Releases (Green Run)<br>*Dan Guttman, Mark Goodman, and Patrick Fitzgerald* |
| 3:00 | Declassification<br>*Dan Guttman* |
| 3:10 | Break |
| 3:20 | Committee Discussion: Strategy and Direction<br>*Moderator: Ruth Faden* |
| 5:00 | Meeting Adjourned |

**Briefing Book Table of Contents**

## BRIEFING BOOK
## MEETING #8 (NOVEMBER 14-15, 1994)
## TABLE OF CONTENTS


| | |
|---|---|
| **TAB A** | Agenda<br>Federal Register Notice of Meeting |
| **TAB B** | Advisory Committee Roster<br>Subcommittee Rosters |
| **TAB C** | Advisory Committee Staff & Consultant Roster<br>Advisory Committee Staff & Consultant Bios (New hires only)<br>Project Assignment List |
| **TAB D** | Meeting Timetable and Report Deadlines<br>Meeting Locations |
| **TAB E** | Staff Memorandum: Radiation Research With Healthy Adults: Overview<br>Staff Memorandum: Experiments on Prisoners |
| **TAB F** | Staff Memorandum: Documentary Update on Human Experimentation Data |

*Sources and Documentation*

| | |
|---|---|
| | Gathering in Connection with Atomic Bomb Tests |
| **TAB G** | Staff Memorandum: Use of External Radiation on Patients: Analysis of Total-Body Irradiation Research On Radioresistant Cancers, 1940-74 |
| **TAB H** | Staff Memorandum: Green Run Case Study |
| **TAB I** | Memorandum: Update on Cincinnati Small Panel Meeting October 21, 1994 |
| **TAB J** | Staff Memorandum: Background Materials on Mid-Century HHS Radiation Research Activities |
| **TAB K** | Staff Memorandum: Ethics Document Collection Follow-Up |
| **TAB L** | Remedies |
| **TAB M** | Working List of Terms and Acronyms |

**Participants in the Public Comment Period**

1. Marcia Haggard, Silver Spring, MD
2. Dr. Kathy Platoni, Beaver Creek, OH
3. Dr. Dennis Nelson, Kensington, MD
4. Mayor George Ahmaogak, North Slope Borough Assembly, AK
5. Rossman Peetok, North Slope Borrough Assembly, AK

**Documentation**

The records of the Eighth Meeting include: (1) Briefing book; (2) Supplemental materials; (3) Public comments/materials; (4) Transcript; (6) Minutes.

**NINTH MEETING (December 15-16, 1994, Washington, D. C.)**

## Final Agenda

**PUBLIC MEETING**
**DECEMBER 15-16**
**Omni Shoreham Hotel--Empire Room--2500 Calvert Street NW--Washington, DC**
**FINAL AGENDA**

**Thursday, December 15, 1994**

| | |
|---|---|
| 9:00 AM | Call to Order |
| 9:05 | Opening Remarks<br>*Ruth Faden, Chair* |
| 9:10 | Approval of Minutes of November 14-15 Meeting<br>*Ruth Faden* |
| 9:15 | Committee Discussion: Retrospective Moral Judgment - Criteria for Evaluating the Ethics of Experiments [TAB F] |
| 10:30 | Break |
| 10:45 | Committee Discussion: Remedies [TAB G] |
| 12:15 PM | Lunch |
| 1:30 | Committee Discussion: Integration of Retrospective Moral Judgment and Remedies [TAB H] |
| 2:30 | Committee Discussion: Historical Ethics Policies [SUPPLEMENT] |
| 3:00 | Break |
| 3:15 | Committee Discussion: Historical Ethics Policies (continued)<br>Committee Discussion: Integration of Retrospective Moral Judgment, Remedies, and Historical Ethics Policies [TAB H] |
| 5:00 | Meeting Adjourned |

**Friday, December 16, 1994**

| | |
|---|---|
| 8:00 AM | Opening Remarks<br>*Ruth Faden* |
| 8:05 | Public Comment Period |
| 10:00 | Break |
| 10:15 | Committee Discussion: Integration of Retrospective Moral Judgment, Remedies, and Historical Ethics Policies (continued) [TAB H] |
| 11:45 | Lunch |
| 1:15 PM | Committee Discussion: Integration of Retrospective Moral Judgment, Remedies, and Historical Ethics Policies (continued) [TAB H]<br>Committee Strategy and Direction |

*Sources and Documentation*

| | |
|---|---|
| 2:45 | Break |
| 3:00 | Report on Spokane Small Panel Meeting [TAB E]<br>*Reed Tuckson*<br>Final Report & Appendices<br>*Ruth Faden* |
| 5:00 | Meeting Adjourned |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #9 (DECEMBER 15-16 1994)**
**TABLE OF CONTENTS**


| | |
|---|---|
| **TAB A** | Agenda<br>Federal Register Notice of Meeting<br>Executive Order<br>Charter |
| **TAB B** | Advisory Committee Roster<br>Subcommittee Rosters |
| **TAB C** | Advisory Committee Staff & Consultant Roster<br>Advisory Committee Staff & Consultant Bios (recent hires only)<br>Current Staff Structure<br>Current Staff Project Assignments List |
| **TAB D** | Meeting Timetable and Report Deadlines<br>Future Meeting Locations |
| **TAB E** | Staff Memoranda: Report on Spokane Meeting and Hanford Visit |
| **TAB F** | Memoranda on Retrospective Moral Judgment<br>Ethical Relativism and Retrospective Moral Judgment<br>*Allen Buchanan*<br>A Framework For Making Retrospective Ethical Judgments<br>*Ruth Macklin* |
| **TAB G** | Staff Memorandum: Remedies |
| **TAB H** | Staff Memorandum: Retrospective Moral Judgment & Remedies: A Combined Conceptual Framework |
| **TAB I** | Staff Memoranda: Documentary Updates<br>Additional Document Retrieval from the Department of Energy's Oak Ridge Site: Plutonium Injection Experiment and the Ethics of Occupational Exposure Data Gathering<br>Documents Retrieved from the Oak Ridge Operations: The Atomic Energy Commission's Review of Reports on Human Experiments and the Public Relations and Legal Liability Consequences<br>Update on Atomic Medicine Division |

Additional Documentation Regarding Hidden Rules of Governing
Disclosure of Biomedical Research
Background Materials on Mid-Century VA Radiation Research Activities

**TAB J** Staff Memorandum: Working List of Terms & Acronyms

**Participants in the Public Comment Period**

1. Doris Baker, Cincinnati, OH
2. Vina Colley, Portsmouth'Piketon Residents for Environmental Safety and Security
3. Diana Salisbury, Sardinia, OH
4. Lenore Fenn, Lexington, MA
5. Peter Lewis, Uniontown, PA
6. Professor Robert Proctor, Pennsylvania State University
7. William Jackling, Honeye Falls, NY
8. Fred Boyce, Norwell, MA
9. Pat Broudy, National Association of Atomic Veterans

**Documentation**

The records of the Ninth Meeting include: (1) Briefing book; (2) Supplemental materials;
(3) History of agency ethics policies and practices; (4) Public comments/materials; (5) Transcripts; (6) Minutes.

**TENTH MEETING (January 19-20, 1995, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**JANUARY 19-20, 1995**
**Omni Shoreham Hotel--Empire Room--2500 Calvert Street NW--Washington, DC**
**FINAL AGENDA**

**Thursday, January 19, 1995**

| | |
|---|---|
| 9:00 AM | Call to Order |
| 9:05 | Opening Remarks<br>*Ruth Faden, Chair* |
| 9:10 | Approval of Minutes of December 15-16 Meeting<br>*Ruth Faden* |
| 9:15 | Update on Subject Interview Study<br>*Jeremy Sugarman and Nancy Kass* |
| 9:30 | Update on Research Proposal Review Project<br>*Sara Chandros and Gail Geller* |
| 9:45 | Committee Discussion: Government Standards and Government Culpability (TAB F) |
| 10:45 | Break |
| 11:00 | Committee Discussion: Government Standards and Government Culpability (TAB F) (continued) |
| 12:15 PM | Lunch |
| 1:30 | Research Practices: Report on Ethics Oral History Project (TAB G)<br>*Susan Lederer*<br>Committee Discussion |
| 3:00 | Break |
| 3:15 | Committee Discussion: Individual and Professional Culpability (TAB E) |
| 5:00 | Meeting Adjourned |

**Friday, January 20, 1995**

| | |
|---|---|
| 8:00 AM | Opening Remarks<br>*Ruth Faden* |
| 8:05 | Public Comment Period |
| 10:00 | Break |
| 10:15 | Contemporary Agency Oversight (TAB H)<br>*Wilhelmine Miller*<br>Committee Discussion |

| | |
|---|---|
| 11:45 | Lunch |
| 1:15 PM | Committee Discussion: Total Body Irradiation |
| 2:15 | Committee Discussion: Final Report Planning |
| 3:15 | Break |
| 3:30 | Committee Discussion: Final Report Planning (continued) |
| 4:30 | Meeting Adjourned |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #10 (JANUARY 19-20, 1995)**
**TABLE OF CONTENTS**

