

WIRELESS RADIATION TIMELINE

Governmental **steps** and **missteps** for many decades

Readings of RF radiation throughout the village. **Concern**

Comment to the village and town boards, upstate NY, February 2025.

Good evening.

I've been recording readings of the wireless radio-frequencies along our village sidewalks. Some areas are now unsafe due to 'smart' meters radiating 24/7 *at head-height* on poles here and there. On Prospect St. the meters for dwellings 1 through 21 *all face the walk, one after another in close proximity* If these residents don't **opt out** of 'smart' meters, it will be hazardous to walk there! And I am very worried about how my sleep and my heart might be impacted if the four analog meters next door that face my home are changed to radiating 'smart' meters. What then? (Find online: "**Exhibit D – Smart Meter Health Effects Survey and Results**," pp. 64-96.)

Over 50 years ago, in **1971**, the **U.S. government** issued a report: "**Program for Control of Electromagnetic Pollution of the Environment**." In it, experts appointed by the Office of Telecommunications Policy stated that the EMF radiation from radar, TV, communications, industry, medical use and so on – which has "no counterpart in man's evolutionary background" – had permeated all areas of life. It warned: "unless adequate monitoring and control based on a fundamental understanding of biological effects are instituted ... man may enter an era of energy pollution ... comparable to the chemical pollution of today. [...] Undervaluing or misjudging the ... effects of long-term, low level exposure could become a critical problem for the public health, especially if genetic effects are involved."

Yes, we now have critical public health problems; and genetic effects are involved. This **1971 Program was not implemented**. (See Karl Hecht, 1916, Brochure 6, https://kompetenzinitiative.com/wp-content/uploads/2019/08/K1_Brochure-6_K_Hecht_web.pdf.)

A BRIEF TIMELINE:

- **1940 to 60** the **U.S. military** conducted studies on exposures to radiation from radar, documenting biological effects and behavioral impacts.

(The full report in 1978: "Health Effects of Microwave Radio Exposure, slides by Paul Dart, M.D., <https://alliance4mra.org/wp-content/uploads/2021/05/71-health-effects-of-microwave-radio-exposure-dart-presentation.pdf>.)

- **1953-78** Our scientists documented the gamut of health impacts from Russia's harassment of our Moscow embassy people with low-level microwave radiation.

(Cook et al, "Early Research on the biological effects of microwave radiation," 1940-1960, Annals of Science 37, p.323-351 (1980) https://core.ac.uk/reader/1670831?utm_source=linkout. The program of research was ended despite arbitrary standards and anxiety that not enough was known about the complex non-thermal effects.)

- **1960-97**, Russian scientists conducted studies of occupational exposures, proving "multimorbid clinical findings and ... regulatory disorders." U.S. scientists learned of the research in **1999**. (See Karl Hecht, 1916, Brochure 6, https://kompetenzinitiative.com/wp-content/uploads/2019/08/K1_Brochure-6_K_Hecht_web.pdf.)

- **1968 The Radiation Control for Health and Safety Act** became law. It requires the government to set standards for the radiation emitted by electronic products. By this law the **FDA must** "plan, conduct, coordinate and/or support research" toward these standards. Instead, **it grants wireless devices a pass**. (<https://www.law.cornell.edu/uscode/text/21/360ii> (Public Law 90-602; Section 21, subsection 360ii.)

- **1971** The **U.S. Office of Naval Medical Research** reported more than 100 biological effects from low frequency non-thermal exposures, giving about **2000 citations of the findings**. (Bibliography of Reported Biological Phenomena (Effects) and Clinical Manifestations Attributed to Microwave and Radio-Frequency Radiation, Zorach R. Glaser, Ph.D., Oct. 4, 1971, <https://apps.dtic.mil/sti/tr/pdf/AD0750271.pdf>.)

- **1982 The Environmental Protection Agency's Office of Radiation Programs** was working toward federal guidance to limit the public's exposure to wireless radiation. **But its last real review on radiation was in 1984** ("Biological Effects of Radiofrequency Radiation"). (The Environmental Health Trust, EHT, <https://ehtrust.org/the-regulation-of-wireless-radiation-in-the-united-states-exemplar-of-a-regulatory-gap/> and timeline: <https://ehtrust.org/timeline-of-development-of-safety-limits-for-wireless-radiation-in-us/>.)

- **1996 The EPA stopped measuring EMFs in cities and its EMF research was defunded. The Federal Telecom Act placed the FCC in charge. Section 704 of this Act said that municipalities may not consider environmental impacts when granting or denying applications; and this has been taken to include health**. The FCC ruled that radiation that doesn't heat tissues enough to cause ionizing damage is allowed. Low-level, non-ionizing damage is ignored. (EHT, <https://ehtrust.org/the-regulation-of-wireless-radiation-in-the-united-states-exemplar-of-a-regulatory-gap/> and: <https://ehtrust.org/timeline-of-development-of-safety-limits-for-wireless-radiation-in-us/>.)

- **1999** George Carlo, the head of the nearly \$30 million dollar industry-funded **Wireless Technology Research project on cell-phone safety**, reported "functional genetic damage" and a doubled risk of brain tumors. **The wireless industries mobilized wholesale to negate the research and destroy Carlo**. ("How Big Wireless Made Us Think That Cell Phones Are Safe: A Special Investigation," Mark Hertsgaard and Mark Dowie, *The Nation*, 3/29/2018, <https://www.thenation.com/article/archive/how-big-wireless-made-us-think-that-cell-phones-are-safe-a-special-investigation/>.)

- **2012** The **U.S. Government Accountability Office** asked the FCC to update its exposure guidelines. In **2019** after thousands of comments and expert testimonies, the **FCC kept its out-dated 1996 limits**. (GAO, Telecommunications: Exposure and Testing Requirements for Mobile Phones Should Be Reassessed, <https://www.gao.gov/products/gao-12-771>, see recommendations at the bottom.)

- **2018** at the request of the **Food and Drug Administration**, the nearly 20-year **National Toxicology Program study on Cell Phone Radio Frequency Radiation** reported "clear evidence" of an association with malignant schwannoma tumors in the hearts of male rats, "some evidence" of brain cancers, and evidence of a link to increases in DNA damage in several types of cells in response to cell phone radiation. **The FDA turned its back on these findings, also letting the FCC keep its old limits**. (NTP, Cell Phone Radio Frequency Radiation study, <https://ntp.niehs.nih.gov/whatwestudy/topics/cellphones>.)

- **2021** The **U.S. Court of Appeals, District of Columbia Circuit**, found the FCC's **2019** decision to keep its 1996 limits "**arbitrary and capricious**," but gave no date by which the FCC must update its standards. **The public is left uninformed, unprotected and in limbo**. ("Divided D.C. Circuit Remands FCC Retention of 1996 RF Limits," www.dwt.com/blogs/broadband-advisor/2021/08/fcc-radiofrequency-limits-dc-circuit.)

- **2023** a **Citizens Petition** with the **FDA** was filed, demanding that it obey the **1968 "Radiation Control for Health and Safety Act"** – that it actually will "plan, conduct, coordinate and/or support research" and set appropriate standards. To date it has not done so. ("It's not complicated. The FDA is violating its own law," <https://www.americansforresponsiblettech.org/fda>.)

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