

Appendix 2

Example of Defenders of Today's ELF and RF EMF Technologies

Though they likely could not have imagined the ultimate consequences of their actions, the following share varying degrees of responsibility for what has now simultaneously morphed into: 1) the worst violation of the Nuremburg Code – ever! 2) the most egregious crime against humanity – ever! And 3) the most blatant violation of a person's Charter of Rights and Freedom – ever! In no particular order, some of the key players are:

Health Canada

Daniel Krewski, PhD. He had been Director, Risk Management in HC's Radiation Protection Branch before moving to the new R. Samuel McLaughlin Research Centre, Population Health Risk Assessment. The latter was founded and funded, at least in part, by the telephone and wireless industry (CWTA), which also pays at least part of Dr. Krewski's salary. Professor Krewski is certainly one of, if not the, most senior and experienced EMF expert in Canada's entire EMF community. For years he has been a major influence on HC's Safety Code 6. He chaired two 'Expert Panels' for the **Royal Society of Canada*, which he orchestrated, even naming the other supposedly 'independent' experts he wanted to serve on the panel with him! [1] For the more recent panel, he was obliged to step down as Chair when he was found to be in conflict of interest. [2] [3] [4]

*HC chooses the members of RSC's "Expert Panels" without explanation, many who have known ties to industry and others who lack any relevant scientific education or experience! HC also selects the studies that are reviewed, cherry-picking ones that support the status quo while ignoring those done by independent researchers that show harm. This has been done consistently over the years, and in the recent review (2013) HC was held to account by many. Without justification or explanation, SC 6 levels were reduced dramatically – making all decisions suspect! HC also basis its decisions on '**weight**' of evidence' rather than on '**quality**' of evidence. Industry, with its seemingly bottomless pockets, historically has produced substantially more studies (invariably of shorter duration), most of which show that EMFs are harmless. By comparison, 'honest' scientists, who have to search for sponsors interested in and willing to pay for them to do much longer, thorough, scientific studies, produce far fewer studies – but almost all of which show that EMFs are indeed harmful to humans and other life forms! It also needs to be noted that experts say that the latency period of cancers, for example, can be more than 10 - even 20, 30 years or longer! Therefore, short or "quickie" studies have little, if any, value to true EMF scientists. Yet they all add to the "**weight**" of evidence!

Michael Repacholi, PhD. He too had been Director of HC's Radiation Protection Bureau before he moved on to the WHO (World Health Organization) in 1992, where he remained for some 23 years. While at the WHO, he became the inaugural Chairman of the newly created ICNIRP (International Commission on Non-Ionizing Radiation Protection), for whom he is now Chairman Emeritus. Not only is he credited with getting Canada to adopt the US Military's egregiously-high 'safety' standard, 10,000,000 $\mu\text{W}/\text{m}^2$ – thermal effects only - for RF / microwave frequencies, but he did the same for ICNIRP and, yet again, for the WHO! The latter he accomplished when he headed up the WHO's 10-year (1996-2005) International EMF Project! [5] He also was a member of the US military dominated IEEE/ICES subcommittee 4, which determines the 'safe' exposure limits of RF radiation humans can be exposed to - thermal effects only - for the USA.

While at the WHO, Dr. Repacholi also invited electric utility representatives to help him determine – **for the world** - ‘safe’ ambient levels of magnetic fields humans can safely tolerate in their homes from extremely low frequencies (ELF) or powerline (60 Hz) EMFs! [6]

Art Thansandote, PhD. Although he retired from HC in 2015, he continues as Co-Chairman of IEEE/ICES subcommittee 4, a position that he has held for at least 10 years! This is the subcommittee that establishes the ‘safe’ limit of RF EMFs humans can be exposed to – thermal effects only – for the US military. These then are simply adopted by the FCC (see below) who then promulgate them as if the FCC had determined them for the USA! [7]

James McNamee, PhD. (HC and has been a member of IEEE/ICES subcommittee 4 since 2001). It was he who, in 2013, in a Quebec Superior Court, admitted to the judge that for frequencies above 100 kHz, Safety Code 6 protected only against thermal effects of RF EMFs! He also was the lead author for HC’s recent revision of Safety Code 6 (2015). [8] For HC or any Western agency to change their stance now re. ‘non-thermal’ effects of EMFs would cause absolute chaos throughout Western countries: 1) crippling class-action lawsuits claiming diseases and deaths attributed to non-thermal radiation would be launched against governments and both industries in all countries that are party to this unparalleled corruption; 2) the electric power industry, globally, would be obliged to re-engineer its products to address the hazardous electric and magnetic fields which 50 Hz/60 Hz alternating current electricity generates; and, 3) wireless and telecom industries would not be permitted to sell their extremely lucrative but unproven and dangerous products (because they emit pulsed, non-thermal radiation) as none could pass independent, rigorous ‘safety’ tests. (*In 2015, Health Canada lowered Safety Code 6 ‘safe’ Exposure Limit to approximately 4.4mW/cm², which scientists say is still far too high!)

