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THE UNIVERSITY OF ROCHESTER
Atomic Energy Project
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INDEX OF REPORTS AND PUBLICATIONS

BY THE UNIVERSITY OF ROCHESTER ATOMIC ENERGY PROJECT

Submitted by: Henry A. Blair
Director

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This index is designed to cover the declassified and unclassified work of the University of Rochester Atomic Energy Project from its beginning in 1943 until July 1960. It contains titles of the work described in Manhattan District and Atomic Energy Commission reports as well as of material published in books and journals.

The Atomic Energy Project was administered by the Department of Radiology of the School of Medicine and Dentistry from 1943 to 1947 and by the Department of Radiation Biology since that time. Papers on non-Project work of the Department of Radiology are not listed here but most of those from the Department of Radiation Biology from 1948 to 1955 and all of those from 1955 on are included. Therefore, although the listing covers all of the project work of a given author, it does not necessarily include all of his work during the period he was associated with this school.

When the same work is described in both internal reports and the open literature this is indicated by cross references. Sometimes the reports contain data in more detail than do the published papers. Monthly Progress Reports which were issued from June 1943 until June 1947 are omitted from this listing but were given in a previous bibliography, UR-212, December 1952. Quarterly Progress Reports are listed and their contents appear under appropriate titles.

The titles are grouped under broad subject headings only. Consequently, a topic of limited scope may fall under more than one

heading. The most common cases in which this may occur are indicated in the Table of Contents.

The author index refers to page number rather than title. Therefore, a given author reference may cover more than one title.

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M-1655	Dowdy, A. H.	Catalogue of reports issued by Rochester Area for period May 1, 1943 thru April 1, 1945.	
UR-212	Jones, E. B.	Index of reports and publications by the University of Rochester Atomic Energy Project. (<u>Science 116: 706-8, 1952</u>) (<u>Nuclear Sci. Abstr. 7: 271, 1953</u>)	12/ 8/52
UR-423	Blair, H. A.	Index of reports and publications by the University of Rochester Atomic Energy Project. (<u>Nuclear Sci. Abstr. 10: 387, 1956</u>)	7/31/55

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M-1541	Gilda, J.E.	X-ray diffraction studies of uranium metal fume.	6/ 7/44
M-1553	Dygert, H.P. Oberg, H. Stokinger, H.E.	Comparison of relative efficiencies of filter papers in sampling uranium dusts.	5/20/44
M-1582	Dygert, H.P. Sanford, R. Oberg, H.	Relative efficiencies of dust sampling devices as applied to collection of uranium dusts.	11/22/44
M-1997 Paper 1 MDDC-1355	Laskin, S. Turner, R.A.N. Stokinger, H.E.	Analysis of dust and fume hazards in a beryllium plant.	9/ 1/47
UR-40 AECD-2244	Lauterbach, K. Laskin, S. Leach, L.	Determination of the surface area of uranium compounds of different particle sizes by low temperature Van Der Waals Adsorption of ethane. (NNES Div. VI, Vol. 1, Chap. 21A, Sec. 2.2) (<u>J. Franklin Inst. 250: 13-24, 1950</u>)	8/ 9/48
UR-45 p.45	Laskin, S. Wilson, H.B.	Sampling and measurement of aerosols: UO_3 particle size studies.	10/15/48
UR-87 p.18-24	LaBelle, C.W.	Biological effects of pile dust.	7/30/49
UR-103 p.64-66	Lauterbach, K. Mitchell, J. Laskin, S.	Particle-size and specific-surface measurements for bulk zirconium compounds.	1/31/50
UR-116 p.37-49	Laskin, S. Leach, L. Wilson, R.H.	Experimental production and studies of uranium dioxide fumes.	4/27/50
UR-142 p.41-51	LaBelle, C.W. Stokinger, H.E. Dohl, J.M.	Organ weights and the calculation of transport of insoluble particles from the lung.	11/ 1/50
UR-142 p.76-78	Wilson, H.B. Sylvester, G.	The relation of optical density to quantity of UO_2 deposited on filter paper.	11/ 1/50

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UR-164 p.41-54	Stokinger, H.E. Steadman, L.T. Wilson, H.B. Sylvester, G.E. Dziuba, S. LaBelle, C.W.	Lobar deposition and retention of inhaled insoluble particulates. (<u>Arch. Ind. Hyg. Occupational Med.</u> 4: 346-53, 1951)	5/ 9/51
UR-174 p.104-16	Leach, L.J. Laskin, S. Lauterbach, K.E.	Experimental production and studies of a beryllium oxide fume.	7/31/51
UR-300	Hilcken, J.	Tyndallometric estimation of polydisperse aerosol deposition in man. (Thesis)	2/12/54
UR-307	Morken, D.A.	A radon exposure unit for small animals.	1/13/55
UR-308	Morrow, P.E. Casarett, L.J.	An experimental approach to the study of the respiratory deposition and retention of certain alpha emitters.	3/18/55
UR-377	Lauterbach, K.E. Hayes, A.D. Coelho, M.A.	An improved aerosol generator. (<u>A.M.A. Arch. Ind. Health</u> 13: 156-60, 1956)	7/12/55
UR-415	Morken, D.A. Morrow, P.E.	The control and measuring systems of an apparatus for the study of respiratory tract retention.	1/11/56
UR-461	Shapiro, J.	Studies on the radioactive aerosol produced by radon in air.	9/11/56
UR-474	Mercer, T.T.	A study of some physical properties of an aerosol in relation to airborne decay products of radon. (Thesis)	3/29/57
UR-475	Mercer, T.T.	Charging and precipitation characteristics of sub-micron particles in the Rohmann electrostatic particle separator.	2/14/57

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UR-504	Morrow, P.E. Mehrhof, E. Casarett, L.J. Morken, D.A.	A study of the deposition of a submicronic aerosol in human subjects. (Abstract. Am. J. Physiol. 187: 618, 1956)	11/ 7/57
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M-2015 AECD-1916	Neuman, W.F. Neuman, M.W.	The deposition of uranium in bone. II. Radioautographic studies. (NNES Div. VI, Vol. 1., Chap. 24, Sec. 2) (J. Biol. Chem. 175: 711-4, 1948)	2/ 9/48
UR-29 AECD-2066	Boyd, G.A. Williams, A.I.	Stripping film techniques for histological autoradiographs. (Proc. Soc. Exptl. Biol. Med. 69: 225-32, 1948)	5/20/48
UR-33 AECD-2106	Boyd, G.A.	A comparison study of NTB and medium lantern slide emulsions for autoradiographs.	5/25/48
UR-45 p.98-102 AECD-2277	Boyd, G.A. Casarett, G. Altman, K.I. Noonan, T.R. Salomon, K.	Autoradiographs of C ¹⁴ incorporated in individual blood cells. (Science 108: 529-31, 1948)	10/15/48
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M-1891	Wills, J.H. Main, E. R.	A preliminary investigation of the effect of uranyl acetate upon the removal of xylose from the blood plasma of the rabbit.	3/16/46
M-2012 p.42-43	Hursh, J.B. Bennett, L.R.	Iodination of protein.	1/15/48
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UR-21 p.18-22	Salomon, K.	Hemin synthesis <u>in vivo</u> with glycine containing C^{14} in the alpha carbon atom.	4/23/48
UR-21 p.23-26	Salomon, K.	Hemin synthesis <u>in vitro</u> with glycine containing C^{14} in its alpha carbon atom.	4/23/48
UR-38 p.18-24	Salomon, K. Altman, K.I.	Some aspects of glycine metabolism. I. Experiments with bone marrow <u>in vitro</u> . (Studies on porphyrin and fatty acid metabolism). II. Experiments with spleen homogenates <u>in vitro</u> .	7/15/48
UR-38 p.77-96	Miller, L.L. Bale, W.F.	Studies of protein metabolism in the dog using C^{14} labeled DL-lysine. I. The distribution of C^{14} activity 24 hours after ingestion of C^{14} labeled DL-lysine. II. The fate of C^{14} labeled plasma proteins when injected intravenously into a normal dog. III. The fate of C^{14} labeled plasma proteins when injected into the peritoneal cavity of the experimentally ascitic dog. IV. The intermediary metabolism of lysine.	7/15/48

