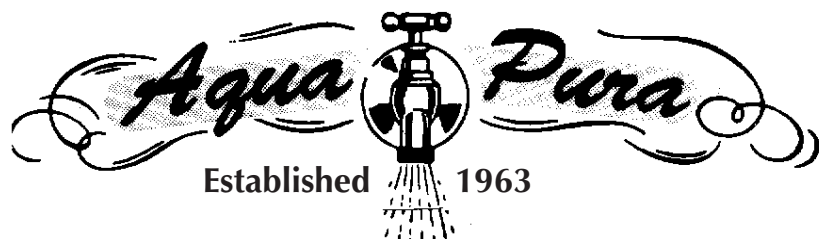


THE AUSTRALIAN FLUORIDATION NEWS



ARTIFICIAL FLUORIDATION IS WATER POLLUTION

Box 935, G.P.O. Melbourne, Vic., 3001
Phone: (03) 9592 5088 Fax: (03) 9592 4544
www.fluoridationnews.com
www.glenwalker.net

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Fluorine, fluorides and fluoridation: a little help for the perplexed.

Doug Cross, BSc. CBiol. MIBiol. EurProBiol.
Forensic Ecologist

Many people are confused by some of the technical words and expressions used in discussing the controversial subject of water fluoridation. Even 'experts' on both sides of legal confrontations in court are sometimes unaware of precisely what some of the terms mean. I have therefore selected some of the more commonly misunderstood expressions and provided short accounts on what they really mean, and how they are relevant to an understanding of the discussion on water fluoridation.

One of the most serious problems is the tendency of proponents of fluoridation to try to 'move the goalposts' during debates, or to invent new ways of describing processes when forced into a corner. Fluoride - whatever that is - is referred variously as a supplementary source of fluoride, an additive, a nutrient, and even (inadvertently) as a prophylactic cure for dental caries, an explicit medicinal claim. The issue of whether or not fluoridation is 'medication' is itself bogged down in controversy, because both the English and the Irish medicines regulatory authorities (the MHRA and the IMB) perversely refuse to recognise that fluoridated water is indeed a medicinal substance when examined under European Community law, European Court of Justice decisions, and domestic statutes laying down clear definitions of what constitutes a medicinal product.

The absence of a clear understanding of the legal status of the commercial product, fluoridated water, is remarkable, and a subject that itself merits inquiry. But since it remains a point of contention, I have adopted a pragmatic approach. In European law, any ingestible product (one that can be swallowed) is either a medicine or a food. Foods include water as well as supplements and additives. I have therefore provided short summaries of the expressions used by both sides in the argument, in order to clarify what expressions can, and what cannot, be used in referring to the various substances and processes that are at the heart of the confusion over this process.

I have started off with some simple chemical expressions, then examined some of the more common words and descriptions that cause confusion, or provide ways of

diverting attention from misleading statements and unwarranted claims. I hope that this will make it easier to hold meaningful debates, in the Courtroom, the Council Chamber and in public debate.

Some basic chemistry

Fluorine is an element, a highly reactive and toxic **gas**, but it does not exist as such in nature. It is **always** combined with some other element or group of elements.

Fluorides. When fluorine combines with a single element, generally a metal like potassium, calcium, aluminium, etc, it is a **fluoride**. Such chemicals are not chemically unreactive, however - in a solution (in water, for example) they act as if they have broken apart but they have a slight electric charge - they become **ionised**. Fluoride ions (F^-) have a single negative electrical charge. These ions are what react with other chemical ions to form new chemical compounds.

When sodium fluorosilicate gets blown about in the wind, it creates all sorts of environmental and health hazards.

Fluorosilicates. When fluoride combines with a group of elements which together form a complex ion, the resulting compound is **not** a fluoride. In the case of one of the chemicals used in water fluoridation, it is a **fluorosilicate** (SiF_6). The fluorosilicate ion contains six atoms of fluorine attached to one of silicon, and has two negative electrical charges. Fluorosilicate ions are not chemical entities that you can concentrate, store or use - they must be in one of two forms before they can be made into a product.

Solid fluorosilicates. Fluorosilicate ion may be linked to a positively charged ion other than hydrogen, such as a metal. So sodium fluorosilicate (Na_2SiF_6), a permitted fluoridation compound under UK and Irish law, is a stable solid substance, available to the water industry as a powder, but is rarely used in the UK or Ireland. When it gets blown about by the wind, it creates all sorts of environmental and health hazards - that's why the water industry does not like to use it.

Fluorosilicic acid. Fluorosilicic acid (H_2SiF_6) comprises a

fluorosilicate ion that is linked to two positively charged hydrogen ions (this is the defining characteristic of an acid). These balance the negative charge on the fluorosilicate ion, but the link is easily broken, allowing both ions to react vigorously with other chemicals that come into contact with them. This is why the acid is a highly corrosive liquid that must be stored in specially designed containers that resist the acidic attack. In fact the commercial product is **not** a pure solution, but a mixture of hydrofluoric acid (HF), fluorosilicic acid (H_2SiF_6), and a complex of fluorosilicic acid and silicon tetrafluoride ($\text{H}_2\text{SiF}_6\text{SiF}_4$). This means that intermediate breakdown products claimed to be present only fleetingly after the acid is introduced into the water at the water treatment plant, may already be present in commercial fluorosilicic acid before it is added to the water.