**OVERVIEW**

**Table of Contents Reading Roadmap Overview Memo Primary Staff contacts**


**TAB A**
- A-1 Agenda
- A-2 Federal Register Notice of Meeting
- A-3 Executive Order
- A-4 Charter

**TAB B**
- B-1 Advisory Committee Roster
- B-2 Subcommittee Rosters

**TAB C**
- C-1 Advisory Committee Staff & Consultant Roster
- C-2 Advisory Committee Staff & Consultant Bios (new hires only)
- C-3 Current Staff Structure
- C-4 Current Staff Project Assignments List

**TAB D**
- D-1 Meeting Timetable and Report Deadlines
- D-2 Future Meeting Locations

**TAB E**
- Cover Memo
- E-1 Ethical Relativism and Retrospective Moral Judgment (revised) *Allen Buchanan*
- E-2 Ethical Criteria *Allen Buchanan*

**TAB F**
- Government Culpability:
- F-1 Atomic Energy Commission Ethics Policies (1947-1956), Applicability of AEC Policies to Other Government Agencies, and "Multiple Purpose" Research
- F-2 Department of Defense Multiple Experiments
- F-3 Experiments to which Atomic Energy Commission (AEC) Ethics Policies Would Have Applied
- F-4 Experiments to Which Department of Defense Ethics Policies Appeared to Have Applied

*Sources and Documentation*

**TAB G** Report from Ethics Oral History Interviews Regarding Practices of Researchers

**TAB H** Contemporary Agency Oversight

- H-1 History of Provisions of the Common Federal Policy for the Protection of Human Research Subjects ("Common Rule")
- H-2 Current Policies and Practices for the Oversight of Human Subjects Protections in Six Federal Agencies (HHS, DOD, VA, DOE, NASA, and CIA)

**TAB I** Documentary Updates

- I-1 Additional Documentation on the Plutonium Injection Experiments and Other Metabolism Experiments with Long-Lived Isotopes Conducted by the Manhattan Engineers District
- I-2 Documentary Update: NEPA Planning/Total Body Irradiation/ Psychological Testing
- I-3 Legal Protection of Military Research & Development (R&D) Contractors
- I-4 Questionnaire from HUMMRO Psychological Tests

**TAB J** Working List of Terms and Acronyms

## Participants in the Public Comment Period

1. Joan McCarthy
2. Charles McKay, Severna Park, MD
3. Pat Broudy, National Association of Atomic Veterans

## Documentation

The records of the Tenth Meeting include: (1) Briefing book; (2) Supplemental materials; (3) Public comments/materials; (4) Transcripts; (5) Minutes.

*Appendix F*

**ELEVENTH MEETING February 16-17, 1995, Washington, D. C.**

**Final Agenda**

**PUBLIC MEETING**
**FEBRUARY 15-17, 1995**
**Omni Shoreham Hotel--Blue Room--2500 Calvert Street NW--Washington, DC**
**FINAL AGENDA**

**Wednesday, February 15, 1995**

| | |
|---|---|
| 1:00 PM | Call to Order |
| 1:05 | Opening Remarks<br>*Ruth Faden, Chair* |
| 1:10 | Public Comment |
| 3:00 | Break |
| 3:15 | Approval of Minutes of January 19-20, 1995 Meeting<br>*Ruth Faden* |
| 3:20 | Update on Santa Fe Small Panel Meeting (TAB E)<br>*Reed Tuckson* |
| 3:40 | Update on Agency Oversight Project<br>*Wilhelmine Miller* |
| 3:50 | Committee Discussion: Experiments on Prisoners (REPORT DRAFT-PART II, CH. 4)<br>*Jon Harkness and Steve Klaidman* |
| 5:00 | Meeting Adjourned |

**Thursday, February 16, 1995**

| | |
|---|---|
| 9:00 AM | Opening Remarks<br>*Ruth Faden* |
| 9:05 | Committee Discussion: Intentional Releases (REPORT DRAFT-PART II, CH. 8)<br>*Mark Goodman and Patrick Fitzgerald* |
| 10:15 | Break |
| 10:30 | Committee Discussion: Experiments of Opportunity (REPORT DRAFT-PART II, CH.7)<br>*Barbara Berney, Gil Whittemore, and Faith Weiss* |
| 11:40 | Committee Discussion: Strategy and Direction<br>*Moderator: Ruth Faden* |
| 12:30 PM | Lunch |
| 1:45 | Committee Discussion: Human Experimentation in Connection with Atomic Bomb Tests (REPORT DRAFT- PART II, CH. 5) |

*Dan Guttman and Patrick Fitzgerald*

2:50 Committee Discussion: Experiments on Children (REPORT DRAFT- PART II, CH 3

*Jeff Botkin and Greg Moskun*

4:00 Break

4:15 Committee Discussion: Plutonium Experiments (TAB G)

5:00 Meeting Adjourned

**Friday, February 17, 1995**

8:00 AM Update on Research Proposal Review Project (HANDOUT)
*Sara Chandros*

8:35 Update on Subject Interview Study (HANDOUT)
*Jeremy Sugarman and Nancy Kass*

9:00 Committee Discussion: Professional Standards and Practices (REPORT DRAFT-PART I, CH. 4)
*Jon Harkness*

10:00 Break

10:15 Committee Discussion: Cold War Research Ethics Standards in Retrospect (REPORT DRAFT-PART I, CH. 5)
*Jonathan Moreno*

11:45 Lunch

1:00 Committee Discussion: Remedies (REPORT DRAFT - PART IV, CH 1)
*Gary Stern*

2:30 Break

2:45 Committee Discussion: Remedies (continued)
*Gary Stern*

3:45 Committee Strategy and Direction
*Ruth Faden*

4:15 Meeting Adjourned

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #11 (FEBRUARY 15-17, 1995)**
**TABLE OF CONTENTS**

**Table of Contents List of Staff Contacts Reading Roadmap Overview**

**TAB A** A-1 Agenda
A-2 Federal Register Notice of Meeting

| | | |
|---|---|---|
| | A-3 | Executive Order |
| | A-4 | Charter |
| **TAB B** | B-1 | Advisory Committee Roster |
| | B-2 | Subcommittee Rosters |
| **TAB C** | C-1 | Advisory Committee Staff & Consultant Roster |
| | C-2 | Advisory Committee Staff & Consultant Bios (New Hires Only) |
| | C-3 | Current Staff Structure |
| | C-4 | Current Staff Project Assignments List |
| **TAB D** | D-1 | Meeting Timetable and Report Deadlines |
| | D-2 | Future Meeting Locations |
| **TAB E** | Report on January 30, 1995 Santa Fe Small Panel Meeting | |
| **TAB F** | The Ethics of Bureaucratic Organizations<br>*Allen Buchanan* | |
| **TAB G** | Staff Memorandum: The Utility of the MED Plutonium and the Boston Project Uranium Injection Experiments | |
| **TAB H** | Staff Memorandum: The FDA Waiver of Informed Consent Requirements During Operation Desert Shield/Storm | |
| **TAB I** | Documentary Updates | |
| | I-1 | Staff Memorandum: Fallout Data Collection |
| | I-2 | Staff Memorandum: Transcript of Debate on the Need for Military-Purpose Human Experimentation |
| | I-3 | Staff Memorandum: CIA Documents Describing Human Radiation Experiments |
| | I-4 | Staff Memorandum: Update on Veterans Administration (VA) Confidential Atomic Medicine Division/Secret Record Keeping on Radiation Exposure in Anticipation of Liability Claims |
| | I-5 | Staff Memorandum: Army Review of Original Contract Proposal Submitted by Dr. Saenger; National Institutes of Health Review of Cincinnati Total-Body Irradiation Study |
| **TAB J** | A Working List of Terms & Acronyms | |

**Participants in the Public Comment Period**

1. Alex Reinhart, Braintree, MA
2. Wilfred Kimball, Embassy of the Republic of the Marshall Islands
3. Senator Henchi Balos, Republic of the Marshall Islands
4. Holly Barker, Embassy of the Republic of the Marshall Islands
5. Cooper Brown, National Committee for Radiaion Victims
6. Cliff Honicker, Knoxville, TN
7. Pat Broudy, National Association of Atomic Veterans
8. Jonathen Weisgall, Attorney representing the Bikini Islands

*Sources and Documentation*

**Documentation**

The records of the Eleventh Meeting include: (1) Briefing book; (2) Supplemental materials; (3) Public comment materials; (4) Transcripts; (5) Minutes.