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UR-52 AECU-77	Altman, K.I. Casarett, G. Noonan, T.R. Salomon, K.	The distribution in rat tissues of the methylene carbon atom of glycine labeled with C^{14} . (<u>Arch. Biochem.</u> 23: 131-6, 1949)	12/20/48
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UR-78 AECU-422	Altman, K.I. Salomon, K.	Hemin synthesis in spleen homogenates. (<u>Science</u> 111: 117-8, 1950)	6/ 3/49
UR-87 p.53-74 AECU-490	Miller, L.L. Bale, W.F. Yuile, C.L. Masters, R.E. Tishkoff, G.H. Whipple, G.H.	Studies in protein metabolism in the dog using C^{14} -labeled DL-lysine. I. Synthesis and utilization of plasma proteins. (<u>J. Exptl. Med.</u> 90: 297-313, 1949)	7/30/49
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UR-96 p.21-29	Salomon, K.	Some aspects of glycine metabolism in bone marrow homogenates.	11/3/49

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UR-97	Clark, R.T., Jr. Stannard, J.N. Fenn, W.O.	The oxidation of carbon monoxide to carbon dioxide as shown by experiments with C ¹⁴ . I. The oxidation of carbon monoxide by isolated tissues. II. Evidence for the conversion of carbon monoxide to carbon dioxide by the intact animal. (<u>Am. J. Physiol.</u> 161: 40-46, 1950; 162: 560-4, 1950) (<u>Science</u> 109: Part II, 615-6, 1949) (<u>Federation Proc.</u> 8: 26, 1949)	10/27/49
UR-100	O'Leary, J. Neuman, W.F.	Experiments with paper chromatography of the animal phospholipids.	12/ 9/49
UR-103 p.14-20	Salomon, K. Altman, K.I. DellaRosa, R. Sanfilippo, S.J.	Studies on the biosynthesis of chlorophyll.	1/31/50
UR-116 p.14-22	Gabrio, B.W. Salomon, K.	The distribution of total ferritin in the intestine and mesenteric lymph nodes of horses after iron feeding. (<u>Proc. Soc. Exptl. Biol. Med.</u> 75: 124-7, 1950)	4/27/50
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UR-142 p.13-15	Altman, K.I. Miller, L.L. Richmond, J.E.	The role of the carbon skeleton of lysine in the biosynthesis of hemoglobin. (Arch. Biochem. 29: 447-8, 1950) (Arch. Biochem. 36: 399-410, 1952)	11/ 1/50
UR-142 p.29-40	Gosselin, R.E. Rothstein, A. Berke, H.L. Miller, G.J. Meier, R.C.	The metabolism of poly-phosphates in reference to the treatment of metal poisoning. (Am. J. Physiol. 163: 715, 1950) (J. Pharmacol. Exptl. Therap. 101: 14, 1951)	11/ 1/50
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UR-144	Altman, K.I. Miller, L.L. Bly, C.G.	The synergistic effect of cortisone and insulin on lipogenesis in the perfused rat liver as studied with α -C ¹⁴ acetate. (Arch. Biochem. Biophys. 31: 329-31, 1951)	11/29/50
UR-149*	Neuman, W.F. DiStefano, V. Mulryan, B.J.	Some observations on the role of phosphatase. (Nuclear Sci. Abstr. 5: 604, 1951)	1/15/51
UR-151*	Stokinger, H.E. Altman, K.I. Salomon, K.	The effect of various pathological-conditions on in-vivo hemoglobin synthesis. I. Hemoglobin synthesis in beryllium-induced anemia as studied with C ¹⁴ acetate. (Nuclear Sci. Abstr. 5: 778, 1951) (Biochim. et Biophys. Acta 12: 439-44, 1953)	1/19/51
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UR-189 p.33-38	Richmond, J.E. Altman, K.I.	The ozonolysis of substituted maleic acid imides and their use in the degradation of porphyrins. (XII Intern. Congr. Pure Applied Chem., <u>Abstracts of Papers</u> , p.70, 1951)	10/25/51
UR-200 p.27-35	Miller, L.L.	Experimental cirrhosis and its effects on amino acid metabolism and plasma protein production as studied with the aid of lysine- -C^{14} .	2/11/52
UR-203	Toporek, M.	L-histidine-2- -C^{14} , its synthesis and some aspects of its metabolism in rats. (Thesis)	6/11/52
UR-205 p.11-17	Mason, W.B. Coco, S. Knight, K.	Studies on the quantitative separation of protein bound iodine from iodide.	5/14/52
UR-208	Salomon, K. Richmond, J.E. Altman, K.I.	Tetrapyrrol precursors of protoporphyrin IX. I. Uroporphyrin III. (<u>J. Biol. Chem.</u> 196: 463-8, 1952)	5/19/52
UR-213 p.7-11	Feldman, I. Havill, J.R.	Concerning the presence of citrate in commercial crystallized bovine serum albumin. (<u>Science</u> 116: 691-2, 1952)	7/31/52
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UR-259	Bly, C.G. Miller, L.L. Bale, W. F.	Production of plasma and tissue proteins by non-hepatic rat organs as studied with lysine- C ¹⁴ . (<u>J. Exptl. Med.</u> 99: 133-53, 1954)	5/26/53
UR-260 p.63-65	Miller, L.L. Rothstein, M.	A simple procedure for the detection and isolation of intermediary metabolites from radioactive precursors.	5/29/53
UR-268 p.19	Axelrod, L.R. Miller, L.L.	Metabolism of adrenal cortical hormones in the isolated perfused rat liver. (Abstract. 37th Annual Fed. Meet., Chicago, Apr. 6-10, 1953)	9/ 2/53
UR-268 p.21	Rothstein, M.	Intermediary metabolism of DL-lysine-C ¹⁴ . (Abstract. 37th Annual Fed. Meet., Chicago, Apr. 6-10, 1953)	9/ 2/53
UR-275	Neuman, W.F. Hodge, H.C. Morrow, P.E. Toribara, T.Y. Mulryan, B.J. Casarett, L.J.	Evidence for complex-ion formation in calcium bicarbonate system. (<u>Nuclear Sci. Abstr.</u> 8: 54, 1954) (<u>J. Biol. Chem.</u> 219: 551-5, 1956)	9/ 8/53
UR-281	Megirian, R.	The metabolic fate of synthetic metaphosphates and their influence on human excretion. (Thesis)	9/17/53
UR-289	Rothstein, M. Miller, L. L.	The metabolism of L-lysine-6- C ¹⁴ . (<u>J. Biol. Chem.</u> 206: 243-53, 1955)	10/29/53

