

LE Magazine May 2002

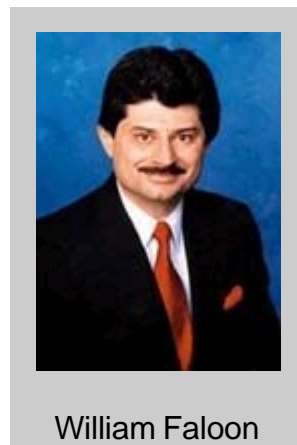
AS WE SEE IT

Vindication For Linus Pauling

A new government study says that radioactive fallout from nuclear weapons testing has caused at least 15,000 cancer deaths in the United States. This report was prepared as a joint effort by the National Cancer Institute and Centers for Disease Control and Prevention. Here is a chilling revelation from this report:

“Any person living in the contiguous United States since 1951 has been exposed to radioactive fallout, and all organs and tissues of the body have received some radiation exposure.”

For those who don't know, more than 2,000 nuclear tests have been conducted worldwide since the first nuclear bomb was built. The latest government report considered only above-ground tests that took place between 1951 and 1962. This study uncovered intense radioactive “hot spots” in the continental United States all the way from California and Washington to Vermont, New Hampshire and North Carolina.[1]



William Faloon



This report of 15,000 cancer deaths, however, is but preliminary. The full study is still being withheld from the public. Critics are accusing the Federal government of slowing the release of this information to minimize the consequences.

For decades, the Federal government contended that radioactive fallout from nuclear testing was harmless. Government propaganda films in the 1950's even showed American children playing in fresh radioactive ash to demonstrate that it was as “safe as snow”.[1]

Now that the lethal consequences of the government's deceit are being exposed, we commemorate the scientist who risked imprisonment for organizing protests that eventually caused the United States and [the former] Soviet Union to ban above-ground nuclear testing.

Linus Pauling: The scientist

Linus Pauling is the only person to ever win two undivided Nobel Prizes. The New Scientist magazine ranked Dr. Pauling as one of the twenty greatest scientists to ever live, an honor shared with such figures as Albert Einstein, Charles Darwin and Isaac Newton.

Dr. Pauling's research focused primarily on physical chemistry. In 1939 he published *The Nature of the Chemical Bond and the Structure of Molecules and Crystals* and was awarded the Nobel Prize in Chemistry in 1954.

During World War II, Pauling participated in scientific enterprises deemed vital to the protection of the country. Early in the war he was a consultant to the National Defense Research Commission and later became a member of the Research Board for National Security. For his contributions, which included work on rocket propellants, on an oxygen deficiency indicator for pressurized space, such as that in submarines and aircraft, and on a substitute for human serum in medical treatment, he was awarded the Presidential Medal of Merit in 1948.

Pauling's interest in the “behavior” of molecules led him from physical chemistry to biological chemistry. Dr. Pauling's research into amino acids resulted in the development of the first substitute for blood plasma.

In 1950, Dr. Pauling constructed the first satisfactory model of a protein molecule, a discovery that has implications for the understanding of the living cell. He studied and published papers on subjects as diverse as the effects of blood cell abnormalities, the relationship between molecular abnormality and heredity, the possible chemical basis of mental retardation, the functioning of anesthetics, the relationship of vitamin C deficiency to heart disease, etc.

Many of today's scientific and medical breakthroughs emanate from Linus Pauling's pioneering research in the fields of both physical and biological chemistry.

How Linus Pauling got into trouble

Linus Pauling knew that radioactive fallout-generated free radicals would cause cancer and other diseases in humans. Pauling joined with Albert Einstein and five others to form the Emergency Committee of Atomic Scientists. Their mission was to inform the public about the dangerous consequences that nuclear weapons and nuclear testing held for civilization.

In 1957, Pauling wrote a scientific appeal petition calling for a nuclear test ban treaty and distributed it throughout the scientific community. He soon gathered over 9,000 signatures from 49 countries including 2,000 American scientists. In 1958, Pauling presented the petition to the Secretary-General of the United Nations, announcing that it represented the general consensus of the world's scientists and their plea for a ban on future nuclear testing.