**TWELFTH MEETING (March 15-17, 1995, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**MARCH 15-17, 1995**
**The Madison Hotel--Executive Chamber--15th & M Streets, NW--Washington, DC**
**AGENDA**

**Wednesday, March 15, 1995**

| | |
|---|---|
| 1:00 PM | Call to Order<br>Opening Remarks<br>*Ruth Faden, Chair* |
| 1:05 | Public Comment |
| 3:00 | Break |
| 3:15 | Approval of Minutes of February 15-17, 1995 Meeting<br>*Ruth Faden* |
| 3:20 | Update on Knoxville Small Panel Meeting<br>*Nancy Oleinick* |
| 3:40 | Setting the Tone for the Final Report |
| 5:00 | Meeting Adjourned |

**Thursday, March 16, 1995**

| | |
|---|---|
| 8:30 AM | Senator Paul D. Wellstone (D-MN) |
| 9:00 | Structure for the Final Report's Final Chapter: Format for (draft) "Findings" |
| 10: 15 | Break |
| 10:30 | Recommendations: Looking Backward (Remedies) |
| 12:00 PM | Lunch |
| 1:15 | Recommendations: Looking Backward (Remedies, continued - Medical Notification) |
| 3:00 | Break |
| 3:15 | Presentation: The Polar Research Board's Committee for Evaluation of 1950s Air Force Human Health Testing in Alaska using Radioisotope Iodine-131<br>*Chester M. Pierce, M.D., Chair of Evaluation Committee* |
| 4:30 | Meeting Adjourned |

**Friday, March 17, 1995**

| | |
|---|---|
| 8:00 AM | Update on Subject Interview Study (HANDOUT)<br>*Jeremy Sugarman, Nancy Kass* |

*Sources and Documentation*

| | |
|---|---|
| 9:00 | Update on Research Proposal Review Project (HANDOUT)<br>*Sara Chandros* |
| 10:15 | Break |
| 10:30 | Recommendations: Looking Forward |
| 12:00 | Lunch |
| 1:15 | Recommendations: Looking Forward (continued) |
| 2:30 | Break |
| 2:45 | Recommendations: Looking Forward (continued) |
| 4:00 | Meeting Adjourned |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #12 (MARCH 15-17, 1995)**
**TABLE OF CONTENTS**


**Reading Roadmap** **Overview Memo** **Primary Staff Contact List**

| | | |
|---|---|---|
| **TAB A** | A-1 | Agenda |
| | A-2 | Federal Register Notice of Meeting |
| | A-3 | Executive Order |
| | A-4 | Charter |
| **TAB B** | B-1 | Advisory Committee Roster |
| | B-2 | Subcommittee Rosters |
| **TAB C** | C-1 | Advisory Committee Staff & Consultant Roster |
| | C-2 | Advisory Committee Staff & Consultant Bios (New Hires Only) |
| | C-3 | Current Staff Structure |
| | C-4 | Current Staff Project Assignments List |
| **TAB D** | D-1 | Meeting Timetable and Report Deadlines |
| | D-2 | Future Meeting Locations |
| **TAB E** | Report on March 2, 1995 Knoxville Small Panel Meeting | |
| **TAB F** | UCSF Report and Related Materials | |
| | F-1 | "Report of the UCSF Ad Hoc Fact Finding Committee on World War II Human Radiation Experiments" |
| | F-2 | Appendix 33 of the "Report of the UCSF Ad Hoc Fact Finding Committee on World War II Human Radiation Experiments" |
| | F-3 | San Francisco Press Coverage |
| | F-4 | Staff Comments on UCSF Report |
| **TAB G** | Polar Research Board materials on Alaskan Native I-131 Testing | |
| **TAB H** | Documentary Updates | |
| | H-1 | Staff Memorandum: Government Planned to Put Downwinders at Risk to Understand Fallout |

H-2 Staff Memorandum: Debates Between the Atomic Energy Commission (AEC) and Department of Defense (DOD); Secrecy Policy Revealed

H-3 Staff Memorandum: Documentary Update on the Proposed Human Experimentation Related to Proposal for the Nuclear Energy Propulsion for Aircraft (NEPA)

**TAB I** A Working List of Terms & Acronyms

**Participants in the Public Comment Period**

1. Ernest Sternglass, University of Pittsburg
2. Elmerine Whitfield Bell, Dallas, TX
3. Cooper Brown, National Committee for Radiation Victims
4. Dr. Oscar Rosen, National Association for Atomic Veterans
5. Glenn Alcalay, New York, NY
6. Denise Nelson, Bethesda, MD
7. Chris DeNicola, New Orleans, LA
8. Valerie Wolfe, New Orleans, LA
9. Claudia Mullen, New Orleans, LA
10. Suzanne Starr, Chimayo, NM
11. Steven Schwartz, Washington, D.C.

**Documentation**

The records of the Twelfth Meeting include: (1) Briefing book; (2) Supplemental materials; (3) Public comments/materials; (4) Transcript; (5) Minutes.

*Sources and Documentation*

## THIRTEENTH MEETING (April 10-12, 1995, Washington, D. C.)

**Final Agenda**

**PUBLIC MEETING**
**APRIL 10-12, 1995**
**The Madison Hotel--Executive Chambers--15th & M Streets, NW--Washington, DC**
**FINAL AGENDA**

**Monday, April 10, 1995**

| | |
|---|---|
| 8:15 AM | Call to Order<br>Opening Remarks<br>*Ruth Faden, Chair* |
| 8:25 | Approval of Minutes of March 15-17, 1995 Meeting |
| 8:30 | Public Comment |
| 10:30 | Break |
| 10:45 | Update on Research Proposal Review Project (HANDOUT)<br>*Sara Chandros, Gail Geller, Shobita Parthasarathy* |
| 12:00 PM | Lunch |
| 1:15 | Update on Subject Interview Study (HANDOUT)<br>*Jeremy Sugarman, Nancy Kass, Steve Goodman* |
| 2:30 | Recommendations: Looking Forward (FINAL CHAPTER) |
| 3:15 | Break |
| 3:30 | Recommendations: Looking Forward (continued) |
| 5:00 | Meeting Adjourned |

**Tuesday, April 11, 1995**

| | |
|---|---|
| 8:30 AM | Committee Discussion: Intentional Releases (CHAPTER DRAFT) |
| 9:15 | Committee Discussion: Human Experimentation in Connection with Atomic Bomb Tests (CHAPTER DRAFT) |
| 10:00 | Break |
| 10:15 | Committee Discussion: Observational Studies (CHAPTER DRAFT) |
| 11:15 | Committee Discussion: Professional Standards and Practices, 1946-1966 (CHAPTER DRAFT) |
| 12:00 | Lunch |
| 1:15 | Committee Discussion: Findings (FINAL CHAPTER) |
| 3:15 | Break |
| 3:30 | Committee Discussion: Findings (continued) |
| 4:30 | Committee Strategy and Direction |
| 5:00 | Meeting Adjourned |

**Wednesday, April 12, 1995**

| | |
|---|---|
| 8:30 AM | Recommendations: Looking Backward (FINAL CHAPTER) |
| 10:30 | Break |
| 11:00 | Recommendations: Looking Backward (continued) |
| 1:00 PM | Meeting Adjourned |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**MEETING #13 (APRIL 10-12)**
**TABLE OF CONTENTS**

**Overview Memo  Reading Roadmap**


| | | |
|---|---|---|
| **TAB A** | A-1 | Agenda |
| | A-2 | Federal Register Notice of Meeting |
| | A-3 | Executive Order |
| | A-4 | Charter |
| **TAB B** | B-1 | Advisory Committee Roster |
| | B-2 | Advisory Committee Staff & Consultant Roster |
| **TAB C** | C-1 | Meeting Timetable and Report Deadlines |
| | C-2 | Future Meeting Locations |
| **TAB D** | Recommended Reading | |
| | D-1 | Do We Need Another Advisory Commission on Human Experimentation? *Jay Katz* |
| | D-2 | The Concentration Camp Experiments: Their Relevance for Contemporary Research with Human Beings *Jay Katz* |
| | D-3 | An Attempt to Standardize the Radiodiagnostic Risk Statement in an Institutional Review Board Consent Form *Frank P. Castronovo, Jr.* |
| | D-4 | National Bioethics Advisory Commission Proposed Charter |
| | D-5 | Representation of Experiments Using Human Subjects in Newspapers and Periodicals, 1946-1981 *Rebecca Lowen* |
| | D-6 | Discussion of the Ethics of Human Experimentation in the Medical and Scientific Literature *Rebecca Lowen* |
| **TAB E** | Staff Memorandum: Nasopharyngeal Radium Treatment | |

*Sources and Documentation*

**TAB F** Documentary Updates:

- F-1 Staff Memorandum: Human Experimentation at Atomic Bomb Tests/Army Proposal to Expose Human Volunteers to the Point Needed to Determine the Threshold of Injury
- F-2 Staff Memorandum: Documentation on Worker Studies at Los Alamos and Oak Ridge National Laboratories
- F-3 Staff Memorandum: Post-World War II Recruitment of German Scientists--Project Paperclip
- F-4 Staff Memorandum: Contemporary Environmental Oversight of Classified Programs

**TAB G** A Working List of Terms & Acronyms

**Participants in the Public Comment Period**

1. Gwendon Plair, Concerned Relatives of Cancer Study Patients, Cincinnati, OH
2. James Tidwell, Cincinnati, OH
3. Barbara Tatterson, Cincinnati, OH
4. Joseph Peterson, Carson City, NV
5. Banny deBrum, Acting Ambassador, Embassy of the Republic of the Marshall Islands
6. Rebecca Harrod Stringer, St. Augustine, FL

**Documentation**

The records of the Thirteenth Meeting include: (1) Briefing book; (2) Public comments/materials; (3) Transcript; (4) Minutes.