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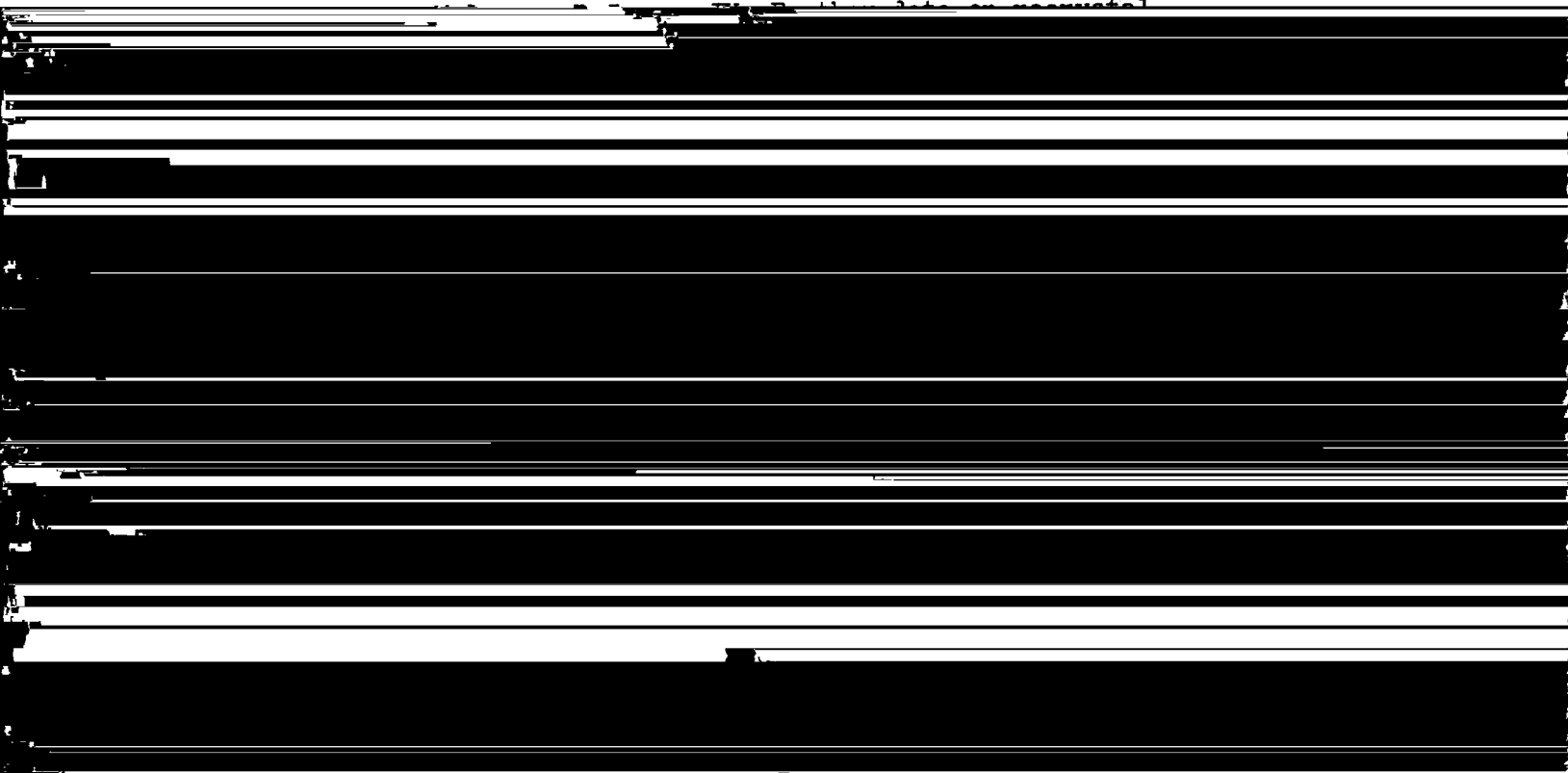
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UR-142 p.127-34	Stannard, J.N.	[Radiological Physics Course, 1950-51]	11/ 1/50
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UR-45 p.14-20	Noonan, T.R. Casarett, G.	Comparison of histopathological effects of radiation in adult and weanling rats subjected to 800 r acute body x-radiation.	10/15/48
UR-45 p.21-34	Steadman, L.T. Thompson, H.E.	Measurements on the blood plasma proteins of irradiated rabbits.	10/15/48
UR-45 p.35-43	Howland, J.W. Bennett, L.R.	Preliminary studies on the role of the adrenal in the radiation syndrome.	10/15/48
UR-45 p.43	Bradford, W.L.	Preliminary studies to determine the effect of the route of inoculation on the white blood cells in mice.	10/15/48
UR-45 p.43-44	Bradford, W.L.	Effect of x-ray irradiation on experimental murine pertussis.	10/15/48
UR-45 p.107-11	Hursh, J.B.	Effect of x-radiation on the uptake of iodine.	10/15/48
UR-46 AECU-17	Bennett, L.R. Collier, V. Kresge, M. Rekers, P.E.	A study of blood and salivary lysozyme in the x-irradiated dog.	11/ 1/48
UR-70 p.14-23	Steadman, L.T. Thompson, H.E.	Changes in plasma total lipids after whole body x-irradiation of rabbits.	4/25/49
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UR-96 p.31-34	Wilson, J.	Effects of x-irradiation on embryonic development in the rat.	11/ 3/49
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UR-104	Rekers, P.E.	Induced pregnancy in a mammalian host following severe total body x-irradiation. (<u>J. Lab. Clin. Med.</u> 37: 331-41, 1951)	3/30/50
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UR-189 p.20-32	Bair, W.J. Stannard, J.N.	Effects of x-rays on yeast growth and metabolism..	10/25/51
UR-189 p.39-45	Colgan, J. Gates, E. Miller, L.L.	Serum and urinary plasmin activity related to the hemorrhagic diathesis in irradiated dogs.	10/25/51
UR-191	Miller, R.W.	Some potential hazards of the widespread use of roentgen rays in pediatrics. (<u>Pediatrics</u> 11: 294-303, 1953)	3/13/52
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UR-200 p.54-58	Scott, J.K. Carr, M.	The activation of latent bartonellosis in the rat by external whole-body irradiation.	2/11/52
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UR-57 AECU-149	Field, J.B. Rekers, P.E.	Studies of the effects of flavonoids on roentgen irradiation disease. II. Comparison of the protective influence of some flavonoids and vitamin C in dogs. (<u>J. Clin. Invest.</u> 28: 746-51, 1949)	1/19/49
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UR-333	Ingram, M. Yettewich, G. Struthers, A.	Concentration of leukocytes from small samples of blood by centrifugation in plastic tubing.	6/16/54
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Monthly Progress Reports from June 15, 1943 thru June, 1947 may be found listed in UR-212, Index of Reports and Publications by the University of Rochester Atomic Energy Project.

QUARTERLY TECHNICAL REPORTS

<u>REPORT NUMBER</u>	<u>PERIOD COVERED</u>
M-2002	July 1 to September 30, 1947
M-2012	October 1 to December 31, 1947
UR-21	January 1 thru March 31, 1948
UR-38	April 1 to June 30, 1948
UR-45	July 1 to September 30, 1948
UR-60	January 1 thru December 31, 1948
UR-70	January 1 thru March 31, 1949
UR-87	April 1 thru June 30, 1949
UR-96	July 1 thru September 30, 1949
UR-103	October 1 thru December 31, 1949
UR-116	January 1 thru March 31, 1950
UR-127	April 1 thru June 30, 1950
UR-142	July 1 thru September 30, 1950
UR-152	October 1 thru December 31, 1950
UR-164	January 1 thru March 31, 1951
UR-174	April 1 thru June 30, 1951
UR-189	July 1 thru September 30, 1951
UR-200	October 1 thru December 31, 1951
UR-205	January 1 thru March 31, 1952

QUARTERLY TECHNICAL REPORTS

<u>REPORT NUMBER</u>	<u>PERIOD COVERED</u>
UR-213	April 1 thru June 30, 1952
UR-222	July 1 thru September 30, 1952
UR-242	October 1 thru December 31, 1952
UR-260	January 1 thru March 31, 1953
UR-268	April 1 thru June 30, 1953
UR-290	July 1 thru September 30, 1953
UR-311	October 1 thru December 31, 1953
UR-330	January 1 thru March 31, 1954
UR-348	April 1 thru June 30, 1954

The numbered Quarterly Technical Reports given Project-wide distribution were discontinued with UR-348 and replaced by an unnumbered Quarterly Review which was distributed to New York and Washington AEC offices only.

