

Microwave Radiation - A Ticking Time Bomb! **Ignorant and Corrupt Governments Endorse Industry's** **Irradiation of an Innocent and Defenseless Public**

One cannot begin to imagine, let alone understand, the scope or gravity of the criminal experimentation to which virtually all Western countries are being subjected today until one realizes that: 1) the Russians irradiated the U.S. Embassy in Moscow for 23 years using the very same microwave frequencies used by Smart Meters, Wi-Fi routers, baby monitors, Smart Phones etc, oftentimes with less power than these devices use today! 2) Scientists and the military have known for more than 40 years that long-term, low-level, *non-thermal* pulsed microwave radiation is harmful to humans and all other life forms; 3) all living things are “beings of frequency” (See YouTube: “**Resonance – Beings of Frequency**”), and the resonant frequency of a human brain is between 0.5 and 30 Hz; 4) the world’s major militaries have long considered **microwave radiation** to be the “*perfect*” *weapon* - because none of mankind’s senses can detect it: one can’t see, hear, smell or feel microwave radiation – yet it is everywhere today! 5) because of Russia’s ‘experiment’ on the U.S. Embassy, militaries have known for 40-50 years that microwave frequencies can easily be ‘modulated’ to cause a predictable array of harmful effects to the brain – and every other organ of the body – ranging from hallucinations, paranoia, depression and insanity, to mind control and even killing a person; these are just some of the ‘options.’ And it’s all totally undetectable! One also needs to know that non-industry funded scientists have said that there is no such thing as a **SAFE** level of non-ionizing radiation; the only **SAFE** level is zero! (*Dr. Neil Cherry [1946-2003] and Dr. Robert O. Becker[1923-2008], both world-class scientists,*) [1] [2]

Why is it that today China, Italy, Switzerland, Russia, India, New Zealand, Bulgaria, Hungary, Austria and New South Wales, Australia all have radiation “Exposure Limit” safety guidelines that are 100 times lower/**safer** than Canada's Safety Code 6, and all of them factor in the *non-thermal* cumulative effects of microwave radiation, which have been shown to occur at levels thousands of times lower than the *thermal* effects? [3]

For the sake of today’s families and even more importantly for future generations, the public needs to wake up and realize that:

- Health Canada, Industry Canada, provincial and municipal governments and the Canadian wireless and telecom industries (joined recently by electric power utilities) have for years been mired in a shameful, incestuous relationship with the U.S. government and its military, and with other so-called radiation ‘standard-setting’ agencies of the world, all of whom have been partially if not completely infiltrated by the U.S. Government, its military and the inordinately powerful (and immensely profitable)

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wireless and telecom industries! None of these agencies – including Health Canada – recognizes the harmful ***non-thermal*** effects of radiation, which is the nub of the problem!

- Neither Health Canada nor Industry Canada protects Canadians from *long-term, low-level, non-thermal pulsed microwave radiation* such as is emitted by Smart Meters, cell phones, Wi-Fi routers, baby monitors and most of today's wireless devices. Canadians must remember tobacco, asbestos and Thalidomide, and that, of all the countries in the world that sold Thalidomide, Canada was the very last country to stop selling it to an unsuspecting and trusting public!
- At our peril, Health Canada and Industry Canada and B.C.'s Provincial Medical Officer have deliberately and stubbornly ignored the many warnings from various U.S. Federal Government agencies, all of whom attempted to have the U.S. Government (the White House) authorize a reduction of the U.S.' dangerously high radiation Exposure Limits – without success:
 - In 1979 the ***US NIOSH – National Institute of Occupational Safety and Health*** and the ***US OSHA – Occupational Safety Health Agency*** warned the U.S. Government about the harmful effects of ***non-thermal*** radiation. [4]
 - In 1990 the ***US EPA – Environmental Protection Agency*** tried to warn the White House about the dangers of EMR (electromagnetic radiation)! [5]
 - In 1990 a leaked document from the ***US EPA – Environmental Protection Agency*** concluded that power line (60 Hz) EMF (electromagnetic fields) should be classified a ***Probable carcinogen*** – but the report was quashed internally! [6]
 - In 1993 the US FDA - Food and Drug Administration issued a report saying that microwave radiation can promote cancer – but the report was ignored! [7]
 - In 1998 the ***US NIEHS – National Institute of Environmental Health Science*** classified ELF EMF (i.e., magnetic and electric fields from electrical sub-stations, power lines, house wiring electrical appliances) a ***possible carcinogen*** – which also was ignored! [8]
 - In 1998, the ***California Dept. of Health Services*** did a survey indicating that 120,000 California residents were so disabled by electromagnetic pollution that they were unable to work. By implication, this extrapolates to 1 million Americans. For instance, if half of Milwaukee 's population are adults, that is 12,000 people. — Shivani] [9]
 - In 1999, the ***US Consumer Affairs Commission*** stated that current *thermal* guidelines associated with EMR are *irrelevant*. *Cancer and Alzheimer's are associated with non-thermal* EMR effects. [10]
 - In 2002, the ***US FCC – Federal Communications Commission*** set microwave radiation limits more than 10,000 times HIGHER than levels known to cause illnesses all over the world, according to the EPA! [11]
 - In a July 16, 2002 letter from ***Norbert Hankin*** of the ***EPA's Center for Science and Risk Assessment, Radiation Protection Division*** to ***Janet Newton***, President of The EMR Network, Mr. Hankin writes: “The FCC's current exposure guidelines, as well as those of the Institute of Electrical and Electronics Engineers