Where the law is vague about 'fluoride'.

The status of the substance 'fluoride' specified in the water quality regulations and in fluoridation in both English and Irish law appears at first sight to be confused, but in fact it is not. Whilst English and Irish law fail to establish the legal status of fluoridated water as a product in the enabling legislation on fluoridation, the European food laws are quite clear and unambiguous. The following explanation of the most commonly used terms in the legislation will help to clarify the situation.

- **Medicines.** Medicinal substances, medicines and medicinal products are any substances or products that are used with the **intent of preventing, treating or diagnosing any medical condition in humans.** It also applies to any substance or product that is **promoted** as having medicinal properties - **even if it has no known medicinal properties.** The key word is **intent** - once the intent to medicate is established, all such substances or products **must** be issued with a 'marketing authorisation' - in effect, a licence - before they can be used as such, or even promoted or advertised as having medicinal properties. Even ultra-pure 'water for injection' used in medicine is required to have a medicinal licence, so the concentration of the substance itself is irrelevant. It is a **criminal offence** to sell or administer an unlicensed medicinal product, or to advertise or promote any such product as having medicinal properties.

- **Foods.** Foods are any non-medicinal substances that are swallowed as part of the human diet. 'Food' includes drinks, and this includes water, so water is legally a food unless it contains any substance that has been added with the intent to medicate the consumer, in which case it is a medicine. It is a criminal offence to attribute any medicinal property to a food, food supplement, or food additive.

- **Nutrients and micronutrients.** Nutrients are substances that are essential to bodily health. If there is no known biochemical requirement for a chemical, or any deficiency disease associated with its absence, then a substance cannot be a nutrient, regardless of its concentration.

- **Supplements.** Food supplements are concentrated forms of essential nutrients, and must be packaged in dose form (tablets, pills, etc). Only authorised source materials for specified vitamins and minerals may be used in food supplement presentations such as pills, tablets, etc. In the EC the only authorised forms of 'supplementary' fluoride are sodium or potassium fluoride, yet there is no essential need for fluoride in the human diet, and supplementation of fluoride in the diet is impossible - it constitutes contamination. No fluorosilicates are permissible as food supplements. So-called 'natural' fluoride is mainly the mineral calcium fluoride

(CaF_2 - Fluorite, Fluorspar, Derbyshire 'Blue John'), but even this is not an authorised source of 'supplementary' fluoride in the diet, despite the promotion of the supposed merits of 'natural' fluoride by proponents of fluoridation.

- **Additives.** There are two basic classes of food additives.

Many substances are added to foods to assist in its manufacture, preservation, etc. They are not nutrients, and are present almost entirely for the **convenience** of the food industry. All such additives must be approved as safe to use, and are listed in the EC Food Additives Directive; once accepted as such they are allocated an '**E-number**'. No fluorides or fluorosilicates have an E-number, and none is included in the list of permissible food additives.

Only **essential nutrients** may be added to foods in the process of **fortification**, an attempt to avert the development of a nutritional deficiency disease or condition. No fluorides or fluorosilicates are permissible food additives, despite the inclusion of sodium and potassium fluoride as sources of 'supplementary' fluoride. In the EC the so-called 'fortification' of drinking water by fluorosilicates (or indeed, any form of fluoride) is not permissible, irrespective of the domestic enabling legislation, since the process employs an unauthorised additive.

- **Minerals.** Fluoride is listed in the EC foods legislation as a mineral. This is irrational - until it is combined with some other ion it cannot be a mineral in the geological or chemical sense. Fluoride is the only substance included in the EC list that does not have any nutritive function. No deficiency disease is caused by even its total absence from the diet (tooth decay is not caused by so-called 'sub-optimal' fluoride intake).

No deficiency disease is caused by even the total absence of fluoride from the diet - tooth decay is not caused by so-called 'sub-optimal' fluoride intake.

Minerals may be supplied as supplements, i.e., in concentrated dose form, or added to prepared foods provided they are included in the list of approved additives. No fluoride may be added to any prepared food - this includes water that is not bottled and sold as such. Naturally occurring fluoride is permissible in drinking water provided it is not fortified by the addition of an unlawful source of fluoride (i.e., as an additive). The EC's maximum permitted concentration of natural fluoride in drinking water is 1.5 mg/l; this does **not** provide permission to add 'fluoride' of any kind up to its maximum permissible concentration. **The objective of the EC water quality standards is to provide the best possible quality, not the worst permissible.**

- **Source materials for vitamins and minerals.** Only specified 'source materials' or 'starting materials' are permitted as a supply of fluoride as a food supplement. English and Irish law appears to assume that any substance that breaks down into fluoride can be used as a source of the 'mineral' fluoride. This is incorrect - the food additives directive allows minerals to be added to foods to 'fortify' them only if their source materials are listed in Annex II of the directive. Fluorosilicates used in the manufacture of the product 'fluoridated water' are therefore **not** permissible source materials, since they are not authorised for this purpose under the food additives directive.