RADIATION INSTRUMENTS AND DOSIMETRY

M-1525A AECD-2278	Dessauer, G. Lennox, E.	Photographic neutron dosimetry to date.	7/14/44
M-1525E MDDC-1484	Dessauer, G.	A portable micro-r meter. Report on its development and description of its final form.	7/14/44
M-1535	Enns, T.	Ion chamber - electrometer for alpha particle determination.	
M-1552	Bale, W.F.	Report on Instrument Meeting in Eckhard Hall, Chicago, September 14-15, 1944.	9/26/44
M-1560	Gilda, J.E.	Directions for operation of Picker-Waite x-ray diffraction unit.	
M-1578	Dessauer, G.	Film monitoring of gamma rays on human body. Report on laboratory experiments and practical experiences at a certain warehouse.	11/ 2/44
M-1603 MDDC-1651	Bale, W.F.	Rochester ion meter. Construc- tion and operation details.	1/18/45
M-1610	Bonner, J.F. Esler, F.	Portable Geiger-Mueller counter. Design and construction detail.	1/22/45
M-1656 AECD-1973	Dessauer, G. Rouvina, J.	Photographic neutron dosimetry II.	3/28/45
M-1771	Bonner, J.F. Esler, F.L.	The use of Potter type scaling circuit for radiation counters.	9/25/45
M-1772 AECD-1972	Dessauer, G. Davis, K.E. White, F.A.	A radiation dose integrator of high sensitivity.	9/13/45
M-1773 AECD-1856	Dessauer, G. White, F.A. Rouvina, J.	A pressure ionization chamber for the measurement of neutron fluxes at tolerance level in portable instruments.	10/16/45

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M-1796	Esler, F. Bonner, J. Morken, D.	Foil alpha counter.	12/10/45
UR-21 p.94	Mermagen, H.	An extension of monitoring badges for beta and gamma radiations.	4/23/48
UR-38 p.97-104	Mermagen, H.	Investigation of film behavior: preliminary report on the wavelength dependence of a photo-sensitive emulsion in terms of densities recorded for known radiation intensities.	7/15/48
UR-70 p.68-71	Mermagen, H.	[Wavelength dependence of three photographic emulsions.]	4/25/49
UR-70 p.87-89	Mermagen, H.	[Differential ionization chambers for measurement of neutron flux.]	4/25/49
UR-103 p.88-92	Mermagen, H.	Calculations of radium exposures for photographic sensitometry.	1/31/50
UR-127 p.75-82	Dahl, A.H.	Quality evaluation of x-ray beams by metal-walled ionization chambers.	8/ 1/50
UR-127 p.82-89	Kanwisher, J.W. Bale, W.F.	Ionizing radiation dosimeter.	8/ 1/50
UR-142 p.96-125	Whipple, G.H., Jr.	Fast neutron survey of the small cyclotron.	11/ 1/50
UR-152 p.76-99	Blakney, R.M. Davis, T.P. Krolak, L.J. Pearse, H.E.	Development of a copper sphere radiometer.	2/ 1/51
UR-160	Vyverberg, R.G.	A quenching circuit for Geiger-Mueller counting of carbon 14 as carbon dioxide. (Thesis).	3/27/51

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UR-164 p.96-97	Dahl, A.H. Vyverberg, R.G.	Use of commercially available G.M. tubes for counting C^{14} .	5/ 9/51
UR-164 p.98-102	Roberts, C.J.	Phantom dog measurements.	5/ 9/51
UR-167	Kanwisher, J.W.	A chemical dosimeter for ionizing radiations. (Thesis) (<u>Nucleonics 10: 62-4, 1952</u>)	8/29/51
UR-180	Hursh, J.B. Zizzo, S. Dahl, A.H.	Use of commercially available portable survey meters for emergency fission product monitoring of water supplies. (<u>Nucleonics 9: C-16 - C-20,</u> 1951)	8/ 3/51
UR-189 p.56-60	Zizzo, S.G.	A cadmium sulfide crystal detector mounted in hypodermic needle for <u>in vivo</u> radiation studies.	10/25/51
UR-241	Roberts, C.J. Dahl, A.H.	X-ray depth dose measurements in a phantom dog.	2/19/53
UR-250	Dahl, A.H.	Measurement of x-ray beam quality by the use of metal wall to "air" -wall chamber ratios. (Thesis)	4/30/53
UR-253	Rausa, G.J.	Comparison of the photographic effects produced by cadmium and rhodium after neutron bombardment with reference to personnel monitoring.	10/ 7/53
UR-294	Mercer, T.T.	Atmospheric monitoring for alpha emitters using molecular filter membranes. (<u>Arch. Ind. Hyg. Occupational</u> <u>Med. 10: 372-80, 1954</u>)	1/ 4/54
UR-348 p.9-14	Davis, T.P.	An electronic relay.	8/26/54

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UR-362	Davis, T.P.	An electronic relay. (Abstract-included in UR-348)	8/26/54
UR-367	Krolak, L.J. Davis, T.P.	A universal spectrophotometer for the measurement of the relative spectral distribution of the carbon arc source.	11/10/54
UR-381	Baum, J.W.	Neutron dosimetry - a review.	3/29/55
UR-525	Anderson, L.L.	Design studies directed toward a self-nulling balanced-chamber ion-current instrument. (Thesis)	4/ 1/59
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	Zizzo, S.G.	A cadmium sulfide crystal counter for <u>in vivo</u> detection of radio activity. (Thesis)	1951
	Woodsum, H.C.	The use of ionization chambers for health physics survey of the BNL 3 BEV proton-synchro- tron. (Work done at Brookhaven National Laboratory) (Thesis)	1953
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AECD-1789	Bale, W.F.	Operation manual for Rochester ion meter.	2/ 6/48
AECD-2142	Failla, G. Rossi, H.H. Clark, R.K. Bailey, N.	The measurement of tissue dose of ionizing radiation. I. Beta ray emitting isotopes uniformly distributed in a homogenous tissue.	11/10/47
MDDC-1420	Failla, G.	"Shielded contact" grounding key for electrometers.	10/14/47

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M-1510	Bale, W.F.	Gamma ray activity of UX ₁ , UX ₂ separated from uranium metal.	3/ /44
M-2012 p.48-49	Hursh, J.B.	Back-scatter from silver foil samples.	1/15/48
UR-56 AECU-107	Bonner, J.F., Jr.	The half-life of Be7.	1/19/49
UR-96 p.57-65	LaBelle, C.W.	The distribution of radio- activity in pile filter dust as a function of particle diameter.	11/ 3/49
UR-164 p.90-95	Mermagen, H.	Activities of samples of precipitation following Nevada tests.	5/ 9/51
UR-234	Jespersen, H., Jr.	The probability theory of Geiger-Muller counters. (Thesis)	1/12/53
UR-270	Vosteen, R.E.	A flexible aural indicating alpha survey instrument.	6/ 3/53
UR-294	Mercer, T.T.	Atmospheric monitoring for alpha emitters using molecular filter membranes (Arch. Ind. Hyg. Occupational Med. 10: 372-80, 1954)	1/ 4/54
UR-311 p.6-9	Spiegl, C.J. Eldredge, D.M.	Preliminary studies of the relationship of radioactivity to particle size of "fall-out" materials.	2/ 9/54
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RESPIRATORS, TESTS OF