- (IEEE) and the International Commission on Non-Ionizing Radiation Protection, are thermally based, and do not apply to chronic, non-thermal exposure situations.” [12]
- In 2005, *EHS* (electro-hypersensitivity) is recognized by *NIOSH – National Institute of Occupational Safety and Health* in the USA – 55 years after the Soviets recognized it! [13]
 - Since 2009, *David Michaels, PhD, MPH*, has been President Obama’s Assistant Secretary of Labor for the *Occupational Safety and Health Administration* and author of the book: *Doubt is Their Product: How Industry’s Assault on Science Threatens Your Health* (Oxford University Press, 2008). His studies and articles have been published in Science, JAMA, Scientific American, the International Journal of Epidemiology, the American Journal of Public Health and other scientific journals. From 1998 through 2001, he served as the *U.S. Department of Energy’s* Assistant Secretary for Environment, Safety and Health. [14]
 - In 2010, the *US EPA – Environmental Protection Agency* - publicly acknowledged that ELF EMF are a serious threat to health. “More and more people living near High Voltage lines have reported severe symptoms and even life-threatening diseases.” [15]
 - In 2010, *U.S. President Obama’s own Cancer Advisory Panel* urges application of the *Precautionary Principle* for EMF, pointing to cell phones and other wireless technologies as potential causes of cancer, and recommended: “When credible evidence exists that there may be a hazard, use **PRECAUTIONARY** approach.” [16]
 - *Dr. Devra Davis, PhD* – Nobel co-Laureate, former senior White House health advisor in Bill Clinton’s administration and an internationally regarded epidemiologist, in her 2011 book: *Disconnect, What the Cell phone Industry Doesn’t Want You to Know About Radiation Concerns* revealed that the cell phone industry is knowingly exposing us to dangerous levels of electromagnetic radiation. Today there are more than 6-billion mobile phone users! [17]
- As if that is not enough, Health Canada, Industry Canada and B.C.’s Provincial Medical Officer have also seen fit to ignore that:
 - The October 1992 issue of *Time Magazine* reported on the largest study ever concluded, that involved 500,000 people in Sweden, and which conclusively linked cancer to electromagnetic exposure. Even police departments have banned the use of hand-held radar guns because of the link between long term exposure to EMR emitted by the device and cancer in police officers. [18]
 - In 1992 a Danish study found a five-fold increase in the risk of childhood leukemia, lymphomas and brain tumours where children living near power lines were exposed to 4 mG. [19]
 - In 1993 the *cell phone industry’s own study* proved that cell phones are dangerous – but the report was hushed up and ignored! [20]

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- In 1995 separate studies at *Mt. Sinai Medical Center* in Miami Beach, FL, and the *Mayo Clinic* in Rochester, MN, conclude that cellular phones can interfere with cardiac pacemakers! (See former U.S. VP Dick Cheney, below) [21]
- In 1999, long before many of today's wireless devices appeared in North America, *Toronto's Board of Health* urged Health Canada then to reduce its 'guidelines' by 100 times! [22]
- In 1999 the *Royal Panel Report on RF frequencies* in which the panel acknowledged serious health effects e.g. blood brain barrier leakage, DNA damage, calcium efflux, and more Health Canada ignored the recommendation for caution, and SC 6 has remained unchanged since 1979. [23]
- In 2001 the *WHO's own IARC – International Agency for Research on Cancer* said ELF (60 Hz power line frequency) EMFs (electromagnetic fields) are “**Possible**” *carcinogens*. Twenty-one scientists from 10 countries unanimously found ELF EMFs (from electrical sub-stations, power lines, house wiring, and electrical appliances) are a Class 2B “**Possible**” *carcinogen* ...[24] (University of Victoria's *Dr. Maria Stuchly* remains unconvinced ...*Dr. William. Bailey-Exponent Inc.* and *Dr. Michael Repacholi* attended as observers) Note how often these names in red appear throughout this document.
- In 2002, Lorenzo Tomatis, the *Director of IARC* – International Agency for Research on Cancer (an agency of WHO) plus 30 other scientists from around the world went public claiming *IARC* had let industry get too involved in the decision-making as to what is or is not cancerous - referring to the downgrading of DEHP, which compromises public health, and that scientific papers showing a possible link to cancer had been "ignored or intentionally suppressed." [25]
- In 2003, the *Ontario Public Health Association* recommended to Ottawa that Health Canada reduce radiation Exposure Limits by 100 times! [26]
- In 2005, a Star probe cited internal *Health Canada* documents dating back to 1998, obtained under access to information legislation, that state "children are at highest risk from (radio frequency) exposures." [27]
- In 2007, *Toronto's Chief Medical Officer* recommended to Health Canada that Safety Code 6 radiation Exposure Limits be reduced by 100 times! [28]
- Had the recommendations of the *BioInitiative 2007 Report* been implemented by Health Canada, Safety Code 6 radiation Exposure Limits would have needed to be reduced by 10,000 times! [29]
- In 2007, *Taiwan's National Communications Commission*, due to protests led by activists, was ordered by the legislators to supervise a tear down of 1000 cell phone towers by the end of 2007. Public Health professors from National Taiwan University were comparing *BioInitiative 2007 Report* Approved Minutes, calling for precaution and proposed to lower their ICNIRP- based standard by a factor of 10! [30]