Pauling gave hundreds of lectures against nuclear weapons testing and war. Unfortunately, he toured during a time of heightened Cold War suspicions and was marked a Communist supporter. The Federal government refused to give Pauling a passport, thus denying him the opportunity to attend international scientific conventions. Pauling was twice subpoenaed to appear before congressional committees investigating anti-Americans activities to declare that he was not a Communist. On October 11, 1960 Pauling was threatened to be held in contempt of Congress because he refused to reveal the names of those who helped circulate his petition to ban nuclear testing.

Despite unrelenting governmental oppression, Pauling remained undaunted and continued his crusade by writing a draft resolution for a nuclear test ban treaty. He sent letters and copies of his resolution to both President Kennedy and Premier Khrushchev. The two superpowers agreed on a limited test ban treaty, one that was strikingly similar to Pauling's. The treaty went into effect on October 10, 1963, the very day it was announced that Pauling was to receive his second Nobel Prize.

Too far ahead of his time

By disseminating his knowledge about the lethal dangers of radioactive fallout, Pauling became a target of government harassment, harassment in the press and charges of working for the enemy. He could have been jailed for refusing to provide Congress with the names of those involved in gathering more than 9,000 signatures for the scientific petition to ban above-ground nuclear testing.

We are now learning that the government knew about the effects of above-ground nuclear testing, but covered it up. In the 1950's for example, government officials notified suppliers of photographic film of expected fallout patterns so they could protect their film, but did not share the information with milk producers. Many children drank this radioactive contaminated milk.

A 1997 report by the National Cancer Institute indicated that farm children who drank goat's milk in the 1950's in high fallout areas were as severely exposed as the worst exposed children after the 1986 Chernobyl nuclear plant accident. Death rates from leukemia and other cancers, and diseases caused by the Chernobyl accident, are estimated to kill tens of thousands in the future.[2]

Environmental groups are calling for the U.S. government to expand its compensation program for test site "downwinders" to include hot spots thousands of miles from the test sites, and to formulate and implement a comprehensive response to the public health threat posed by the fallout.

Comment from The New York Times, February 28, 2002

Dr. Linus Pauling's warnings of the increased incidence of cancer due to the fallout from atmospheric atomic weapons testing & the emissions of fission reactors were largely ignored by the mainstream media during his lifetime. Finally, in 1997, 40 years after his petition to the United Nations was denounced as "pro-communist," the US National Cancer Institute announced that large numbers of people, especially children, were exposed to dangerous levels of radiation from fallout. The damage done by the US, British, & USSR testing until 1963, of testing by France & China and, more recently, by Pakistan, India, et al, dispersed vast amounts of long-lived radioactive materials into the atmosphere. Since much of this consists of elements such as Iodine, Cesium, Strontium, etc. which falling into the oceans, are ingested by oceanic organisms such as algae, plankton, etc. &, falling onto the ground, are taken up by grazing animals such as sheep & cattle, it becomes increasingly concentrated the higher it goes up the food chain. While we have until now managed to avoid the catastrophe of nuclear war, it appears that those responsible for protecting the security of our respective nations have, in fact, poisoned life on Earth for thousands of years to come.

This preliminary report about the lethal effects of nuclear testing has alarmed some members of Congress, including Sen. Tom Harkin of Iowa. "What we know is maybe the tip of the iceberg here," Harkin said. "We know that there's been upwards of perhaps 15,000 deaths that are attributable to these nuclear tests." Congress received the preliminary report last August. The report was endorsed by the prestigious Institute for Energy and Environmental Research, but the government has yet to formulate a public health response.

"People have a right to know if they were exposed, where the big areas of fallout were, and they need to be screened and told what to do to protect their health," Senator Harkin said.

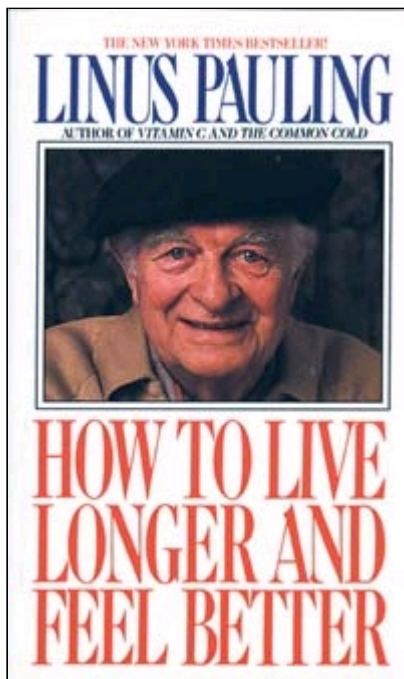
It is interesting to note that what Senator Harkin advocates today would have been considered heresy in the 1950's, since the government's official position at that time was that radioactive fallout was harmless.