M-1512	Stokinger, H.E.	Tests of efficiency of respirators against uranium dusts.	4/11/44
M-1548	Stokinger, H.E.	Tests of efficiency of GMC canisters (for acid gases and organic vapors) in atmospheres of Compound 23 (Tribnol, Synthane) [boron trifluoride].	6/27/44
M-1555	Dygert, P. Sanford, R.A.C.	Tests of efficiency of 5 respiratory protective devices in atmospheres of 890 (Tribnol complex) [dimethyl ether boron trifluoride complex].	9/22/44
M-1580	Dygert, H.P. Oberg, H. Stokinger, H.E.	Relative efficiencies of the filter paper mask sampler and the glass electrostatic precipitator in determining the acceptability of respiratory protective devices in uranium dust atmospheres. Final report.	10/22/44
M-1588	Sanford, R.	Test of efficiency of a respiratory protective device against a toxic atmosphere of C-216 [fluorine].	11/11/44
M-1602	Stokinger, H.E.	Final report: UO ₂ F ₂ inhalation study. A 37-day study at a mean concentration of 12.2mg/m ³ of the A. Toxic effects of inhalation by laboratory animals. B. Tests of efficiency of respiratory protective devices.	8/ /44
M-1647	Sanford, R.	Tests of efficiency of five respiratory protective devices in atmospheres containing Tribnol [dimethyl ether boron trifluoride complex].	2/ /44

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M-1648	Dygert, H.P. Cohenour, L.B. Tarbell, A.	Amount of uranium and C-216 [fluorine] retained in U.S. Army Assault Mask Canisters containing "Whitlerite" used for short periods in high concentrations of C-616 [UF ₆]	2/ /45
M-1649	Sanford, R.	Tests of efficiency of two respiratory protective devices in atmospheres of C-216 [fluorine].	2/ /45
M-1650	Sanford, R.	Tests of efficiency of 4 respiratory protective devices in atmospheres of UO ₂ F ₂ and HF produced by the hydrolysis of UF ₆ .	2/ /45
M-1654	Stokinger, H.E.	U ₃ O ₈ one-month study at a mean concentration of 17 mg/m ³ of the A. Toxic effects of inhalation by laboratory animals and B. Test of efficiency of respirators.	3/ /45
M-1676	Dygert, H.P. Oberg, H. Sanford, R.	Annual report. Tests of respiratory protective devices in atmospheres containing uranium and C-216 [fluoride] compounds.	1/ /45
M-1677	Stokinger, H.E.	UO ₂ . A 30-day study at a mean concentration of 22.0 mg per cubic meter. A. Toxic effects of inhalation by laboratory animals. B. Tests of efficiency of respiratory protective devices.	2/ /45
M-1697	Sanford, R.	Tests of efficiency of 3 mask canisters in atmospheres con- taining C-716 [perfluoro- heptane] and C-816 [perfluor- octane].	5/ /45

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A 34-day inhalation study
at a mean concentration of
21 mg of uranium nitrate
 $\text{UO}_2(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ and tests of
respiratory protective devices
in atmospheres of $\text{UO}_2(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$.

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M-1996 AECD-1803	Hodge, H.C. et al.	Beryllium Symposium at the University of Rochester School of Medicine and Dentistry, 10 and 11 Dec- ember 1946.]	12/11/46
M-1996 part A	Hardy, H.L.	New clinical syndrome: delayed chemical pneumonitis occurring in workers exposed to beryllium compounds.	
M-1996 part B	Grier, R.S.	Acute pulmonary beryllium poisoning, six cases.	
M-1996 part C	Dailey, M.E.	A questionable case of beryllium poisoning.	
M-1996 part D	Turner, R.A.N.	Hazards of the beryllium industry.	
M-1996 part E	DeNardi, J.	Case histories and x-rays, lost-time records, descriptions of beryllium poisoning.	
M-1996 part F	Shilen, J.	Descriptions of certain processes and compounds involved in beryllium manufacture.	
M-1996 part G	Scott, J.K.	Thirteen case histories.	
M-1997	Hodge, H.C. et al.	Progress report of preliminary studies of beryllium toxicity.	9/ 1/47
M-1997 paper 3 MDDC-1237	Scott, J.K.	The pathological anatomy of acute experimental beryllium poisoning; peripheral blood changes resulting from intravenous administration of beryllium sulfate. (<u>A.M.A. Arch. Pathol.</u> 45: 354-9, 1948)	
M-1997 paper 4 MDDC-1233	Maynard, E.A. Downs, W.L. Hodge, H.C.	Certain aspects of the acute toxicity of beryllium following intraperitoneal injection.	

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M-1997 paper 6 MDDC-1232	LaBelle, C.W. Cucci, M.R.	Preliminary studies in the toxicity of beryllium; the effect of intratracheal injection of beryllium in experimental animals.	
M-1997 paper 7 MDDC-1318	Sprague, G.F. LaBelle, C.W. Pettengill, A.G. Stokinger, H.E.	Initial studies of the inhalation toxicity of beryllium sulfate and beryllium metal fume.	
UR-21 p.59	Scott, J.K.	BeSO ₄ Mist exposure - pathology.	4/23/48
UR-21 p.70-71	Neuman, W.F.	Distribution and excretion of beryllium.	4/23/48
UR-21 p.95-109	Howland, J.W.	Studies of patients with beryllium poisoning.	4/23/48
UR-21 p.60-69	Stokinger, H.E.	Acute and pilot in beryllium toxicity.	4/23/48
UR-21 p.72-81	Stokinger, H.E.	Changes in lipid patterns in beryllium poisoning - preliminary work.	4/23/48
UR-27 AECD-2280	Hodge, H.C. Howland, J.W. Laskin, S. Maynard, E.A. Neuman, W.F. Rothstein, A. Scott, J.K. Stokinger, H.E.	An outline of a beryllium program.	5/ 6/48
UR-31 AECD-2102	Sprague, G.F.	Initial studies of the inhalation toxicity of beryllium sulfate tetrahydrate dust.	5/17/48

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UR-35 AECD-2104	Allen, R. Bonner, G. Sparks, A. Neuman, W.F. Scott, J.K. Kosel, G.	The distribution and excretion of a soluble beryllium compound using Be ₇ as a tracer.	6/ 2/48
UR-38 p.45-47	Lauterbach, K. Laskin, S.	Particle surface area determinations of various grades of beryllium oxide.	7/15/48
UR-38 p.47-58	Sprague, G.F. Stokinger, H.E. LaBelle, C.W. Neuman, W.F. Allen, R.P. Maynard, E.A. Downs, W.L.	Concentration toxicity, intravenous injection. Pilot beryllium oxide. (grade "A") inhalation study. Acute, massive exposures to beryllium oxide and hydroxide. Acute toxicity of beryllium by intraperitoneal route. Acute toxicity by ingestion. Radiographic findings in tibial head. Chronic toxicity by ingestion. Effect of injected beryllium on number of offspring in rats.	7/15/48
UR-38 p.58-63	Spiegl, C.J. Stokinger, H.E. Ackerman, H. Neuman, W.F. Neuman, M.W. Rothstein, A. Hurwitz, L.	Change in blood lipid ratios as index of beryllium poisoning. Effect of superimposed beryllium exposure on tuberculosis in guinea pigs. Effect of beryllium on isolated cells. Mechanism of the deposition of beryllium in bone.	7/15/48
UR-38 p.105-32	Howland, J.W. Waterhouse, C. Keutmann, E.H. Bruce, R.A.	[Metabolic studies of patients with chronic pulmonary granulomatosis of beryllium workers.]	7/15/48