- **Equivalence.** Fluoridation proponents claim that adding fluorosilicic acid to water allows the fluorosilicate ion to break down into 'fluoride', and assert that this 'fluoride' is no

different to 'natural' fluoride. They fail to explain where the silicon present in the fluorosilicate ion goes. The Water Research Centre (formerly a British Government-owned lab, now privatised) recently claimed that fluorosilicic acid breaks down completely into fluoride on dilution. In fact, it does not. Even ignoring the apparent disappearance of the silicon atom, progressive 'dissociation' (breakdown) of fluorosilicates occurs on dilution in water, releasing a number of different ionic substances.

Proponents of fluoridation continue to deny that there is any chemical difference between 'natural' and 'artificial' fluoride, even if they actually are aware of it, which most of them are not.

This was first described by Westendorf in 1975, yet proponents of fluoridation continue to deny that there is any chemical difference between 'natural' and 'artificial' fluoride, even if they actually are aware of it, which most of them are not. Fluorosilicates are therefore **not** an equivalent source material for fluoride - their toxicity is not in doubt, their safety in drinking water most certainly is.

- **Intermediate compounds.** It is claimed that fluorosilicic acid breaks down entirely to fluoride immediately on dilution at the treatment works. In fact this is untrue - see the entry of fluorosilicic acid above. But one of the intermediate compounds formed in the breakdown process is **silicon tetrafluoride - SiF₄**. This is a gas that is soluble in water. it is extremely toxic, and its presence in industrial emissions into the chimneys of the fertiliser and aluminium factories is one of the reasons that it is necessary to put 'anti-pollution scrubbers' (basically, water sprays) in them in the first place. These chemical works employ scrubbers to prevent the discharge of toxic chemicals to the atmosphere.

Silicon tetrafluoride contains only four of the original six fluorine atoms present in the fluorosilicate ion. The other two fluorine atoms have to go somewhere, so they combine with hydrogen ions in the water to form **HF - hydrofluoric acid**. This is a particularly dangerous substance, subject to very strict safety procedures under the Health and Safety regulations.

*The other two fluorine atoms have to go somewhere, so they combine with hydrogen ions in the water to form **HF - hydrofluoric acid**. This is a particularly dangerous substance . . .*

So whilst some SiF₄ and HF are present in the initial solution, yet more are released when the industrial acid is added to the treated water. This may be the reason why there are different toxicological results when the effects on human populations of adding so-called 'natural' fluoride or other pure fluorides are compared with those using artificially fluoridated water.

- **Toxic waste of the fertiliser industry.** Some people refer to fluorosilicic acid as a waste product, although the proponents have recently begun calling it a 'co-product' of the industries. The statement 'Once a waste, always a waste!' is relevant - according to the Integrated Pollution Prevention and Control (IPPC) Directive, any substance formed as a waste product remains so, even if it is subsequently used in

some other process. Since fluorosilicate is not found in nature, but is removed by anti-pollution scrubbers in smokestack emissions, its description as a 'waste' is justified. The discharge of over 99% of fluoridated water to sewers, and from waste water treatment works to the environment without first being consumed by humans, therefore constitutes the discharge of a toxic waste to controlled waters, and its legal status requires clarification.

Any substance formed as a waste product remains so, even if it is subsequently used in some other process . . . the description of fluorosilicate which is not found in nature as a 'waste' is justified.

- **BS EN Purity standards.** Proponents of fluoridation claim that fluorosilicates are not contaminated, but are produced under strict quality control standards, known as BS-EN standards. These standards refer to the chemical quality of industrial chemicals; they do **not** refer to food or medicinal grade products, and are **not** a substitute for either a medicinal product licence or their authorisation as a food additive. Numerous water treatment chemicals are regulated under the BS-EN system, but this does not mean that they are permissible additives to the final product.

How should you refer to fluoridation chemicals in debate?

Fluorosilicates are not chemically identical to fluorides, and you should not refer to them as silicofluorides - this gives the impression that they are some form of fluoride. Fluorosilicates are complex chemicals containing the element fluorine, but they are emphatically **not** fluorides of any kind. This difference is important, and is recognised in the EC legislation. Wherever the use of fluorides is permitted (as a 'mineral' in the case of the food supplements directive), the source material is **always** specified as a true fluoride (in food supplements, these are sodium and potassium fluoride), and not as a fluorosilicate.