*Appendix F*

*Sources and Documentation*

**FOURTEENTH MEETING (May 8-10, 1995, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**MAY 8-10, 1995**
**The Doubletree Hotel--Ballroom--1515 Rhode Island Avenue, NW--Washington, DC**
**FINAL AGENDA**

**Monday, May 8, 1995**

| | |
|---|---|
| 9:00 AM | Call to Order |
| | Opening Remarks |
| | *Ruth Faden, Chair* |
| | Approval of Minutes of April 10-12, 1995 Meeting |
| 9:10 | Public Comment |
| 10:15 | Break |
| 10:30 | Discussion of Overall Report Organization and Structure |
| 11:45 | Lunch & Reading Time |
| 1:30 | Discussion: Part I of Draft Final Report |
| (1:30) | Chapter 2: Government Standards for Human Exper.--the 1940s and the 1950s |
| (2:00) | Chapter 5: Conclusions--Ethics Standards in Retrospect |
| (2:50) | Remaining Chapters of Part I |
| 3:30 | Break |
| 3:40 | Discussion of Part II of Draft Final Report |
| (3:40) | Chapter 1: Biodistribution |
| (4:20) | Chapter 2: Radioisotopes |
| 5:00 | Meeting Adjourned |

**Tuesday, May 9, 1995**

| | |
|---|---|
| 9:00 AM | Discussion of Part II of Draft Final Report (continued) |
| (9:00) | Chapter 3: Children and Pregnant Women |
| (9:45) | Chapter 8: Observational Studies |
| 10:30 | Break |
| 10:45 | Discussion of Part II of Draft Final Report (continued) |
| (10:45) | Chapter 9: Secrecy, Openness and Human Radiation Experiments |
| (11:30) | General Discussion of Remaining Part II Chapters |
| 12:15 PM | Lunch & Reading Time |
| 1:45 | Discussion of Part III of Draft Final Report |
| (1:45) | Chapter 2: Research Proposal Review Project |

| | |
|---|---|
| (2:45) | Chapter 3: Subject Interview Study |
| 3:45 | Break |
| 3:55 | Discussion of Part III of Draft Final Report (continued) |
| (3:55) | Chapter 1: Agency Oversight |
| (4:10) | General Discussion of Part III |
| 4:30 | Discussion: Committee Strategy & Direction |
| 5:00 | Meeting Adjourned |

**Wednesday, May 10, 1995**

| | |
|---|---|
| 8:30 AM | Discussion of Part IV of Draft Final Report: Findings |
| 10:00 | Break & Reading Time |
| 10:30 | Discussion of Part IV of Draft Final Report: Recommendations--Looking Backward |
| 12:00 PM | Lunch |
| 1:15 | Discussion of Part IV of Draft Final Report (continued) |
| (1:15) | Recommendations: Looking Backward |
| (1:45) | Notification & Epidemiological Studies |
| 3:20 | Break |
| 3:30 | Discussion: Committee Strategy and Direction |
| 4:00 | Meeting Adjourned |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**PUBLIC MEETING #14 (May 8-10, 1995)**
**TABLE OF CONTENTS**

**Reading Roadmap**


| | | |
|---|---|---|
| **TAB A** | A-1 | Agenda |
| | A-2 | Federal Register Notice of Meeting |
| | A-3 | Executive Order |
| | A-4 | Charter |
| **TAB B** | B-1 | Advisory Committee Roster |
| | B-2 | Advisory Committee Staff & Consultant Roster |
| **TAB C** | C-1 | Meeting Timetable and Report Deadlines |
| **TAB D** | Documentary Updates: | |
| | D-1 | Staff Memorandum: Official Classification Policy to Cover Up Embarrassment |
| | D-2 | Staff Memorandum: Documentary Update on Marshall Islands |

*Sources and Documentation*

D-3 Staff Memorandum: Documentary Update Concerning Human Experimentation in Connection with Bomb Tests
D-4 Staff Memorandum: Robert Stone and the Nuremberg Code
D-5 Staff Memorandum: July 1951 Army Conference on Atomic Weapons Tests
D-6 Staff Memorandum: Documentary Update on Proposed Human Experimentation Related to Radon in the Uranium Mines

**TAB E** Staff Memorandum: The Hazards of Radon in Uranium Mines
**TAB F** Staff Memorandum: Subject Interview Study Update

**Participants in the Public Comment Period**

1. Doris Baker, Cincinnati, OH
2. Barbara Tatterson, Cincinnati, OH
3. Herbert Varin, Cincinnati, OH
4. Clifford Tidwell, Cincinnati, OH
5. Beatrice Tidwell, Cincinnati, OH
6. Zettie Smith, Cincinnati, OH
7. Pat Broudy, National Association of Atomic Veterans

## Documentation

The records of the Fourteenth Meeting include: (1) Briefing book; (2) Transcript; (3) Minutes.

**FIFTEENTH MEETING (June 21-23, 1995, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**JUNE 21-23, 1995**
**Madison Hotel--Executive Chambers--15th & M Street, N.W.--Washington, DC**
**FINAL AGENDA**

**Wednesday, June 21, 1995**

| | |
|---|---|
| 9:00 AM | Call to Order<br>Opening Remarks<br>*Ruth Faden, Chair* |
| 9:05 | Approval of Minutes of May 8-10, 1995 Meeting |
| 9:10 | Public Comment |
| 10:15 | Break |
| 10:30 | Committee Discussion: Findings (1944-74) [Part IV, Chapter 18] |
| 12:00 | Lunch |
| 1:15 | Committee Discussion: Findings (1944-74) [Part IV, Chapter 18] *(continued)* |
| 2:15 | Committee Discussion: Recommendations for Remedies for Former Subjects [Part IV, Chapter 19] |
| 3:15 | Break |
| 3:30 | Committee Discussion: Recommendations for Remedies for Former Subjects [Part IV, Chapter 19] *(continued)* |
| 5:00 | Meeting Adjourned |

**Thursday, June 22, 1995**

| | |
|---|---|
| 9:00 AM | Committee Discussion: Subject Interview Study [Part III, Chapter 16] |
| 10:00 | Committee Discussion: Research Proposal Review Project [Part III, Chapter 15] |
| 10:45 | Break |
| 11:00 | Committee Discussion: Research Proposal Review Project *(continued)* [Part III Chapter 15] |
| 12:30 PM | Lunch |
| 1:45 | Committee Discussion: Contemporary Projects--An Ethical Analysis [Part III, Chapter 17] and Findings for the Contemporary Period [Part IV, Chapter 19] |
| 2:45 | Committee Discussion: Recommendations for the Protection of the Rights and Interests of Human Subjects [Part IV, Chapter 19] |

| | |
|---|---|
| 3:45 | Break |
| 4:00 | Committee Discussion Concerning Strategy and Direction: Mechanisms for Sign Off of Final Report and Personal Statements |
| 5:00 | Meeting Adjourned |

**Friday, June 23, 1995**

| | |
|---|---|
| 8:30 AM | Committee Discussion: Recommendations for the Protection of the Rights and Interests of Human Subjects [Part IV, Chapter 19] *(continued)* |
| 10:15 | Break |
| 10:30 | Committee Discussion: Findings--Contemporary Intentional Releases [Part IV, Chapter 18] |
| | Committee Discussion: Recommendations for Balancing National Security Interests and the Rights of the Public [Part IV, Chapter 19] |
| 12:15 PM | Lunch |
| 1:30 | Committee Discussion: Recommendations on Openness [Part IV, Chapter 19] |
| 2:30 | Committee Discussion: Outstanding Issues |
| 3:30 | Meeting Adjourned |

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**PUBLIC MEETING #15 (JUNE 21-23, 1995)**
**TABLE OF CONTENTS**


| | | |
|---|---|---|
| **TAB A** | A-1 | Agenda |
| | A-2 | Federal Register Notice of Meeting |
| | A-3 | Executive Order |
| | A-4 | Charter |
| **TAB B** | B-1 | Advisory Committee Roster |
| | B-2 | Advisory Committee Staff & Consultant Roster |
| | B-3 | Subcommittee Roster |
| **TAB C** | C-1 | Meeting Timetable and Report Deadlines |
| | C-2 | Future Meeting Locations |
| **TAB D** | Documentary Updates: | |
| | D-1 | New Documents Concerning Early AEC Ethics and Classification Policies |
| | D-2 | Project Sunshine "Body Snatching" |
| | D-3 | 1966 Proposed Plutonium and Prometheum Experiments |
| | D-4 | Atomic Energy Commission (AEC) Policy on Human Experimentation |

**Participants in the Public Comment Period**

1. Anthony Roisman, Esq., National Committee of Radiation Victims, Washington, D.C.
2. Geoffrey Sea, Task Force on Radiation and Human Rights, Oakland, CA
3. Phil Harrison, Uranium Radiation Victim's Committee, Albuquerque, NM
4. Rachel Greene, Hyattsville, MD
5. Zina Greene, Washington, D.C.
6. Julie Boddy, Takoma Park, MD

**Documentation**

The records of the Fifteenth Meeting include: (1) Briefing book; (2) Transcript; (3) Mintues.