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UR-43 AECD-2391	Bruce, R.A. Lovejoy, F.W., Jr. Brothers, G.B. Velasquez, T.	Observations on the causes of dyspnea in chronic pulmonary granulomatosis in beryllium workers. (<u>Am. Rev. Tuberc.</u> 59: 364, 1949)	10/20/48
UR-45 p.56-62	Ashenburg, N.J. Sprague, G.F. Stokinger, H.E.	The inhalation toxicity of beryllium sulfate hexahydrate mist in animals at a concentration of 10 mg/m ³ for 95 days. The combined effect of inhalation of hydrogen fluoride gas and beryllium sulfate aerosol in rats.	10/15/48
UR-45 p.62-65	Maynard, E.A. Downs, W.L.	Intraperitoneal injection, beryllium oxide suspensions. Intraperitoneal toxicity of beryllium oxide in rats. Pilot experiments on the oral toxicity in dogs of beryllium oxides.	10/15/48
UR-45 p.66	Neuman, W.F. Allen, R.P. Scott, J.K.	Distribution and excretion of beryllium using Be ₇ as a tracer.	10/15/48
UR-45 p.66-68	Spiegl, C.J. LaFrance, L.J.	Changes in blood lipid ratios as an index of beryllium poisoning.	10/15/48
UR-45 p.68-71	Stokinger, H.E.	Rutin as a prophylactic and therapeutic agent in beryllium poisoning in dogs.	10/15/48
UR-63 AECU-154	Sprague, G. Meier, R. Pettengill, A. Smith, F. Scott, J. Stokinger, H.E.	Beryllium sulfate mist inhalation study at approximately 50 mg/m ³ .	2/16/49
UR-65 AECU-165	Sprague, G.F., Jr. Pettengill, A. Brown, B. Stokinger, H.E.	The inhalation toxicity of beryllium sulfate mist in animals at a concentration of 10 mg/m ³ for 95 days.	2/24/49

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UR-68 AECU-244	Stokinger, H.E. Ashenburg, N.J. DeVoldre, J. Scott, J.K. Smith, F.A.	The enhancing effect of the inhalation of hydrogen fluoride vapor on beryllium sulfate poisoning in animals. (Arch. Ind. Hyg. Occupational Med. 1: 398-410, 1950)	4/13/49
UR-70 p.32-35	Gosselin, R.	An observation on the colloidal nature of BeO in serum.	4/25/49
UR-70 p.35-39	Hall, R.H. Root, R.E. Stokinger, H.E.	Response of animals to inhalation of beryllium oxide.	4/25/49
UR-70 p.39-40	Maynard, E.A. Downs, W.L.	Acute intraperitoneal toxicity of beryllium acetate. Tooth changes following ingestion of a diet containing beryllium sulfate ($\text{BeSO}_4 \cdot 6\text{H}_2\text{O}$).	4/25/49
UR-70 p.41-45	Erickson, J.O. Spiegl, C.J.	Skin sensitization to beryllium compounds. Phospholipid and cholesterol analyses of red blood cells in acute experimental beryllium poisoning.	4/25/49
UR-70 p.72-81	Howland, J.W. Waterhouse, C. Keutmann, E.H. Bruce, R.A.	[Nitrogen metabolism in a patient with chronic beryllium poisoning - a three month study.]	4/25/49
UR-72 AECU-204	Allen, R.P. Bonner, G. Kosel, G.E. Neuman, W.F. Scott, J.K. Sparks, A.F.	The effect of added carrier on the distribution and excretion of soluble Be^{7} . (J. Biol. Chem. 182: 291-8, 1950)	5/11/49
UR-84 AECU-568	Hall, R.H. Ashenburg, N.J. Pettengill, A. Scott, J.K. Spiegl, C.J. Smith, F.A. Steadman, L.T. Laskin, S. Stokinger, H.E.	The inhalation toxicity of beryllium sulfate mist at a concentration of 1 mg/m^3 for 100 days.	6/25/49

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UR-87 p.26-29	Hall, R.H.	Toxicity of inhaled beryllium fluoride.	7/30/49
UR-87 p.29-40	Stokinger, H.E.	Production of anemia in acute experimental beryllium poisoning.	7/30/49
UR-96 p.71-73	Spiegl, C.J.	Changes in blood lipid ratios as an index of beryllium poisoning.	11/ 3/49
UR-96 p.73-76	Stokinger, H.E.	Beryllium content of tissues following recovery from acute experimental beryllium poisoning.	11/ 3/49
UR-101	Waterhouse, C. Keutmann, E.H. Howland, J.W.	Metabolic and cardio-respiratory studies on patients with beryllium granulomatosis.	11/18/49
UR-103 p.37-41	Hall, R.H.	Inhalation toxicity of beryllium fluoride mist.	1/31/50
UR-103 p.41-50	Stokinger, H.E. Root, R.E. Steadman, L.T.	Retention of beryllium following inhalation.	1/31/50
UR-103 p.51-54	Spiegl, C.J.	Changes in urinary uric acid: creatinine ratios as an index of beryllium poisoning.	1/31/50
UR-116 p.55-74	Hall, R.H. Stokinger, H.E. Root, R.E. Steadman, L.T. Stroud, C. Alling, E. Smith, F.A. Scott, J.K.	Animal inhalation exposure of BeF ₂ mist - 2 mg/m ³ .	4/27/50
UR-116 p.75-79	Stokinger, H.E. Root, R.E. Steadman, L.T.	Retention of beryllium in tissues following inhalation. II. Effect of diet on deposition and retention in rats.	4/27/50

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UR-118	Bruce, R.A. Lovejoy, F.W., Jr. Fu, N.G. Pearson, R.	Further observations on the pathological physiology of chronic granulomatosis associated with beryllium workers.	5/18/50
UR-125	Scott, J.	The experimental production of tolerance and osteosclerosis by repeated intravenous injections of beryllium sulphate.	7/17/50
UR-127 p.55-60	Smith, F.A. Stokinger, H.E. Steadman, L.T. Gardner, D.E.	Deposition of fluoride and beryllium in animal tissues following exposure to 2 mg BeF ₂ /m ³ .	8/ 1/50
UR-142 p.56-71	Stokinger, H.E. Steadman, L.T. Smith, F.A. Root, R.E.	BeF ₂ mist inhalation study in animals at 2 mg/m ³ .	11/ 1/50
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UR-174 p.104-16	Leach, L.J. Laskin, S. Lauterbach, K.E.	Experimental production and studies of a beryllium oxide fume.	7/31/51
UR-174 p.117-20	Gosselin, R.E.	The failure of hexametaphosphate to influence the renal excretion of radio-beryllium (Be ⁷).	7/31/51
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UR-225	Spiegl, C.J. LaFrance, L.J. Ashworth, B.J.	Selected blood and urine changes in experimental beryllium poisoning. (Arch. Ind. Hyg. Occupational Med. 7: 319-25, 1953)	10/31/52
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M-1528	Dale, P.P.	Addition of non-toxic amounts of fluorine (1 ppm as NaF) in domestic waters to provide protection against dental caries.	7/25/44
M-1657	Orcutt, J.A.	Local effects produced by application of 890 [boron trifluoride dimethyl ether complex] to the skin.	3/ 8/45
M-1658	Orcutt, J.A.	The effects of the presence of 891 [BF ₃] on the progress of healing of wounds.	3/ 8/45
M-1661	Orcutt, J.A. Smith, N.B.	The nature of the C-216 [fluorine] burn.	3/13/45
M-1673	Weil, C.S. Dygert, H.P.	891 [BF ₃] dust. A 30-day study. Mean concentration - 72.7 mg/m ³ . A. Toxicity of inhalation in mice. B. Tests of efficiency of respirator filter BM-2148.	1/ /45
M-1678	Weil, C.S. Horton, C. Bleasdale, J. Bishop, C.	Tribnol. [BF ₃] A 29-day toxicological study at a theoretical concentration of 100 parts per million; toxic effects of inhalation by laboratory animals.	12/ /44
M-1716	Cobler, J.G.	Mortality data for animal inhalation exposures to C-216 [fluorine] and to H(C-216) [hydrogen fluoride]	5/23/45
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M-1767	Maynard, E.A.	One-month experiment on the oral toxicity of CoF_3 in rats.	7/16/45
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M-1814	Eriksen, N.	A study of toxicological effects of the inhalation of gaseous fluorine at an approximate concentration of 8 mg/m^3 .	10/ /45
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M-1874	Eriksen, N.	A study of toxicological effects of inhalation of gaseous fluorine at a concentration of approximately 3 mg/m^3 .	10/ /45
M-1889	Eriksen, N.	A study of lethal effect of inhalation of gaseous fluorine (F_2) at concentrations from 100 ppm to 10,000 ppm.	10/ /45