Extremely Hazardous Substances, U.S. Environment Protection Authority Hydrogen Fluoride (HF) Cas Registry Number 7664-39-3

- **Unstable:** May generate flammable hydrogen gas in contact with some metals (Weiss 1980, p. 515)
- **Incompatibility:** Will attack glass, concrete and certain metals, especially those containing silica, such as cast iron. Will attack natural rubber, leather and many organic materials (Weiss 1980, p. 515)
- **Colourless, fuming liquid or gas with a strong, irritating odour:** When heated, it emits highly corrosive fumes of fluorides (*Sax 1975). Its corrosive action on metals can result in formation of hydrogen in containers and piping to create fire hazard (*Encyc Occupat Health and Safety 1971).
- **Uses:** Removing efflorescence from brick and stone; cleaning cast iron, copper, brass; polishing crystal glass; decomposition of cellulose; enamelling and galvanizing iron; in fluorination processes, especially in the aluminum industry; manufacture of fluorides; separating uranium isotopes; in making fluoride containing plastics; in dye chemistry (*Merck 1976).

Fluoridation - a Cultural Myth, not a Science

by Dr. H.C. Moolenburgh, Arts, The Netherlands

I feel affirmed in my growing conviction that fluoridation is one of the most telling characteristics of our present culture. How to define this?

When during the French Revolution in the nineties of the 18th century, the general belief in a ruling and benevolent God was totally eradicated, a spiritual vacuum was created that never before in known human history had existed. This vacuum infected the world population in its whole, starting at the intellectual top players (which before this time consisted for the overwhelming majority of devout Christians) and then slowly diffused through humanity.

It is a well known fact that nature abhors a vacuum, so it became a psychological necessity that a new myth would replace the old one; that God had created this world and was still concerned with it. Lo and behold what happened?

The French Revolution started in 1789 and in the days just before this happened, a revolutionary book called *Zconomia* was published. Its writer was Erasmus Darwin, and here the great alternative theory for creation was for the first time given to the world.

The grandson of this man, Charles Darwin, who just expanded on the work of his grandfather, finally gave the new myth its definite form in the book *"The Origin of Species"*. The vacuum was filled. The "religion" of our culture was born. So successful was this new myth, that it overwhelmed both intellectual and political leaders all over the planet.

Proof of the Myth

The strength of this myth and the proof that it is a myth and not a scientific reality, can best be seen in its absurdities; when simple scientific facts were put aside to keep the myth intact.

Example 1: *While scientists had long thought that spontaneous evolution of life from dust was possible, it was finally Louis Pasteur (born 1822) who proved that only life beget life and tiny creatures in the dust came not from dust but from their own sort. All the same, when the evolution myth became a general sort of science, evolutionists boldly declared that life had evolved from lightening striking a primeval soup.*

Example 2: *While it slowly dawned on the scientific community, starting with Mendel's laws (1822-1884) that the sorts were well defined, the evolutionists in the 20th century became so desperate because the "missing links" between the sorts predicted by Darwin could not be found, that in the face of adverse evidence they*

dreamt up the "hopeful monster" theory. Richard Goldschmidt postulated the theory that one day a full fledged bird crept out of the egg of a dinosaur. Biochemistry has proven in the meantime that this is impossible, but still the theory is taught to students.

So it happened that Friedrich Nietzsche (1844-1900) could write: *"Where has God gone? I will tell you. We have killed him, you and I. We all are his murderers."* (Nietzsche died mad as a hatter.)

From now on a new God became necessary, and as he could not be derived any more from an invisible world, that also had been declared non-existent, only one possibility was left open:

Man himself became the god of our culture. Just look at Hitler, Stalin and Mao, who were self created gods with their monstrous big pictures staring down on their populations and their cults of mass adoration. It is a well known fact, that Hitler and Stalin were devout evolutionists and that they derived their motive for killing large sections of their own populations from Darwin's slogan about the survival of the fittest.

Follies of our Age include Fluoridation

It is against this background that we must see many follies of our own age:

- The large epidemics of former ages had slowly dwindled to what we used to call children's illnesses, like measles, chickenpox, mumps etc. These mainly innocent diseases gave immunity for life. Complications existed but were comparatively rare. In an attempt to stamp these out, a mass vaccination program was devised, with children from their second month onward receiving cocktails of mitigated germs. The result was not a generation with strengthened immune systems, but with weakened ones, and a flood of chronic illnesses swept over our youth and is still increasing. When mad scientists play god, havoc is the result.

In fluoridation we have achieved a cumulation point of folly hardly matched by anything we have seen before in medical history

- The massive "war against cancer" with chemotherapy goes on apace, while it has been proven (with some exceptions like non Hodgkin and leukemia), that in the majority of cancers chemotherapy does not prolong life, though it gives a lot more suffering. Does his teach the doctors that they are on the wrong track? Not at all. The solution is making creative statistics showing that they are right.
- The massive attack on that great "public enemy" cholesterol, while it is well known by now, that cholesterol increase is not the **cause** of vascular disease, but its result.
- The genetic manipulation (rape is a better word) of our

Dr. Hans Moolenburgh, ARTS, is a Netherlands specialist with extensive knowledge of the effects of fluorides, including heading a group of doctors studying the effects of fluorides on the health of the population in Holland. The studies showed that patients were adversely affected by fluorides in water. He led in the successful campaign to prevent artificial fluoridation of public water supplies throughout Holland and the cessation of water fluoridation in all towns that had previously been artificially fluoridated, including Rotterdam. The details of these successful efforts are documented in his book *"Fluoride: The Freedom Fight"*, the story of how fluoridation was stopped in The Netherlands.

plants which pollutes the health of our food and already has caused dangerous side effects (or rather **main** effects, because in the end they are no good).