**SIXTEENTH MEETING (July 17-19, 1995, Washington, D. C.)**

**Final Agenda**

**PUBLIC MEETING**
**JULY 17-19, 1995**
**Madison Hotel--Executive Chambers--15th & M Street, N.W.--Washington, DC**
**FINAL AGENDA**

**Monday, July 17, 1995**

| | |
|---|---|
| 9:00 AM | Call to Order<br>Opening Remarks<br>*Ruth Faden, Chair* |
| 9:10 | Public Comment |
| 10:15 | Break |
| 10:30 | Committee Discussion:<br>Plutonium Injections and Related Experiments (Part II, Chapter 5)<br>Nontherapeutic Research on Childrens (Part II,Chapter 7)<br>Total-Body Irradiation (Part II, Chapter 8)<br>The Ethics of Observational Data Gathering (Part II, Chapter 12) |
| 12:00 | Lunch |
| 1:15 | Committee Discussion on Chapters (continued) |
| 2:15 | Committee Discussion: Findings (1944-74) [Part IV, Chapter 18] |
| 4:00 | Break |
| 4:30 | Committee Discussion: Recommendations for Remedies for Former Subjects [Part IV, Chapter 19] |
| 6:00 | Meeting Adjourned |

**Tuesday, July 18, 1995**

| | |
|---|---|
| 9:00 AM | Committee Discussion: Recommendations for the Remedies of Former Subjects [Part IV, Chapter 19] |
| 10:45 | Break |
| 11:00 | Committee Discussion: Research Proposal Review Project [Part III, Chapter 15] |
| 11:45 | Committee Discussion: Subject Interview Study [Part III, Chapter 16] |
| 12:30 PM | Lunch |
| 1:45 | Committee Discussion: Contemporary Projects--An Ethical Analysis [Part III, Chapter 17] Findings for the Contemporary Period [Part IV, Chapter 19] |
| 3:30 | Committee Discussion: Recommendations for the Protection of the Rights and Interests of Human Subjects [Part IV, Chapter 19] |

| | |
|---|---|
| 4:00 | Break |
| 4:30 | Committee Discussion: Recommendations for the Protection of the Rights and Interests of Human Subjects [Part IV, Chapter 19] (continued) |
| 6:00 | Meeting Adjourned |

**Wednesday, July 19, 1995**

| | |
|---|---|
| 8:30 | Approval of Minutes of June Meeting |
| 8:35 | Committee Discussion: Strategy and Direction |
| 9:30 | Committee Discussion: Total Body Irradiation (Chapter 8) |
| 10:30 | Committee Discussion:<br>Ethics Standards in Retrospect (Chapter 4)<br>Finding 11c - Evaluation of Past Experiments (Chapter 18) |
| 11:30 | Committee Discussion:<br>Observational Studies (Chapter 12)<br>Finding 16 - Risk of Harm (Chapter 18)<br>Recommendation 9 - Marshall Islanders (Chapter 19) |
| 12:15 | Lunch |
| 1:30 | Committee Discussion:<br>Recommendation 4 - Med. Notification and Follow up (Chapter 19)<br>Finding 2 - Risk of Harm (Chapter 18)<br>Epidemiological Study and Atomic Vets (Handout)<br>Recommendation 15-Openness (Handout)<br>Recommendation 11d - Oversight and Sanctions (Handout) |
| 3:30 | Meeting Adjourned |

**Briefing Book Table of Contents**

The Advisory Committee considered the final report as a whole at this meeeting; consequently, there was no briefing book.

**Participants in the Public Comment Period**

1. Senator Tony deBrum, Ambassador Wilfred Kendall, and Phillip Muller, Foreign Minister, Marshall Islands
2. Dr. Bernard Aron, Cincinnati, OH
3. Dr. David Egilman, Braintree, MA
4. Dr. Oscar Rosen, National Commander, National Association of Atomic Veterans
5. Dr. Dennis Nelson, Bethesda, MD
6. Ms. Mary Mueller
7. Mr. Acie Byrd, Task Force on Radiation and Human Rights

*Sources and Documentation*

## Documentation

The records of the Sixteenth Meeting include: (1) Transcript; (2) Minutes. There was no briefing book for this meeting.

## FIRST SMALL PANEL MEETING (October 21, 1994, Cincinnati, Ohio)

**Final Agenda**

The Cincinnati small panel meeting was composed entirely of presentations by citizens. The agenda therefore was the final list of speakers; there was no briefing book. The following list is the final order in which public comment participants for the October 21, 1994 panel meeting in Cincinnati, Ohio addressed the Committee. Each participant had seven minutes to speak and discuss their concerns with the Committee.

GROUP ONE 9:30 to 10:45 a.m.

1. Representative Rob Portman (R-OH)
2. Dr. Gwendon Plair, Concerned Relatives of Cancer Study Patients; relative of patient no. 44 of University of Cincinnati Experiments [UC patient]
3. Mrs. Doris J. Baker, relative of UC patient no. 20
4. Mrs. Gloria Nelson, relative of UC patient no. 67
5. Mr. Richard Casey, veteran (Enewetok clean-up, 1978)
6. Ms. Lisa Crawford, Fernald Residents for Environmental Safety and Health
7. Mr. Herbert Varin, relative of patient no. 75
8. Mr. Leslie Lynch, veteran exposed to atomic testing

GROUP TWO 11:00 to 12:15 p.m.

1. Professor Martha Stephens, University of Cincinnati, Department of English, author of 1972 Junior Faculty Report
2. Ms. Lillian Pagano, Mr. Bob Phillips, Ms. Cherie Brabant, relatives of UC patient no. 45
3. Ms. Otisteen Goodwin, relative of UC patient
4. Mr. Clifford Tidwell, relative of UC patient no. 7
5. Mr. Owen Thompson, Fernald uranium processing plant worker

GROUP THREE 1:15 to 2:45 p.m.

1. Dr. Joseph Steger, President, University of Cincinnati, and Mr. Stan Chesley, former Chairman of the Board, University of Cincinnati
2. Mr. David Thompson, White, Getgey & Meyer, plaintiff attorney in lawsuit on Cincinnati experiments.
3. Mr. Kenneth Kendall, veteran exposed to atomic testing
4. Mr. Tom Wilkinson, veteran exposed to atomic tesing
5. Mr. Tom Row, Oak Ridge National Laboratories, Manager of Martin Marietta Energy Systems Human Studies Project
6. Mr. Joe Larkins, relative of UC patient no. 109
7. Ms. Monica Ray, relative of UC patient no. 67

GROUP FOUR 2:55 to 6:00 p.m.

1. Mr. Gene Branham, Fernald plant, Vice-President of Labor Council
2. Mrs. Dorothy Swenty and Mrs. Pat Wheeler, relative of veteran exposed to atomic testing

*Sources and Documentation*

3. Mr. and Mrs. Robert and Katherine Hager, relative of UC patient no. 51
4. Mr. William Cummins, veteran exposed to atomic testing
5. Mr. Manuel Blaz and Mrs. Ruth Blaz
6. Ms. Jackie Kittrell, American Environmental Health Studies Project
7. Ms. Ann Hopkins and Ms Mary Mueller
8. Mr. Daryl Kimball, Physicians for Social Responsibility
9. Ms. Vina Colley, Portsmouth/Piketon Residents for Environmental Safety and Security
10. Ms. Diana Salisbury, Portsmouth/Piketon Residents for Environmental Safety and Security
11. Mr. Geoffrey Sea, International Radiation Injury Survivors.

**Documentation**

The records of the First Small Panel Meeting include: (1) Agenda; (2) Documents submitted by public comment participants; (3) Transcript; (4) Report.

## SECOND SMALL PANEL MEETING (November 21, 1994, Spokane, Washington)

**Final Agenda**

The Spokane small panel meeting was composed almost entirely of testimony by citizens; consequently, there is no separate list of speakers apart from that included in the agenda.

**Panel Meeting**
**Spokane, Washington**
**November 21, 1994**
**AGENDA**

9:00 a.m. Call to Order
*Jerry Garcia*

9:05 A.M. Welcome and Introduction
*Dr. Reed Tuckson, Chair, Outreach Subcommittee*
*Dr. Duncan Thomas, Committee member*
*Dr. Susan Lederer, Committee member*
*Dr. Henry Royal, Committee member*

9:15 to 10:30 GROUP ONE

- Mr. Leonard Schroeter, Seattle, WA
  **Attachment 1*
- Mrs. Gertie Hanson, Citizens Against Nuclear Weapons and Exterminations
- Mr. Al Conklin, Department of Health, state of Washington
- Mr. Harold Bibeau, Portland, OR
- Ms. Catherine Knox, Department of Corrections, Oregon
  **Attachment 2*
- Mr. Jim Thomas, Seattle, WA
  **Attachment 3*

10:30 to 10:40 Break

10:40 to 12:15 P.M. GROUP TWO

- Ms. Trisha Pritikin, Berkeley, CA
  **Attachment 4*
- Mr. Fredrick William Larson, Ocean Park,WA
  **Attachment 5*
- Mrs. Brenda Weaver, Spokane, WA
- Mr. Tom Bailie, Mesa, WA
- Mr. Lynn Grover & Mrs. Michelle Grover, Mesa, WA

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[0]Attachments to agenda are not included here.