Mary McBride [9] Despite the obvious potential for conflict of interest (being a senior scientist for BC Cancer Agency) and for allowing herself to be misrepresented as being a PhD or an MD for more than 16 years, she was still selected to be a member of the Royal Society of Canada’s “Expert Panel” to review the potential health risks of radiofrequency fields from wireless communication devices (1999). It was also seen fit to select her, yet again, to be a member of an expert Advisory Committee for a National Tower Policy Review (the siting of cell phone towers) sponsored by Industry Canada (2005)! [10]

CWTA (Canadian Wireless and Telecommunications Association)

Bernard Lord, QC, ONB, former two-time Premier of New Brunswick. Fluently bilingual. Was once touted to lead the federal Conservative Party. Former Prime Minister Harper chose him to study the state of bilingualism in Canada. He played an enormous part in CWTA’s astonishing success across Canada, as few doors would not open to him. [11]

2008-2016 President and CEO of CWTA

2014 - Chairman, Ontario Power Generation

Board of Governors, Canada’s Telecommunications Hall of Fame.

WHO and ICNIRP

Constructive criticism of both organizations can be seen here: [12]

Anders Ahlbom, PhD., He is one of Europe’s most senior and influential EMF experts, but was

removed in 2011 as Chairman of IARC's (International Agency for Research on Cancer)'s Expert Panel (which was established to examine the cancer risks posed by cell phones) when it was found that he was a co-founder of his brother's telecom consulting firm Gunnar Ahlbom AB, Brussels, Belgium, which lobbies government on behalf of the telecom and wireless industry. Senior Professor Anders Ahlbom, PhD was head of the Institute for Environmental at the Karolinska Institute, Sweden (2009-2013). He had also been Chairman of the Scientific Council of EMFs for 10 years! [13] Page 15. The same Dr. Ahlbom also collaborated with Dr. Michael Repacholi in establishing ICNIRP's initial 'safe' Exposure Limit for humans exposed to RF EMFs (which proved to be the same dangerously high 'thermal-only' level set by the US military in 1965)! [14] He and Dr. Repacholi have worked together on other ELF and RF EMF issues. Both are members of industry-dominated ICNIRP! [15]

Hydro Quebec

Michel Plante (See Ref [5] Page 14)

Dr Emilie van Deventer, protégé of and successor to Dr. Michael Repacholi as the Scientist in charge of the International EMF Project at WHO. She supports those who say "... in worst-case scenarios and including significant safety factors, there was no need to further reduce limits for children." [16]

EPRI (Electric Power Research Institute)

Professor Leeka Kheifets, University of California, Los Angeles and EPRI, Palo Alto, CA, U.S.

See her relationship with Dr. Michael Repacholi and the important role she played at/for the WHO in determining the 'safe' ambient levels of magnetic fields to which humans can be exposed! She is on record for saying that no more research is needed on ELF EMFs as they do not cause breast cancer! [17]

Note also the name

William Bailey of Exponent, the Industry defense firm. (See Ref. [5] Page 17)

USA

Federal Communications Commission (FCC)

Tom Wheeler, venture capitalist, was Pres/CEO of the Cable and TV Association. Next he became Pres/CEO of CTIA (the Cellular Telecommunications and Internet Association). He is only person elected to the Hall of Fame in both industries! Then he became Chairman of the FCC, but not before he had raised more than \$700-million for Barack Obama's two successful US election campaigns. [18] Instead of protecting the people, he champions wireless technology, even forcing it on America, without any regard for the safety of its unsuspecting, defenseless people! He has said no testing will be done! No studies will be done! US Industry must remain number 1 in the world! [19]

Kenneth R. Foster (University of Pennsylvania), Mays Swicord, IEEE/ICES member (former Director of Motorola's Research Lab.) [20] Richard Tell (Richard Tell Associates and Chair of IEEE/ICES SC-2), John Moulder (has made a good living defending Industry in lawsuits), William Bailey, Exponent Inc. (IEEE/ICES member. Makes a good living defending electric utilities to utility commissions and the public.) [21]

The UK's Health Protection Agency

Professor Anthony Swerdlow is a very senior epidemiologist at the Institute of Cancer Research in the UK. He was also Chairman of the Advisory Group on Non-Ionizing Radiation Protection (AGNIRP) to Britain's HPA, is known to be in conflict-of-interest, i.e., he and his wife are known to be major shareholders in the U.K.'S telecom industry. His report concluded that there was no risk to using cell phones in the U.K.! Still, Britain elects not to remove him! [22] (Also see [2])

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