- And finally fluoridation, the vain-glorious belief that we can flout the laws of nature and eat what we want without consequences, as long as we put a waste product of industry in our water supplies, which is as poisonous as arsenic. In fluoridation we have achieved a culmination point of folly hardly matched by anything we have seen before in medical history.

All these examples show us how a sort of general lunacy has taken hold of the intellectual and political community and this was to be expected, for when a man makes himself god almighty, he will eventually be struck down by madness.

In the case of fluoridation all promises have come to naught and caries is rampant in Australia.

Scientific Evidence against Fluoridation is overwhelming

The difficulty in conquering fluoridation is not the lack of scientific evidence against it. The scientific evidence against it is overwhelming.

Neither is the difficulty that there should exist a conspiracy to hoodwink a whole population; though there exist conspiracy elements in fluoridation, but more in the sense of offering opponents good jobs or money (both have happened to me), when they would refrain from their opposition.

After all, conspiracies can be exposed. In my view however, the real difficulty is that we are up against a peculiar mental aberration of mainly the scientific and

political elite, who have been seduced by the age old lie, that man is god and can do whatever he wants.

Whole populations or part of populations can be infected by mental illness. I remember vividly from the war, when 80% of intelligent and cultural people like the Germans were worshipping a hysterical scarecrow (Jung's expression) like the mass murderer Hitler. Our intellectual elite do not try to learn from nature, but to force nature according to their own distorted thought patterns; and when that happens, nature hits back with a vengeance.

In the case of fluoridation all promises have come to naught and caries is rampant in Australia. And here again we see that the erroneous belief in the fluoridation solution, a pure illusion, is stronger than the simple fact that it does not help, which can be observed by every man with common sense.

A fluoride pusher reminds me of the old farmer who did not believe that there were giraffes in the world. Taken by his grandchildren to the zoo he carefully observed the giraffe, turned his back to it and said: "There simply is no such animal!"

Summary

To summarize: We are not up against reasonable people but men with a severe mental defect who believe they are gods. This is the real fluoridation battle and prophecies of old have foretold the culture, our own, where this type of men would flourish.

But the downfall of that culture is also certain, and in the meantime lonely whistleblowers have to cry their warning to a mainly apathetic public. They have an ungrateful and sometimes dangerous task, but they know with absolute certainty that one glorious day the folly will be blown away and truth will govern once more.

Pot of gold at end of the rainbow

Our wish is for all our readers to follow the rainbow's prismatic colours, so dramatic they captivate the attention of world populations with the promise of a Pot of Gold "at its end".

The brilliant coloured rainbow dulls the intelligence and commonsense of those fixed in gazing at the "promised gift". It has shades of political promises! Promises where members are always reviewing but never doing.

Conditions Apply!

Your **fixed** gaze must continue unmoved, unchanged and in perfect faith of this "pot of gold" conception from the end of the rainbow.

The next condition is carefully reported in media announcements where you are advised that the rainbow will illumine your brain for a minimum of 5-15 years before any evidence of "the Pot of Gold" occurs, indeed in some media reports it may be at least some generations whilst millions are supplied and the community grateful for such scientific evidence.

The Pot of Gold

Having researched nightly television programmes, we find grand medical announcements each night giving results of research that will cure almost every known disease.

The perpetual-motion personified by medical news of discoveries, that will either heal or stop most kinds of disease, "proven" in laboratories but "will be at least 15 years before it will be of benefit to the human race"!

The moral of this story is, "You must wait at least 5-15

years, so keep well or you never again hear of it"!

Seems we have been reading this "Pot of Gold" story for years, and editors of newspapers, magazines and television and radio keep the rainbow aglow, helped by using rose-tinted glasses in their relative propaganda.

Day by day reports on the excellence of medical research makes one wonder how this "excellence" never stumbles over fluorides, the invisible poison, invisible in their minds but actually very visible in true science and public health!

Why are we daily bombarded with discoveries that will heal all diseases, but our hospitals overcrowded and dentists exceptionally busy.

Fluoridation was promised in Parliament by Australian scientists(?) to eliminate dental decay and generally promulgated in our parliaments, the press and scientific journals that with the addition of a poisonous pollutant from fertiliser factories to our drinking water supplies, we would enjoy the end of dental decay. At the end of the dental rainbow, politicians in glowing words of appreciation in the parliaments, stated that **dentists were voting for and endorsing fluoridation even though it will take away their livelihood which in reality has flourished as never before, since fluoridation.**

Of course, this has never happened and rather spoils the belief about the Pot of Gold at the end of the fluoride rainbow.