*Sources and Documentation*

- Mr. Geoffrey Sea, International Radiation Injury Survivors, Oakland, CA

12:15 P.M. to 1:15 Lunch

1:15 to 2:30 GROUP THREE

- Mrs. Kathy Jacobovitch, Vashon Island, WA
- Mrs. JoAnne Watts, Grants Pass, OR

**Attachment 6*

- Mrs. Theresa Potts, Couer d'Alene, ID

and Mr. Tom Cooper, Couer d'Alene, ID

- Mrs. Kay Sutherland, Walla Walla, WA
- Mrs. Beverly Aleck, Anchorage, Alaska

**Attachment 7*

- Ms. Sherri Lozon, Nez Pierce Tribe

**Attachment 8*

2:30 to 2:40 Break

2:40 to 4:10 GROUP FOUR

- Mrs. Jeanne Haycraft, Enterprise, OR
- Ms. Darcy Thrall, Benton City, WA

**Attachment 9*

- Ms. Lynne Stembridge, Hanford Education Action League
- Mrs. Lois Camp, LaCrosse, WA

**Attachment 10*

- Ms. Lynn Horn & Mr. Charlie Miller, Spokane, WA
- Mr. Charles Lombard, Spokane, WA

4:10 to 4:20 Break

4:20 to 5:30 GROUP FIVE

- Mr. Curt Leslie, Wallua, WA
- Mr. Rex Harter, Mesa, WA
- Mr. David Vanderbilt, Ione, WA
- Mr. Wendell Ogg, Knoxville, TN
- Mrs. Iris Hedman Othello, WA

**Briefing Book Table of Contents**

**SPOKANE, WASHINGTON, PUBLIC MEETING**
**Table of Contents**


**Tab A** The Release of Radioactive Materials from Hanford: 1944-72. A publication of the Hanford Health Information Network.

Advisory Committee's Document Request to Richland Operations Office, October 1994

**Tab B** Intentional Releases: Memorandum of August 31, 1994

List of Intentional Releases: September 1994

| | |
|---|---|
| **Tab C** | The Green Run: Memo of November 1994<br>Methodological Case Study of the Green Run: May 1994 |
| **Tab D** | Prisoner Experiments: Memo of November 1994 |
| **Tab E** | Documentary Update on Experiments and Datagathering at Weapons Tests: November 1994 |
| **Tab F** | Testimony of Gene Branham Regarding the Tissue Sampling Program Excerpt from Cincinnati public meeting, October 21, 1994 |
| **Tab G** | Press Clippings. Subjects include the Transuranic Registry Program, Hanford's history, testing of schoolchildren and recent articles on exposures from Hanford |

**Documentation**

The records of the Second Small Panel Meeting include: (1) Briefing book; (2) Supporting materials, including materials relating to a site visit to Hanford by ACHRE members and staff; (3) Public comment materials; (4) Transcript; (5) Report.

*Sources and Documentation*

**THIRD SMALL PANEL MEETING (January 30, 1995, Santa Fe, New Mexico)**

**Final Agenda**

**SANTA FE PANEL MEETING**
**JANUARY 30, 1995**
**AGENDA**

9:00 A.M. Call to Order
*Jerry Garcia*
9:05 Welcome and Introduction
*Dr. Reed Tuckson, Chair, Outreach Subcommittee*
*Dr. Ruth Macklin, Committee Member*
*Dr. Duncan Thomas, Committee Member*
9:15 to 10:30 GROUP ONE
- Mr. Steward Udall, former Secretary of the Interior
- Mr. Ray Michael, Hot Springs, NM
- Ms. Darey Thrall, Benton City, WA
- Mr. Tyler Mercier, Santa Fe., NM
- Mr. D.H. Bod Hofmann, Mountain Home, AR
- Mr. Theodore A. Garcia, Las Cruces, NM
- Mr. Bill Homes, Fulsom, CA

10:30 to 10:40 Break
10:40 TO 12:15 P.M. GROUP TWO
- Mr. Alvino Waconda, Laguna-Acoma Delegation, Paguate, NM
- Mr. Curtis Francisco, Laguna-Acoma Delegation, Laguna Pueblo, NM
- Ms. Dorothy Purley, Laguna-Acoma Delegation, Paguate, NM
- Mr. Manuel Peno, Mesa, AZ
- Mr. Harry Lester, Albuquerque, NM
- Mr. Milton Stadt, Victor, NY
- Ms. Caroline Cannon, Point Hope, Alaska

12:15 to 1:15 Lunch
1:15 to 2:30 GROUP THREE
- Mr. John Taschner, Los Alamos Human Studies Project
- Mr. Don Petersen, Los Alamos Human Studies Project
- Mr. George Voelz, Los Alamos Human Studies Project
- Mr. Timothy Benally, Shiprock, NM
- Mr. Carlos Pacheco, Santa Fe, NM
- Ms. Rosalie Jones, West Jordan, UT
- Mrs. Bernice Brogan, West Valley City, UT
- Mr. Barney Bailey, Lovington, NM

2:30 to 2:40 Break

2:40 to 4:10 GROUP FOUR

- Dr. Louise Able, Shiprock, NM
- Ms. Sue Dayton, Tijares, NM
- Mr. Ernest Garcia, Chairman, National Contaminated Veterans of America, Albuquerque, NM
- Mr. Clyde Gardner, Albuquerque, NM
- Mr. Dale Howard, Last Lunas, NM
- Mr. Coy Overstreet, Dickens, TX
- Mr. Langdon Harrison, Albuquerque, NM
- Mr. Ray Koonuk, Mayor, Point Hope, Alaska
- Mr. Jack Schaefer, Point Hope, Alaska

4:10 to 4:20 Break

4:20 to 6:30 GROUP FIVE

- Dr. Chellis Glendinning, Chimayo, NM
- Mr. John Sheaham, Albuquerque, NM
- Mr. Damacio Lopez, Bernalillo, NM
- Mr. Phil Harrison, Director, Uranium Radiation Victims Committee, Shiprock, NM
- Mr. John Fowler
- Mr. Harry Desiderio
- Mr. Glenn Stuckey, Albuquerque, NM
- Mr. Thomas Degay

**Briefing Book Table of Contents**

**BRIEFING BOOK**
**SMALL PANEL MEETING (JANUARY 30, 1995)**
**TABLE OF CONTENTS**

**TAB A** Staff Memorandum: Human Experimentation in Connection with Atomic Bomb Tests

- A-1 Recent Document Request Submitted to Los Alamos National Laboratory/Department of Energy
- A-2 OPERATION TEAPOT: Report for the First Manned Cloud Penetration
- A-3 OPERATION REDWING: Briefing for Cloud Penetration Aircrews
- A-4 OPERATION REDWING: Report for the Second Series of Manned Cloud Penetrations
- A-5 OPERATION JANGLE: Tests of Service Equipment and Operation
- A-6 OPERATION JANGLE: Evaluation of Potential Respiratory Hazard to Tank Crews Operating in Contaminated Areas

*Sources and Documentation*

A-7 OPERATION TEAPOT: Radiation Hazard Associated with Contaminated Aircraft

**TAB B** Materials on Intentional Releases

B-1 Fact Sheet on Radiolanthanum ("RaLa") Tests

B-2 Summary of Operation Roller Coaster

B-3 List of Intentional Releases and Experiments of Opportunity (Tab J, July 25-26, 1994 Briefing Book)

B-4 Intentional Releases of Radioactivity (Tab L, September Briefing Book)

**TAB C** Materials on Uranium Miners

C-1 Staff Memorandum: Background on Uranium Miners

C-2 Chronology Prepared by Duncan Holaday in 1964, Attached as an Exhibit to Mr. Holaday's Sworn Deposition in *Begay V. United States* Taken on March 19, 1986

C-3 Excerpt from a Staff Memorandum Provided to the Advisory Committee in Briefing Book 7, Tab J, "Overview of Radiation Exposure Compensation Programs" (October 4, 1994) and a Full Copy of the *Begay* Opinion

C-4 Excerpt from a Staff Memorandum Provided to the Advisory Committee in Briefing Book No. 7, Tab J, "Overview of Radiation Exposure Compensation Programs" (October 4, 1994)

## Participants in the Public Comment Period

The participants are listed in the agenda.

## Documentation

The records of the Third Small Panel Meeting include: (1) Briefing book; (2) Supplemental materials; (3) Public comment materials; (4) Transcript; (5) Report.

**FOURTH SMALL PANEL MEETING (March 2, 1995, Knoxville, Tennessee)**

**Final Agenda**

**Knoxville Panel Meeting**
**Raddison Summit Hill Hotel**
**March 2, 1995**
**AGENDA**

9:00 A.M. Called to Order
*Jerry Garcia*
9:05 Welcome and Introduction
*Dr. Nancy Oleinick, Committee Member*
*Dr. Henry Royal, Committee Member*
*Dr. Susan Lederer, Committee Member*
9:15 to 10:30 GROUP ONE
Mr. Paul S. White, Oak Ridge, TN
**attachment 1*
Mrs. Dortha Gay Brown, Knoxville, TN
* *attachment 2*
Mrs. Betty Freels and Mrs. Mary Bunch, Clinton, TN
* *attachment 3&4*
Mrs. Margaret Jacobs, Harriman, TN
Mrs. Dorothy McRight, Mr. Gary Litton and Mr. David Lee
**attachment 5*
Dr. Karl Z. Morgan, Oak Ridge, TN
10:30 to 10:40 Break
10:40 to 12:15 P.M. GROUP TWO
Dr. Gary Madsen, Utah State University
* *attachment 6*
Mr. Richard Sheldon, Knoxville, TN
* *attachment 7*
Mrs. Janice Stokes, Clinton, TN
* *attachment 8*
Mrs. Shirley Rippetoe, Old Hickory, TN
Mr. Bill Clark and Jim Jones, Knoxville, TN
Mrs. Claudia Soulyarette, Oak Ridge, TN
Mr. Dick Smyser, *The Oak Ridger*
* *attachment 9*

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Attachments to agenda are not included here.