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M-1940	Eriksen, N.	A 29-day study of the toxicological effects of the inhalation of gaseous hydrogen fluoride at a concentration of approximately 25 mg/m ³ .	12/ /45
M-1981	LaBelle, C.W.	Studies on toxicity of oxygen fluoride at levels of exposure from 10 to 0.1 ppm by volume.	1/ /45
UR-21 p.84-86	Smith, F.A.	Acute and pilot feeding studies of NaF.	4/23/48
UR-21 p.87	Smith, F.A.	Fluoride metabolism.	4/23/48
UR-38 p.69-71	Smith, F.A. Gardner, D.E. Maynard, E.A. Downs, W.L.	Acute and pilot feeding studies. (Fluoride) toxicity of sodium fluoride by ingestion.	7/15/48
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UR-70 p.59-62	Smith, F.A. Stokinger, H.E. Gardner, D.E.	Blood fluoride content following exposure to hydrogen fluoride.	4/25/49
UR-70 p.62-65	Smith, F.A. Stokinger, H.E. Gardner, D.E.	Normal blood and urine fluoride levels.	4/25/49
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UR-87 p.42-46	Smith, F.A.	Acute and pilot feeding studies (of sodium fluoride)	7/30/49
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UR-39	Stannard, J.N. Hursh, J.B.	Studies on the metabolism of polonium in experimental animals and long-term chronic exposure of animals to radioactive materials.	7/28/48
UR-42	Casarett, G.W.	A serial study of pathological and hematological effects of intravenously injected polonium in rats.	11/ 4/48
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UR-477	Casarett, G.W.	Pathologic effects of orally administered polonium.	11/30/56
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M-1696	O'Leary, J.C. O'Leary, J.F.	A study of the color in filtrates of uranium poisoned rat urines after precipitation with silver lactate-lactic acid reagent.	3/ /45
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M-1712	Roberts, E. Spiegl, C.J.	A 30-day study at mean concentration of 4.5 mg/m^3 of toxic effects of inhalation of uranium-nitrate dust in laboratory animals.	4/ /45
M-1713	Maynard, E.A.	One month experiment on the oral toxicity of UO_2 in rats.	5/ 7/45
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M-1746	Berkowitz, H.L. Rothstein, A.	The effect of uranium poisoning on capillary permeability as measured by Evans Blue dye method.	8/ 9/45
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M-1770	Neuman, W.F. Wills, J.H. Adler, D.L.	The localization of uranium in the rat kidney.	9/ /45
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M-1797	Dygert, H.P. Oberg, H.	Toxic effects of inhalation of UF_4 by laboratory animals, and tests of efficiency of respiratory protective devices in atmosphere of UF_4 .	4/ /45
M-1812	Weil, C. Horton, C. Pozzani, U. Wilson, H.	"Hi-grade" ore. One-month study at a concentration of 1.4 mg/cu meter of the effects of inhalation by laboratory animals. Final report.	12/ /45
M-1813	Hodge, H.C.	Review of the first year's work of uranium dust inhalation in experimental animals. Toxicological data of the inhalation studies of the various uranium compounds at high dust concentrations.	7/ /45
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M-1824	Cobler, J.G.	Uranium tetrachloride. UCl_4 . A 37-day study: toxic effects of inhalation by laboratory animals at concentration of 3.3 mg/m ³ .	10/ /45
M-1833	Stockinger, H.E. Dygert, H.P.	Uranium peroxide. A 23-day study at a concentration of 19.5 mg per cubic meter.	7/ /45
M-1835	Rothstein, A. Dittman, D. Berkowitz, H. Same, E.	Uranium trioxide. A 28-day study of toxic effects in laboratory animals resulting from inhalation of UO_3 dust at a concentration of 20 mg/m ³ .	11/ /45

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M-1838	Hodge, H.C.	Summary of experimental evidence of the toxicity of UO ₂ , U ₃ O ₈ , UF ₄ and "High-grade" ore.	10/ /45
M-1845	Maynard, E.A.	One month experiment on the oral toxicity of uranium nitrate in rats.	1/20/46
M-1846	Roberts, E. Bishop, C.W. Brodie, D.C. Wichser, F.W.	Uranium nitrate. UO ₂ (NO ₃) ₂ ·6H ₂ O. A one month study at mean concentration of 20 mg/m ³ of effects of inhalation by laboratory animals.	10/ /45
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M-1876	Hodge, H.C. Maynard, E.A.	Feeding certain uranium compounds to rats. Review of second year's work.	4/ /46
M-1877 AECD-2428	Crossland, R.S. Haven, F.L. Edwards, V.M.	Studies of unsaturation of phospholipid fatty acids of the liver, kidney, and blood of uranium-poisoned rats.	1/ /46
M-1883	Maynard, E.A.	One month experiment on the oral toxicity of uranium nitrate in mature rats.	2/ 9/46
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M-1892	Dygert, H.P.	Uranium tetrafluoride. UF ₄ . 30-day study of a concentration of 4.8 mg UF ₄ /m ³ .	7/ /46

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M-1901	Roberts, E.	A 30-day study at a concentration of 0.5 mg/m ³ of the toxic effects of inhalation of uranium nitrate dust by laboratory animals.	8/ /46
M-1903	Rothermel, J.J.	A study of toxicological effects of inhalation of uranium tetrachloride dust at a concentration of 0.2 mg/m ³ .	4/ /45
M-1904	Dygert, H.P. Oberg, H.A.	A 34-day inhalation study at a mean concentration of 21 mg of uranium nitrate UO ₂ (NO ₃) ₂ ·6H ₂ O and tests of respiratory protective devices in atmospheres of UO ₂ (NO ₃) ₂ ·6H ₂ O.	9/ /46
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M-1926	Rothermel, J.J.	A study of toxicological effects of the inhalation of uranium tetrachloride dust at a concentration of 1.8 mg/m ³ .	6/ /46
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M-1939	Rothermel, J.J.	A study of toxicologic effects of inhalation of uranium tetrachloride dust at a concentration of 0.4 mg/m ³ .	2/ /45
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M-1943	Neuman, W.F.	The distribution and excretion of absorbed uranium. Part 1. Analytical procedures and methods.	10/ /46
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M-1980 AECD-2204	Allen, R. Neuman, W.F.	The treatment with 2,3-dimercaptopropanol (BAL) of acute systemic uranium intoxication in rats. (NNES Div. VI, Vol. 1, Chap. 25, Sec. 8) (J. Pharmacol. Exptl. Therap. 96: 95-98, 1949)	5/26/47

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M-1983	Rothstein, A.	Inhalation toxicity of 0.19 mg/m^3 of UO_2F_2 .	4/10/45
M-1984-R AECD-2127	Thompson, H.E. Steadman, L.T.	Insufflation studies in rabbits with dusts of uranium compounds. 1943-47. (NNES Div. VI, Vol. 1, Chap. 22)	6/11/48
M-1992	Rothstein, A.	Inhalation toxicity of 9.3 mg/m^3 of UO_2 .	4/ /47
M-1993	Allen, R.P. Battaglia, J.A.	The effects of uranium dioxide powder applied subcutaneously to rabbits.	9/ /47
M-1994	Rothstein, A.	Inhalation toxicity of 2.0 mg/m^3 of UO_2 . A five-week study.	5/ /47
M-1995	Rothstein, A.	Inhalation toxicity in laboratory animals exposed to $0.65 \text{ mg } UO_2F_2/m^3$ for 34 days.	8/ /47
M-1999	Orcutt, J.A. Neuman, M.W.	The toxicology of uranyl nitrate following percutaneous absorption.	11/20/45
M-2006 MDDC-1731	Sprague, G.F.	Control exposure chamber studies. (NNES Div. VI, Vol. 1, Chap. 21A, Sec. 3.1)	1/ 9/48
M-2014 AECD-1915	Neuman, W.F. Neuman, M.W. Main, E.R. Muiryan, B.J.	The deposition of uranium in bone. I. Animal studies. (NNES Div. VI, Vol. 1, Chap. 24, Sec. 1) (<u>J. Biol. Chem. 175: 705-9, 1948</u>)	2/ 9/48
M-2015 AECD-1916	Neuman, W.F. Neuman, M.W.	The deposition of uranium in bone. II. Radioautographic studies. (NNES Div. VI, Vol. 1, Chap. 24, Sec. 2) (<u>J. Biol. Chem. 175: 711-4, 1948</u>)	2/ 9/48