Snake oil salesmen, individually and collectively, are permitted to reinvent the belief of a pot of gold at the end of a rainbow, but in reality the pot of gold is at the beginning of the rainbow, so much so, it illuminates the mystic rainbow in the minds of simpletons.

Damage to Nervous System from Fluoridated Water

Prenatal exposure

The human nervous system develops throughout gestation and in the early postnatal period; higher cognitive functions develop toward the end of gestation, when brain nerve cells become differentiated and brain development is particularly rapid, and soon after delivery. Slowly and with some difficulty, fluoride penetrates the fetal blood-brain barrier (*Fluoride*, 1986; 19: 108-12; *Chin J Epidemiol*, 1993; 2:97-8) to accumulate in the brain tissue (*Chin J Control Epidem Dis*, 1989; 4: 136-7).

The Chinese one-child-per-family rule has given us more evidence of the deadly effects of fluoride on the developing fetal brain. China has persisted with abortions in families who already have one child. In those areas with elevated fluoride and fluorosis due to coal-burning, fluoride has been found in brain tissue obtained from aborted embryos. Stereological and ultramicroscopy studies of this developing brain tissue show poor differentiation of brain nerve cells and delayed brain development (*J Fluoros Res Commun*, 1991; 138 [in Chinese]).

One of the dangers of fluoride is that this damage to a developing fetus occurs with levels far lower than those considered dangerous to adults. Fluoride effects on intelligence *in utero* occur at levels not toxic to the mother. In one study, fluoride concentration was higher in a typical mother's placenta than in her blood (*Gedalia et al.*, 1961; *Abstracts from USPHS Toxicological Profile on Fluorides*). Umbilical cord levels do not accurately reflect fetal fluoride status, suggesting that the placenta somehow isolates the fluoride as an innate protective measure (*J Perinat Med*, 1995; 23: 279-82). Eventually, however, enough fluoride crosses the placenta and reduces the available fluoride-binding sites in the newborn (*Pediatrics*, 1975; 55: 517-22).

The US Public Health Service reported in 1991 that millions of women in "optimally" fluoridated cities ingest from all sources - and expose their embryos and fetuses to - as much as 6.6 mg of fluoride per day (*US PHS, Review of Fluoride Benefits and Risks*, 1991). While the women themselves may not have symptoms or problems, such levels could be deadly to the brain of their developing babies.

Damage as adults

Do IQs drop still lower if high exposure to fluoride continues? Studies do not answer this directly, but there is some evidence that continued exposure does worsen mental problems.

High fluoride exposure appears to weaken mental function in a dose-related manner in adults as well as in children. Declassified 1944 documents show that one year before USPHS epidemiological 'testing' of fluoridation was to start in Grand Rapids, Michigan, and Newburgh, New York, the military/industrial complex had already acquired evidence that fluorides affect memory and cognitive skills.

The Manhattan Uranium Project concluded: "Clinical evidence suggests . . . mental confusion, drowsiness and lassitude as the conspicuous features. It seems most likely that the fluoride component is the causative factor" (*US Medical Corps document*, 4/29/44). Much of the evidence of adverse fluoride effects was censored out of the document, and later, related documents are 'missing' or have been made to

disappear by the US government (*Griffiths J, Bryson C, Fluoride, teeth and the atomic bomb, Waste Not*, 1997; Sept: 1-8).

Researcher Dr Bruce Spittle has cited examples of fluoride affecting adult mental function (*Int Clin Psychopharmacol J*, 1994; 9:79-82). As he concluded: "The late George L. Waldbott, MD, in 1979 studied 23 persons living within three miles of an enamel factory that emitted hydrogen fluoride into the air. Symptoms included a distinct decline in mental acuity, poorer memory, inability to coordinate thoughts and reduced ability to write. Those living further away from the factory were less affected and had lower urinary fluoride" (*Vet Hum Toxicol*, 1979; 21:4-8).

In 1981 after a fluoride overdose to the water of Annapolis, Maryland, Waldbott wrote: "Six [out of 112 who suffered ill effects] reported deterioration of their mental acuity, lethargy, loss of memory . . ." (*Clin Toxicol*, 1981; 18:537-49).

In another study of 60 aluminium smelter workers, 97 per cent had skeletal fluorosis and 22 per cent had psychiatric disturbances, including depression, mental sluggishness and forgetfulness (*Fluoride*, 1977; 10:12-6).

In other studies by Waldbott and colleagues, psychiatric symptoms such as lethargy, memory impairment, and difficulties with concentration and thinking began after fluoride exposure. This usually occurred with fluoridated drinking water, though three cases involved industrial exposure.

Chinese Study links I.Q. to Concentration of Fluoride in Water

Dental Fluorosis	Fluoride concentration	Number of children	Mean IQ
Non-fluorosis	<0.4 ppm	220	99.4 +- 10.4
Slight fluorosis	0.8 ppm	227	89.7 +- 12.7
Medium fluorosis	2.5 ppm	224	79.7 +- 12.7
Severe fluorosis	3.2 ppm	230	80.3 +- 12.9

A Chinese study of 907 children from four areas in Guizhou Province shows the degree of exposure to fluoride was clearly linked to IQ test scores.