Mr. Floyd Grizzell
Mrs. Mary McNamara

12:15 to 1:15 Lunch

1:15 to 2:30 GROUP THREE

Dr. Bill Bibb, Oak Ridge, TN
Dr. Bill Burr, Oak Ridge, TN
Dr. Shirley Fry, Oak Ridge Institute for Science and Education
Rev. Thomas, Oak Ridge, TN
Mrs. Emma Craft, White Bluff, TN
Mrs. Mary Hamm and Mr. Ronn Hamm, Goodletsville, TN
Mrs. Venia Lazenby, Mt. Juliet, TN
Mrs. Reba Neal, Coalfield, TN
Mrs. Dot McCleod, Lake Park, GA and Mrs. Mary Lynn Stanley, Wrightsville, GA
**attachments 10&11*
Mr. Richard Vaughn

2:30 to 2:40 Break

2:40 to 4:10 GROUP FOUR

Dr. Frank Comas, Knoxville, TN
Mrs. Ann Sipe, Oak Ridge, TN
Mrs. Freda Jo Burchfield, Morristown, TN
Mrs. Barbara Humphreys, Louisville, TN
**attachment 12*
Mr. Wilton and Earl McClure
**attachment 13*
Mrs. Irene Sartain
Mrs. Mary Foster
Mr. Bruce Lawson and Mr. Jeff Hill
Mrs. Brenda Lee
Mr. Peter Lewis

4:10 to 4:20 Break

4:20 to 6:30 GROUP FIVE

Mrs. Gertrude Copeland
Mrs. Carolyn Szetela, Nashville, TN
Dr. Helen Vodopick, Oak Ridge, TN
Mrs. Doris Baker, Cincinnati, OH
Mrs. Gloria Nelson, Cincinnati, OH
Mrs. Susie Branham
Ms. Anna Marie Harrod
Mr. David Hetchpath

**Briefing Book Table of Contents**

## KNOXVILLE SMALL PANEL MEETING
## BRIEFING BOOK
## TABLE OF CONTENTS


**TAB A** Federal Register Notice

**TAB B** Prisoner Experiments with Involvement of Atomic Energy Commission Facility at Oak Ridge

*Attachment* Committee on Human Studies, Meeting Minutes, January 31, 1972

**TAB C** Staff Memorandum: Gallium Experiments at Atomic Energy Commission Facility, Oak Ridge Institute of Nuclear Studies

*Attachment* "Clinical Studies with Gallium-72" and ACHRE Staff Analysis.

**TAB D** Staff Memorandum: Tennessee-Vanderbilt Nutrition Study and Follow Up: Research on Pregnant Women

*Attachment 1* Nutrition in Pregnancy Study

*Attachment 2* "Long Term Effects of Radioactive Iron Administered During Human Pregnancy"

*Attachment 3* "Iron Metabolism in Human Pregnancy as Studied with the Radioactive Isotope, FE-59"

**TAB E** Staff Memorandum: Boston Project Uranium Injection Experiments

*Attachment 1* January 7, 1994 Letter from K.F. Eckerman, Martin Marietta, to Barry A. Berven, Martin Marietta, Regarding the Boston-Oak Ridge Uranium Study

*Attachment 2* "Maximum Permissible Amounts of Natural Uranium in the Body, Air and Drinking Water Based on Human Experimental Data"

**TAB F** Staff Memorandum: Total Body Irradiation

*Attachment* *Oversight: Human Total Body Irradiation (TBI) Program at Oak Ridge,* Hearing Before the Subcommittee on Investigations and Oversight, Committee on Science and Technology, U.S. House of Representatives.


**Participants in the Public Comment Period**

The participants are listed in the agenda.

**Documentation**

The records of the Fourth Small Panel Meeting include: (1) Briefing book; (2) Public comment materials; (3) Transcript; (4) Report.

# APPENDIX G

## TECHNOLOGY NOTE

The work of the Advisory Committee required the synthesis of complex information from a variety of sources, detailed examination of historical events, rigorous analysis of ethical issues, and substantive and clearly supported conclusions that could be understood by the public and translated into governmental action. To do this work, ACHRE needed information services that would allow it to describe, store, and retrieve historical documents collected for research purposes; to coordinate, collect, and arrange the information it created in the course of business; to seek and acquire reference and other secondary information sources; to perform research using technology-based information resources, including data manipulation and statistical analysis; to share information among staff and committee members; and to provide facilities for public access to this information. And, from the start, it was understood that the greater part of the information collected or created would be preserved permanently by the National Archives.

This mix of requirements suggests that the Advisory Committee's operations would provide an interesting case study in the use of technology in project and research management. This appendix, however, is intended only to facilitate a researcher's understanding of how ACHRE managed its information, and so it provides only a sketch of how the technology was used without analyzing its effects. The discussion is divided into the following sections: Infrastructure; Applications Integration; Services; Public Access and Archives; and Database Descriptions.

### INFRASTRUCTURE

ACHRE maintained a computer network consisting of Novell and Lotus Notes servers, each with a 1 gigabyte hard drive, connecting approximately 40 permanent workstations. Additional connections were available for portable computers and three modems for dial-in connections. This primary network also eventually included a Windows NT server housing ACHRE's gopher and World Wide Web sites; and a networked CD-ROM drive. High speed T-1 access to the Internet was provided for the permanent on-site computers. This also provided

remote access to the Notes server via TCP/IP connection through the Internet. Several committee members and staff were able to access the service from their homes or institutional offices through the Internet.

Each workstation and portable computer was equipped with WordPerfect 6.0a for Windows and Lotus Notes 3.1 for Windows. Workstations also had a variety of Internet software, including Netscape, and those requiring CD-ROM access had Folio Views 3.1 for Windows. Some use was also made of Lotus 1-2-3 4.01 for Windows and Harvard Graphics. Some members and staff used Macintosh computers at home, and Macintosh versions of Notes and appropriate connections to the network were provided for those individuals.

## APPLICATIONS INTEGRATION

As discussed elsewhere, the Advisory Committee did not initially foresee the extent and depth of the investigation that eventually was needed, but it did understand that substantive historical research and policy analysis would be required, and that its task was (originally) to be completed within a year. From the beginning, therefore, it was clear that it would be necessary to build as much efficiency into ACHRE operations as possible. From an information services point of view, this had three implications: (1) sharing information needed to be a primary function of the system, to minimize communications problems; (2) functions had to be as integrated as possible, to minimize resource problems; and (3) applications must be off-the-shelf, to minimize development and training time.

The software package that appeared to meet these requirements best was Lotus Notes. Notes is groupware that may be used for electronic mail, topical discussion, forms and information management, and information access control to create a completely integrated information environment. The two most attractive aspects of Notes for ACHRE applications were its integration of communications and database functionality, which allowed individuals to use the same skills in performing different activities, and its integration of design elements, which permitted information sharing between different applications. The Advisory Committee made extensive use of both of these features.

ACHRE developed several "families" of applications: communications; information acquisition; information indexing and standards; and data manipulation and analysis. The following paragraphs discuss--briefly--systems and information integration in these areas; a short description of each database is included in the last section of this appendix.

### Communications

Lotus Notes provides an integrated electronic mail environment that includes personal mail boxes, shared discussion lists, public and private address books, and easy Internet access. ACHRE used this environment to provide general internal and external telecommunications facilities, a staff bulletin board, and project discussion lists. Each staff and committee member (averaging more than 60 at any one time) had his or her own mail box and address book. When the gopher was opened in January 1995, a public mail box was added to accommodate general

inquiries. In addition to the All Staff Discussion database, active discussion databases were maintained by the Oak Ridge, total body irradiation, and intentional releases teams.

The similarity in the design of these applications permitted staff to post the same document to several databases, or to link a comment or response in one place to an original message in another. For example, to assemble a complete set of all staff memoranda sent by electronic mail, a copy of each such message was sent and so categorized in the All Staff Discussion database. As another example, the public address book was the main source of security identifications for the various levels of access available in all applications, although the ACHRE Indexes database (see below) was used when a text list of staff and members was required.

**Information Acquisition**

ACHRE needed to keep track of what information it was seeking, where the information might be found, where staff were looking, what had discovered, and what information had been acquired. To keep track of what it was looking for among agency records, ACHRE created the Agency Data Requests Tracking database, which integrated staff requests, formal requests to the agencies and others, and response tracking. Research document acquisition was recorded in the Document Collection database, as well as staff comments on contents and suggestions for additional research. These two applications cross-referenced identification codes, and at times linked dynamically requests and results. Integration within the Document Collection was even tighter with accession, inventory, and document descriptions linked together; and related accessions were linked as well.

As a substantial amount of research focussed on the activities of specific individuals, informational linkages among personal information, personal bibliography, and documentary repositories were important. The Publications database accommodated staff requests for secondary literature or research services and tracked the resulting interlibrary loans, document searches, and purchase requests. Reports of contacts with specific individuals were recorded in the Contacts Tracking database, and research reports (including site visit reports) were included in the Resources and Bibliography database.