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M-2016 AECD-1917	Neuman, W.F. Neuman, M.W. Main, E.R. Mulryan, B.J.	The deposition of uranium in bone. III. Effect of diet. (NNES Div. VI, Vol. 1, Chap. 24, Sec. 3) (<u>J. Biol. Chem. 175: 715-9, 1948</u>) (<u>Phys. Rev. 74: 1330-7, 1948</u>)	2/ 9/48
M-2017 AECD-2215	Neuman, W.F. Neuman, M.W. Main, E.R. Mulryan, B.J.	The deposition of uranium in bone. IV. <u>In vitro</u> adsorption studies. (NNES Div. VI, Vol. 1, Chap. 24, Sec. 4) (<u>J. Biol. Chem. 179: 325-33, 1949</u>)	3/10/48
M-2018 AECD-2018	Neuman, W.F. Neuman, M.W. Main, E.R. Mulryan, B.J.	The deposition of uranium in bone. V. Ion exchange studies. (NNES Div. VI, Vol. 1, Chap. 24, Sec. 5) (<u>J. Biol. Chem. 179: 335-40, 1949</u>)	3/23/48
M-2019 AECD-2019	Neuman, W.F. Neuman, M.W. Main, E.R. Mulryan, B.J.	The deposition of uranium in bone. VI. Ion competition studies. (NNES Div. VI, Vol. 1, Chap. 24, Sec. 6) (<u>J. Biol. Chem. 179: 341-8, 1949</u>)	4/ 6/48
UR-1 AECD-1780	Ashenburg, N.J.	Uranium tetrachloride. Two one-year inhalation toxicity studies of animals at 0.2 and 0.05 mg U/m ³ . (NNES Div. VI, Vol. 1, Chap. 21A, Sec. 3,4)	1/30/48
UR-2 AECD-2008	Ashenburg, N.J.	Uranium dioxide studies. (NNES Div. VI, Vol. 1, Chap. 21A, Sec. 3,5)	1/30/48
UR-4 AECD-1916	Spiegl, C.J.	The toxicity of uranium hexafluoride fume in animals exposed for one year to 0.05 and 0.2 mg U/m ³ respectively. (NNES Div. VI, Vol. 1, Chap. 21A, Sec. 3.3)	2/ 5/48

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UR-6 AECD-1963	Wilson, H.B.	The relation of particle size of UO ₂ dust to toxicity following inhalation by animals. (NNES Div. VI, Vol. 1, Chap. 21C) (<u>J. Ind. Hyg. Toxicol. 30: 319-31, 1948</u>)	2/12/48
UR-7 AECD-1919	Rothstein, A.	Uranium tetrafluoride: two one-year inhalation toxicity studies of animals at 3.0 and 0.5 mg/m ³ respectively. (NNES Div. VI, Vol. 1, Chap. 21A, Sec. 3.6)	2/17/48
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- Chapter 7. Relation of mutation frequency to dosage in Drosophila. W. P. Spencer and C. Stern. (MDDC-765)
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- Chapter 9. Observations on animals exposed to whole body x-radiation in divided doses over long periods. Introduction and techniques. A. H. Dowdy, R. D. Boche and F. W. Bishop. (MDDC-254)
- Chapter 10. Clinical observations, effects on growth and survival. R. D. Boche. (MDDC-204)

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- Chapter 12. Pathology in animals subjected to repeated daily exposure to roentgen rays. R. G. Metcalf, F. A. Inda, T. B. Barnett and G. W. Casarett. (UR-38)
- Chapter 13. Alterations in the clinical blood chemistry associated with chronic exposure of dogs to x-radiation. K. Fink. (MDDC-211)
- Chapter 14. Analysis of fingerprint changes in persons exposed to radiation. R. A. Harvey. (MDDC-216)
- Chapter 15. The influence of chronic irradiation with gamma rays at low dosages on the mutation rate in Drosophila melanogaster. E. Caspari and C. Stern. (M-1966, MDDC-1200)
- Section C. Observations on animals exposed to fractionated doses of fast neutrons.
- Chapter 16. Fast neutron irradiation procedure. E. McDonald.
- Chapter 17. Clinical, pathological, and hematological effects of chronic neutron irradiation. J. O. Ely, M. H. Ross, R. G. Metcalf, F. A. Inda, T. B. Barnett and G. W. Casarett. (UR-92)

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Robert M. Fink, ed.

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- Chapter 2. Polonium distribution and excretion experiments with animals. H. E. Silberstein, W. L. Minto, R. M. Fink, G. A. Boyd, R. G. Metcalf, W. Mann, C. P. Kimball, and A. T. Gorham.
- Chapter 3. Studies of polonium metabolism in human subjects. H. E. Silberstein, W. N. Valentine, W. L. Minto, J. S. Lawrence, R. M. Fink, and A. T. Gorham.

Part II. Distribution and excretion of radium. (AECD-2592)

- Chapter 4. Historical background. H. E. Silberstein.
- Chapter 5. General methods used in radium distribution and excretion experiments. H. E. Silberstein.
- Chapter 6. Radium distribution and excretion studies with rats. H. E. Silberstein.

Part III. Toxicity of polonium, plutonium, and radium in rats.

- Chapter 7. Pilot studies on the intravenous lethal dosage of polonium, plutonium, and radium in rats. G. A. Boyd, H. E. Silberstein, R. M. Fink, A. Frenkel, W. L. Minto, R. G. Metcalf, G. Casarett, and G. M. Suter. (AECD-2593)
- Chapter 8. Simultaneous studies on the intravenous lethal dosage of polonium, plutonium, and radium in rats. G. A. Boyd, A. Williams, W. L. Minto, L. V. Tiedeman, R. M. Fink, G. Casarett, and R. C. Metcalf. (AECD-2605)

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Box, C.J.	The effect of uranium nitrate on the cholesterol metabolism of the normal rat.	1945
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Casarett, L.J.	Autoradiographic studies on polonium.	1955
Cleveland, R.S.	An investigation of the effect of x-irradiated lusteroid on luminescent bacteria.	1955
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O'Brien, J.F.	The use of threshold detectors for neutron measurement at the BNL cosmotron. (Work done at Brookhaven.)	1955
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Green, M.	Studies on chlorophylls.	1957
Haft, D.E.	Metabolic studies on the isolated perfused rat liver.	1957
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Firschein, H.E.	The mechanism of action of the parathyroid hormone.	1958
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Jordan, H.C.	Constant protein catabolism of Walker Carcinoma 256 and human skin epithelium in tissue culture. (<u>Cancer Research</u> 19: 195-200, 1959) (UR-531)	1958
Keary, F.V.	The effects of sodium pentobarbital after x-irradiation.	1958
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Hansen, C.L., Jr.	The biological effects of upper body x-irradiation of beagles.	1960
Harris, M.D., Jr.	A study of chemical protection against single and fractionated whole body x-irradiation in the rat.	1960
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