Dr Spittle concludes, "There is suggestive rather than definitive evidence that chronic toxicity affecting cerebral functioning can follow exposure to fluoride" (*Int Clin Psychopharmacol*, 1994; 9: 79-82).

In light of the findings in China, however, the conclusions are moving toward certainty, and fluoride damage to intelligence may be worse in the UK and US than in China. Millions of embryos and infants receive daily fluoride at doses known to cause crippling skeletal fluorosis in adults (*US PHS, Review of Fluoride Benefits and Risks*, 1991).

Furthermore, fluoride intake may increase two- to fourfold or more during hard physical work in a hot climate - and even more if the water used in cooking and in beverages is also fluoridated. About 3 per cent of the US population drinks at least four litres of water a day, and more where the climate is hotter.

Boiling water evaporates chlorine while concentrating fluoride. If the water contains 4 ppm of fluoride, a person may ingest 16 mg of fluoride a day or more, in addition to the fluoride from other sources like toothpaste, food and air - enough to produce crippling skeletal fluorosis within a few years.

China is sensibly protecting the intelligence of its unborn children by defluoridating its water supply (*J Orthomolec Med*, 1993; 8: 149-53). We can all learn from their example.

Extracts from *What Doctors Don't Tell You*, Vol. 13, No 7, Oct 2002

Corruption, Stupidity, Ignorance or Logic and Commonsense

by Glen S.R. Walker

If fluoridation is everything scientifically and honestly claimed and promoted by certain groups, in privileged positions of trust, a sense of Logic (intelligence) would show world-wide, including Australia, communities clamouring for this claimed (not proven) miracle fluoride poison pollutant to be dumped into their drinking water supplies. **That does not exist anywhere.**

FACT:

Fluoridation is an unproven drug process forced onto people by scientific corruption, a case of undemocratic, intellectually dishonest pharmacology, and a political draconian, totalitarian, anti-constitutional procedure of Government.

The truth of fluoridation science, together with the inalienable rights of each person and our Constitution, are openly despotically sold for "28 pieces of silver" to fertiliser factories to rid themselves of the world's most potent toxic fluoride industrial waste by-product of manufacturing super-phosphate fertiliser.

Sodium silicofluoride and other fluoride chemicals are so toxic they are prohibited from exhausting freely into the atmosphere, prohibited from **dumping** anywhere **except into drinking water supplies.**

The scientific corruption is so openly simple to understand and yet the general public fall for the fluoridation scientific hoax. There are no great complicated scientific factors beyond commonsense and Logic to understand.

Fluoridation Logic cannot be denigrated by anyone irrespective of so called "position and title".

Science today is a target for money crunchers where

dollars override the health of a population and science in general.

However, in long term reality truth always emerges, unpolluted and safe from the artificial science of corruption.

The "Great Wall of Fluoridation Protection" is our Parliaments (politicians) unwilling to adopt a Law of Accountability, perhaps knowing full well the depth of such a necessary Act of Parliament and those involved, such as guarantees given by Parliaments and fellow travellers.

Consider the fluoride mafia, Governments and, of course, the politicians, but the real hierarchy is the enormous wealth of commercial and industrial conglomerates that seem to Govern the Governments!

Riding the gravy train one can observe the medical-drug companies looking forward to the day they can "openly" have their drugs added to drinking water supplies. Politicians are an easy ploy plus the people suffering from the Australian apathy disease.

Where would the dental profession be today without fluoride? A prize example of conquering the right (sic) to pollute the only common denominator in people's homes and all without any known scientific evidence of safety and effectiveness on the health of those being drugged.

The power of this modern witchcraft is illustrated in Mercks data on sodium silicofluoride, a RAT POISON!

However, the witchcraft experts have changed the Mercks authority by now nominating these poisonous fluoride chemicals as nutrients! Hail the power! (sic) of these health watch-dogs looking after you according to the Australian Constitution and the Laws of Pharmacology and if you wish, just add that precious rare word - honesty. T h e

Toxic Dump Rorts

Australian people are not only generally apathetic and trusting, but also generally illogical in their acceptance of bad scientific or commonsense awareness towards a good, healthy, safe lifestyle. Just imagine the anger and protestation against installation of "Toxic Chemical Dumps" in their particular area. Some reports show the extreme actions these communities utilise in their protestations.

One protest was the closing of a main road in their predicament, for the stoppage of a Chemical Toxic Dump that would, they say, cause serious problems in leakage of toxic waste into their drinking water table. This is not an isolated case of Government action or threat to a community in "providing" their people with a Chemical Toxic Dump.

What a strange case of generalised thinking about a scientific problem of toxic material polluting their drinking water. Not a word of protest about the exact same problem relating to fluoride poisonous pollutants collected in fertiliser factories and dumped by Government Law into drinking water supplies throughout Australia!