Forty-five years ago, Dr. Linus Pauling formulated a public health response to eradicate this problem, but the Federal government chose instead to persecute this brilliant scientist and humanist so that the practice of raining radioactive fallout throughout the United States could continue.

As is too often the case, when the government makes a criminal accusation against a political dissident (in this case Linus Pauling), history later shows that it was the government itself who was involved in the sinister activities. What could be more anti-American than inflicting cancer on 15,000 innocent people?

Linus Pauling's theory about vitamin C and heart attack

Linus Pauling never stopped taking controversial positions. In the 1960's, he began to investigate the role that vitamin C played in human health. Pauling postulated that a cause of atherosclerosis is a life-long vitamin C deficiency.

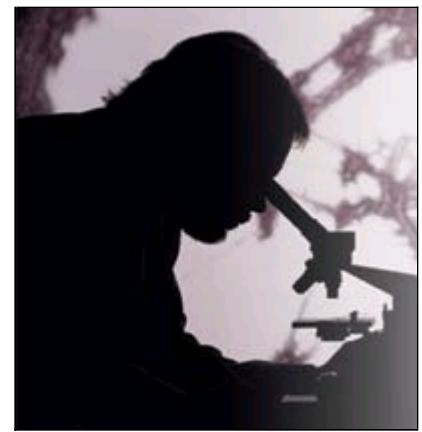


Linus Pauling's last book

Linus Pauling again exonerated

Over the past 12 years, a large volume of published studies has supported Linus Pauling's position on the role of vitamin C and heart disease. Many of these studies look at the beneficial effects that vitamin C has on the arterial wall, but what is most impressive are human epidemiological studies showing that people with high levels of vitamin C live longer and suffer fewer heart attacks compared to those with low vitamin C.

One of the first human studies that substantiated the benefits of vitamin supplements was announced in 1992 and showed that men



The only reason Linus Pauling was not thrown in jail for promoting the benefits of vitamin C is that he did not sell it. Before 1994, the FDA prohibited distributors of vitamin supplements from making health claims.

who took 800 mg a day of vitamin C lived six years longer than those who consumed the FDA's recommended daily allowance of 60 mg a day. This ten-year study, published in the journal *Epidemiology*,[3] showed that high vitamin C intake extended average life span and reduced mortality from cardiovascular disease.

A compelling report that high-potency supplements extend life span in humans was published in the August 1996 issue of the *American Journal of Clinical Nutrition*. This study involved 11,178 elderly people, who participated in a trial to establish the effects of vitamin supplements on mortality. When the effects of vitamin C and E were compared, overall mortality was reduced by 42%. What made these findings significant was that the study compared people who took low potency "one-a-day" multiple vitamins to those who took higher potency vitamin C and E supplements. Only the participants taking high dose vitamin C and E supplements benefitted.[4]

A study published in the *British Medical Journal* evaluated 1605 randomly selected men in Finland aged 42 to 60 years between 1984 and 1989. None of these men had evidence of pre-existing heart disease. After adjusting for other confounding factors, men who were deficient in vitamin C had 3.5 times more heart attacks than men who were not deficient in vitamin C. The scientists' conclusion was, "Vitamin C deficiency, as assessed by low plasma ascorbate concentration, is a risk factor for coronary heart disease."[5]

In a study published last year in *The Lancet*, researchers at Cambridge University in England looked at serum vitamin C and how long people lived. People who had the lowest levels of vitamin C were twice as likely to die compared to those with the highest serum vitamin C levels. This study was based on the findings from over 19,000 people.[6]

Does vitamin C cause kidney stones?

Linus Pauling came under attack by medical doctors who asserted that vitamin C caused kidney stones. Based on Dr. Pauling's molecular knowledge of chemistry, he meticulously rebutted these unfounded allegations. What Dr. Pauling lacked in the 1960's and 1970's, however, were human studies to validate that vitamin C did not increase kidney stone risk.

