

FLUORINE The complexities of halogen chemistry are legion and it is that very complexity that is employed by the less scrupulous fluorine advocates to stifle protest from their adversaries with pseudo-scientific, convoluted terminology which, very often they themselves do not understand. Very much a matter of 'the blind leading the blind'.

Fluorine is an element. Atomic number 9. Atomic weight 18.9984. Symbol F.

Fluorine is a halogen. There are five halogens known to contemporary science. In alphabetical order these are Astatine, Bromine, Chlorine, **FLUORINE** and Iodine.

Fluorine is one of the most poisonous substances known to the science of toxicology.

The word 'halogen' is derived from the Greek (*hals* meaning salt and *genes* meaning born). The word refers to the property of the element to combine with Sodium. Examples are: Sodium Bromide, Sodium Chloride, Sodium Fluoride etc.

This 'mixture' of a halogen and one or more other substances is called a "halide", the letters "IDE" being affixed to the first letters of the particular halogen title. Thus Bromine compounded with something else, becomes a Bromide. A Chlorine compound likewise becomes a Chloride and a Fluorine compound becomes a Fluoride.

The other ingredient/s of the halide are included in the title to completely identify the halide chemically. So Sodium mixed with Chlorine becomes Sodium Chloride. Potassium mixed with Bromine becomes Potassium Bromide and Calcium mixed with Fluorine becomes Calcium Fluoride and so on for literally thousands of simple and complex combinations.

For all practical purposes the element **FLUORINE** cannot exist as a single entity. It must always associate with another substance or substances to exist. That is to say it is only found as a **FLUORIDE**.

In this need for existence Fluorine, more so than the other halogen elements will combine avidly with almost any other substance or substances, taking its deadly potential along with it to impart a lethal hazard to what was formerly a most innocent and benign material. The resultant degree of toxicity is not in debate here.

A well recognised example of this 'chemical corruption' is in the medicinal drug "Fluorouracil" whereby the vital and totally inoffensive human metabolite "uracil" is converted into a deadly 'cytotoxic' (cell destructive) killer compound.

So then simple (duplex) Fluorine based compounds can combine or be combined with one or more other virtually harmless substances to create a chemical killer of considerable complexity and extreme danger.

A 'triplex' Fluoride is Sodium Fluoroacetate, marketed under the cover name of Compound 1080. Another is Fluoroacetamide (Compound 1081).

The designed deadliness of both of these **FLUORIDE** products is legend and promoted under the 1080 and 1081 labels but the close chemical relationship with the Sodium Fluoride in your water supply is vehemently denied. Much less admitted.

Other examples of multiple fluorides are "SARIN" (Isopropyl methyl-phospho**FLUORIDATE**) and "SOMAN" (Pinacolyl methylphos-phono**FLUORIDATE**).

Both these 'fluorides' are nerve gases, one drop of either of which, absorbed through the skin, will kill an adult human, in seconds.

In Martindale Extra Pharmacopoeia, under the heading Sodium Fluoride is the sub-heading "and other Fluorine Compounds" which include both 1080 and 1081.

Other data and relevant physiologic aspects of Fluorides have been set out in "The Dickinson Statement".

In closing this paper it should be pointed out that Fluorides are toxic to animals in a number of chemical and bio-chemical ways. CORROSIVE. ANTI-METABOLIC. ALLERGENIC. GENETIC. CARCINOGENIC. SYSTEMIC. ENZYME INHIBITING and CUMULATIVE are among the popular descriptions of the toxic activity of fluorides. As an "acute" poison, a comparatively large dose may be needed to cause extinction but as a "chronic" toxin neither the microscopic amounts needed nor the period of exposure (to cause death) have ever been evaluated. However, as an awesome indication, time lapse photography of the activity of living mammalian cells under the influence of ONE PART OF SODIUM FLUORIDE TO 60 MILLION PARTS OF WATER demonstrates almost immediate extinction of the cells. (Fluoridated tap water contains an "average" of TWO PARTS OF SODIUM FLUORIDE TO ONE MILLION PARTS OF WATER.

Suffice now to say:- In the final analysis all **FLUORIDES** are killers and who-so-ever administers, or causes to be administered any Fluoride on any pretext, by accident or by design to any person of any age is, by simple definition a KILLER.

- Ian E. Stephens, Melbourne, June 8th, 1988.