Toxic fluoride pollutants, prohibited from dumping into "Toxic Dumps" and not a word of protest. These toxic fluoride chemicals are prohibited from dumping into oceans,

rivers, lakes or landfills!

They do not object to such fluoride toxic material in their daily use via their kitchen taps, because the dentist and the Government tell them the fluoride toxic pollutant from fertiliser factory chimneys is good for them from cradle to the grave - all without scientific proof of safety.

This particular fluoride poisonous pollutant is a commercial sales promotion promoted by Governments, dental and medical associations without scientific proof of their claims. It's just a matter of modern sorcery, turning chemical toxic fluoride junk into gold.

Consider who really benefits from fluoridation! The people or the chemical conglomerates and their followers? (The followers are obvious).

A simple but important question with a simple answer, that is, if you allow intelligence rather than mythical gobbledegook to influence you accordingly.

Increase in Osteosarcoma in USA Fluoridated Areas

Water Board Chairman ignores evidence

Geelong Advertiser quotes the Chairman of Barwon Water Board, Stephen Vaughan, as saying the Anti Fluoridation groups are running a "guerrilla campaign" of misinformation. He also said these groups used a raft of unsubstantiated claims", to try to frighten people about fluoride in the water supply.

"Mr Vaughan also reported as a cancer specialist and has appeared as an expert witness in hundreds of court cases. He said the claims that fluoride causes a type of bone cancer called osteosarcoma were outrageous."

Whenever and wherever fluoridation is mentioned in public media there is always a "smart" reply by promoters countering scientific data, but never entering their claims in world scientific literature.

The 'outrageous' claims as Vaughan describes the scientific data on osteosarcoma is interesting because in 2001 Basin, a scientist at Harvard School of Dental Medicine, was awarded a Doctorate for a thesis that showed an increase of osteosarcoma in fluoridated areas in the USA.

Controlled study showed equivocal evidence of association between fluoride and osteosarcoma

In 2006, a matched case - control study of cases under 20 years old - was conducted through 11 USA hospitals, which included residential details of each patient, including type of drinking water, whether a public water supply, private well or bottled water.

Data was analysed for 103 cases of males under 20, together with 215 matched controls.

Fluoride in drinking water during growth was associated with an increasing risk of osteosarcoma with a heal from 6 to 8 years of age, considering with the mid-childhood growth spurt.

Fluoride in drinking water during growth was associated with an increased risk of osteosarcoma . . .

All the models were recontrolable robust in showing this effect.

The results are consistent with two ecological studies and the pattern was in a national Toxicology Program (NTP) animal study.

The NTP reported "equivocal evidence" for an association between fluoride and osteosarcoma, finding a positive association for male rats but no association with female rats. Data from the Surveillance, Epidemiology and End Results (SEER) revealed an unexplained increase in osteosarcoma in males less than 20 years of age in fluoridated versus nonfluoridated areas.

A similar but smaller study in New Jersey also showed an increase in osteosarcoma incidence rates for males less than 20 years old who lived in fluoridated areas compared to those living in non-fluoridated areas.

8 - The Australian Fluoridation News -Nov-Dec. 2007

The study by Bassin EB, Wypij D, Davis RB, Mittleman MA was reported in *Cancer Causes Control* 2006; 17:421-28.

It has been recorded in scientific literature that Bassin was awarded her doctorate on the basis of her research, meaning it has merit.

Instead of a glut of unsubstantiated fluoridation science in the Geelong Advertiser we cannot understand why this local cancer specialist has not challenged Bassin's doctorate directly in US medical literature.

We would welcome scientific proof from Vaughan showing scientific data published in world medical literature, in referred journals with data that proves fluoridation is safe for humans of all ages and living conditions.

It would be interesting to have proof that fluoridation has slashed tooth decay throughout places like Sydney NSW.

Keep fit - avoid fluoridated water

The Health Departments throughout Australia are the operating and protected public 'experts' on fluoridation.

They exercise their medical opinions in the daily media and most importantly through their privileged situation in each State Government by publishing unscientific data as "the untouchables".

Fluoridation true scientific data is a rarity in the Australian media but the Melbourne Herald-Sun, October 28 - 2007 published two interesting articles, "Eat yourself young" by Stephen Drill in which it is recommended, "**Drink filtered or spring water**".

The Sun Herald also published in the same issue a diet for each of the 23 sections of life. Nowhere in the health suggestions is the word fluoridation found!

In past public life history, "the untouchables" always were part of a protected group which seems to have regenerated into today's fluoridation mafia.

The utopian thinking of the fluoride-mafia exists even though the Australian media have collectively published the "dental epidemic" throughout Australia, even confirmed by the Prime Minister.

Leaving the print media out of this question of the failure of fluoridation, the Australian Dental Association C.E.O., Robert Boyd-Boland, was reported in the media 21 October 2007 as stating - he called Australia's dental health "third world".

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