Dr. Pauling was exonerated again by a report from Harvard Medical School that showed no increased risk of kidney stones when evaluating 85,557 women over a 14-year study period. This report, published in the April 1999 issue of the *Journal of the American Society of Nephrology*, showed that women who consumed 1500 mg a day or more of vitamin C were no more likely to develop kidney stones than women who consumed less than 250 mg of vitamin C a day. The study did reveal that women who consumed 40 mg or more of vitamin B6 were 34% less likely to contract kidney stones compared to women taking fewer than 3 mg a day of B6. [7]

The only reason Linus Pauling was not thrown in jail for promoting the benefits of vitamin C is that he did not sell it. Before 1994, the FDA prohibited distributors of vitamin supplements from making health claims.

Can we stop persecuting today's Linus Paulings?

Those with new ideas often face fierce attack by the establishment and the Federal government. A recent example was the announcement that human embryonic stem cells had been produced and that there is now an opportunity to cure many of today's lethal diseases.

You would think that the scientist who made this remarkable discovery, Dr. Mike West, would be proclaimed a hero. Instead, government leaders immediately vowed to pass new laws to make it a crime to create embryonic stem cells for therapeutic cloning purposes. In Senate hearings, scientists and people afflicted with disease are appealing to lawmakers to not ban therapeutic cloning research.

If concerned citizens fail to contact their Senators to support therapeutic cloning, Dr. Mike West could join a renowned group of scientific geniuses (such as Galileo) who were persecuted and imprisoned based on their precocious scientific knowledge.

Our concern is that only a miniscule number of brilliant minds like Linus Pauling are ever born. When Linus Pauling stated that radioactive fallout caused cancer in humans, he was ridiculed, persecuted and almost incarcerated. Now 45 years later, Pauling has been proven right. This vindication does nothing for the 15,000 Americans who have perished from radioactive fallout-induced cancer.

Today, there are pockets of exceptional intelligence that are stifled by bureaucratic red tape. In order to create the scientific renaissance needed to radically extend the healthy human life span, we must break down the barriers that suppress implementation of new ideas.

I urge every Life Extension member to contact their Senator and demand that no ban be placed on human therapeutic cloning.

Urge Senators To Oppose Bill To Ban Human Cloning

We as citizens and Life Extension members must protect those brilliant minds (the Linus Paulings of today) who may be too intimidated to risk their personal freedom to bring forth the scientific truth.

For longer life,

A handwritten signature in black ink, appearing to read 'W Faloon', written in a cursive style.

William Faloon

References

1. CNN.COM/US Study: 1950s nuclear fallout worse than thought March 1, 2002 Posted: 1:56 PM EST (1856 GMT). <http://www.cnn.com/2002/US/03/01/nuclear.fallout/index.html>
2. IAEA underestimates health effects of Chernobyl published by WISE News Communique on April 26, 1996. <http://www.antenna.nl/wise/451/4457.html>
3. Enstrom JE, Kanim LE, Klein MA. Vitamin C intake and mortality among a sample of the United States population. *Epidemiology* 1992 May;3(3):194-202.
4. Losonczy KG, Harris TB, Havlik RJ. Vitamin E and vitamin C supplement use and risk of all-cause and coronary heart disease mortality in older persons: the Established Populations for Epidemiologic Studies of the Elderly. *Am J Clin Nutr* 1996 Aug;64(2):190-6.
5. Nyyssonen K, Parviainen MT, Salonen R, et al. Vitamin C deficiency and risk of myocardial infarction: prospective population study of men from eastern Finland. *BMJ* 1997 Mar 1;314(7081):634-8.
6. Khaw KT, Bingham S, Welch A, et al. Relation between plasma ascorbic acid and mortality in men and women in EPIC-Norfolk prospective study: a prospective population study. *European Prospective Investigation into Cancer and Nutrition. Lancet* 2001 Mar 3;357(9257):657-63.
7. Curhan GC, Willett WC, Speizer FE, et al. Intake of vitamins B6 and C and the risk of kidney stones in women. *J Am Soc Nephrol* 1999 Apr;10(4):840-5.

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