**Information Indexing and Standards**

In addition to recording acquired research documents, the Document Collection database was used to index the contents of those accessions, and to describe and index the most important documents they contained. This database was the primary tool used by staff and committee members for documentary research, and the quality and comprehensiveness of its information were critical. Significant staff time was devoted to developing integrated criteria for document selection and description. In addition, the database permitted staff members to add their own comments and evaluations to the records. Additional information on Department of Defense documents was available in local versions of Radiation Experiments Command Center and Defense Nuclear Agency databases. Additional information on Department of Energy (DOE)

documents was available through copies of the Coordination and Information Center indexes on CD-ROM, made available at staff workstations over the network.

Development of appropriate standards for describing human radiation experiments involved an even greater effort than the development of document selection and description standards. The original subject, person, and institution term lists (see Attachments 1, 2 and 3 in Volume 2) were developed as part of that activity, and later adapted to documentation purposes. The need to use these terms across databases led to the development of a set of controlled vocabulary lists contained in the ACHRE Indexes database. That database provided standard look-up tables for staff and members names, subject terms, institution and personal names, isotope designations, state abbreviations, and other information used dynamically by several databases.

The process used by the Publications Collection database to record and track requests for published resources eventually resulted in bibliographic records that formed the public catalog for the Advisory Committee and also were used to construct the ACHRE bibliography (see Appendix C).

**Data Manipulation and Analysis**

Three major applications collected, manipulated, and analyzed project data. The Experiment Index was used to summarize and analyzed several types of data concerning the experimental subject populations, including age and gender, consent status, radiation type, and other information. The Advisory Committee's two contemporary projects--the Research Proposal Review Program (RPRP) and the Subject Interview Study (SIS)--each used an integrated set of several databases to analyze the data collected. The RPRP databases also were used to manage the study process by tracking requests and receipts of proposal information, originating the forms used by the reviewers and tracking their responses, and performing statistical analyses. Some databases had scores of views to perform statistical analyses. The SIS databases performed similar but simpler tasks, and their resulting statistical analyses were submitted electronically (but not automatically) to databases at Johns Hopkins for combination with other numerical data

**SERVICES**

The Advisory Committee acquired online access to Lexis/Nexis and Dialog databases, MEDLARS (which includes Medline and other NIH databases), DTIC, OCLC, and other services. Uncover, a service of the Colorado Alliance of Research Libraries (CARL), was used for document delivery. The AP Newswire was delivered through Notes to staff desks.

**PUBLIC ACCESS AND ARCHIVES**

Concurrent public access to some ACHRE information was made available over the Internet through a gopher that was also accessible through a World Wide Web site. The gopher

is described in greater detail in supplemental volume 2. The Advisory Committee's public reading room housed a publicly accessible workstation that provided public access to read-only versions of several ACHRE databases, to the gopher, and to the CIC indexes.

The permanent public record of ACHRE information, including electronic records, was deposited with the National Archives. Since the Archives accepts only ASCII versions of electronic information, it was necessary to convert ACHRE data to ASCII. WordPerfect documents were converted using TO5 software, a shareware utility retrieved from the Internet. Notes applications (except electronic mail, which was deposited in paper) were converted by creating forms that included all fields in a tagged format and printing the records to a DOS file. The records for each database were printed form by form, and should be retroconvertible. Hard copy prints of views are included with the paper records of each database, along with technical synopses.

Copies of the primary Notes databases in their original formats, and of the gopher and World Wide Web sites, were deposited with the National Security Archive at George Washington University.

**DATABASE DESCRIPTIONS**

The following data reflect the situation at August 17, 1995. All databases were full-text indexed, so that database size includes the indexes.

| Database | Description |
|---|---|
| *ACBM Minutes Database* | Designed but never implemented. |
| *ACHRE Indexes Database* | Provided standard look-up lists in specific areas. 976 records, 816 Kb.; 11 forms, 15 views. |
| *Agency Data Requests Tracking Database* | Used for request initiation, management, and tracking. 998 records, 3 Mb.; 5 forms, 16 views. |
| *Biomedical Discussion Database* | Designed but never implemented. |
| *Congressional Hearings Database* | Used to evaluate the information available in the congressional reports and hearings collected by the Advisory Committee; the database was implemented, but the project was not completed. 35 records, 352 Kb.; 2 forms, 2 views. |
| *Contact Tracking Database* | Recorded information about individuals and their contacts with ACHRE staff to assure coordination of interaction. 328 records, 976 Kb.; 2 forms, 6 views. |

| | |
|---|---|
| *DNA Library Database* | Translation of information on records collected by the Defense Nuclear Agency and transmitted to ACHRE through DOD's RECC. 839 records, 2.4 Mb.; 1 form, 4 views. |
| *Document Collection Database* | Used to management the document accession, inventory and indexing process; contains overall descriptions of accessions and their contents, descriptions of individual documents, staff comments, and indices. 4,458 records, 17.6 Mb.; 14 forms, 37 views. |
| *Document Repository Database* | Used to provide staff access to full-text searchable copies of ACHRE documentation, including minutes and transcripts of meetings, staff reports, and the interim and final report drafts. 343 records, 16.1 Mb.; 3 forms, 3 views. |
| *Experiment Index Database* | Used to collect and analyze information on the individual human radiation experiments identified by ACHRE. 3,967 records, 72.7 Mb.; 10 forms, 46 views. |
| *Hospital Records Database* | An SIS database, used to compare interviewee responses with information from hospital records. 43 records, 240 Kb.; 1 form, 2 views. |
| *Information Management Database* | Used to coordinate information about ACHRE information to be deposited with the National Archives. 370 records, 1 Mb.; 8 forms, 11 views. |
| *Information Requests Database* | Used to receive electronic mail inquiries from the public. 15 records, 368 Kb.; 8 forms, 12 views. |
| *Intentional Releases Discussion Database* | Originally intended to provide a staff discussion venue for this topic, but ultimately used to coordinate research information. 32 records, 272 Kb.; 3 forms, 3 views. |
| *Los Alamos Discussion Database* | Designed but never implemented. |
| *News Clippings Database* | Used to index media items (print, audio, and video) concerning human radiation experiments and ACHRE activities. 1,142 records, 3 Mb.; 2 forms, 5 views. |

*Sources and Documentation*

| | |
|---|---|
| *Oak Ridge Discussion Database* | Originally intended to provide a staff discussion venue for the institutional management research theme topic, but ultimately used to coordinate research information. 124 records, 528 Kb.; 7 forms, 8 views. |
| *Proposal Review--Non-Radiation Database* | An RPRP database, used to hold information on non-radiation research proposals. 41 records, 868 Kb.; 3 forms, 79 views. |
| *Proposal Review--Radiation Database* | An RPRP database, used to hold information on radiation research proposals. 84 records, 1.6 Mb.; 3 forms, 79 views. |
| *Proposal Review--Radiation Risk Database* | An RPRP database, functioned as a prototype for views eventually accommodated in the Proposal Review--Radiation Database. 125 records, 4.2 Mb.; 2 forms, 44 views. |
| *Proposal Study Tracking--Archive Database* | An RPRP database, used to hold information about proposals reported to but not used in the project. 220 records, 960 Kb.; 2 forms, 3 views. |
| *Proposal Study Tracking Database* | An RPRP database, used to track requests for and receipt of information about proposals. 125 records, 608 Kb.; 2 forms, 5 views. |
| *Publications Collection Database* | Used to receive requests for, process, and track acquisition of print and other non-record information resources; eventually used as the public catalog of secondary sources. 5,013 records, 10.5 Mb.; 9 forms, 25 views. |
| *RECC Library Database* | A Notes translation of the RECC catalog of items transmitted to ACHRE by DOD. 6,931 records, 17.2 Mb.; 2 forms, 24 views. |
| *Resources and Bibliography Database* | Used to collect information about people, places and things that might be of research interest to ACHRE. 339 records, 1.1 Mb; 5 forms, 10 views. |
| *Staff Discussion Database* | The staff bulletin board and general discussion forum. 1,660 records, 13.7 Mb.; 6 forms, 5 views. |
| *Subject Interview--Discordant* | An SIS database, used to analyze interviewee responses at |

| | |
|---|---|
| *Database* | variance with known facts. 378 records, 1.1 Mb.; 1 form, 5 views. |
| *Subject Interview Survey Database* | An SIS database, used to collect and analyze information textual information collected during interviews. 1,919 records, 2.5 Mb.; 25 forms, 29 views. |
| *Subject Interview Tracking Database* | An SIS database, used to collect, analyze and evaluate through the patient interviews. 336 records, 800 Kb.; 2 forms, 4 views. |
| *TBI Discussion Database* | Originally intended to provide a staff discussion venue for this topic, but ultimately used to coordinate discussion of report versions. 12 records, 1.7 Mb. [with attachments]; 3 forms, 3 views. |
| *Technology Corner Database* | Used as a venue for discussions of technology and requests for advice. 40 records, 320 Kb.; 3 forms, 3 views. |
| *Timeline Database* | Used to create an overall chronology of the events being investigated by ACHRE. 41 records, 352 Kb.; 2 forms, 6 views. |