- It has been conclusively proven that ELF electromagnetic fields vibrating at about 30 to 100 Hz, even if they're weaker than the earth's field, interfere with the cues that keep our biological cycles properly timed; chronic stress and impaired disease resistance result. "It seems possible that a different power frequency – say 400 Hz instead of 60 Hz might prove much safer." [31]
- In 2008 – **European Parliament** (28 countries representing more than 500-million people) declared they were greatly concerned that Exposure Limits are obsolete. The E.U. Parliament accepts premise of **Bio-Initiative 2007** report concerning EMFs and says today's EMF Exposure Limits are obsolete. [32]
- In 2008, the **ICEMS – International Commission for Electromagnetic Safety** [NOT to be confused with IEEE's ICES – International Committee for Electromagnetic Safety, which is entirely biased] called for a global application of the **Precautionary Principle** (i.e., put the onus on those who say their technology is safe to prove it) saying that the World's Exposure Limits are "inadequate" as only **thermal** effects are considered [refers to Health Canada, WHO, ICNIRP, IEEE and FCC.]. It called for a global application of the **Precautionary Principle** saying that additional protection is needed for pregnancy, newborns, children, and elderly people. (Signed by 56 world-class scientists from 16 countries) [33]
- In 2011 – the **European Parliaments** (47 countries – 800 million People) The Council of Europe and the European Parliament recognize for the first time **biological** (i.e. **non-thermal**) effects of EMF on living plants, animals and human beings. The need now is to protect citizens from EMR, particularly "pregnant women, newborn babies & children." [34]
- In May 2011, the **WHO – World Health Organization** - finally classified EMR (electromagnetic radiation) a **Possible carcinogen!** [35]
- In May of 2011, the **Council of Europe** (47 countries – 800 million people) issued a news release urging all 47 Governments to reconsider ICNIRP's Exposure Limits (which are followed by the **WHO & Health Canada**) as they have serious limitations and apply "as low as reasonably achievable" (ALARA) principles ... Governments should 'take all reasonable measures' to reduce exposure to EMFs. [36]
- Scientists at the **Cancer Therapy and Research Centre** in San Antonio discovered that human cancer cells exposed to 60 Hz fields (the frequency of a high-voltage line) grew as much as 24 times as fast as unexposed cells and showed "greatly increased resistance to destruction by the cells of the body's defense system." [37]
- In 2012, **Dr. Annie J. Sasco, MD, MPH, MS, DrPH, HDR** (two masters and a PhD in Epidemiology from Harvard) who worked 22 years in **W.H.O.'s International Agency for Research in Cancer (IARC)**, including nine years as Group Leader, then was Unit Chief of Epidemiology for Cancer Prevention said: "**Despite the voices of industry-**

funded scientists saying otherwise there is concrete evidence that mobiles/cell phones and Wi-Fi cause cancer in humans.” [38]

- In March 2012. **Dr. Andrew Goldsworthy** said: Most microwave pulse frequencies are harmful. Penafiel et al. (1997) working in Litovitz’s laboratory concluded that there were only serious health problems when the microwaves were modulated to give pulses of a standard height (amplitude) generated at frequencies between 6 and 600Hz. There was virtually no effect above 600Hz. This corresponds to Blackman et al. (1988) observation that calcium release from brain tissue did not occur above 510Hz. ***It would appear that the mobile telecommunications industry had not done their homework*** before selecting the pulse frequencies for their digital communications, since they virtually all fall within this biologically active range; e.g. 2G GSM cell phones (217Hz), TETRA (17.6Hz), DECT phones (100Hz), Wi-Fi (10Hz), and 3G UMTS signals with time division duplex (100Hz and 200Hz) all of which are potentially harmful. There could be other harmful effects of the radiation that do not trigger ODC production or calcium release but, at the very least, these pulse frequencies should not have been used if the cell phone industry had acted due diligence. [39]
- In 2012, the **Council of Europe** (47 countries – 800 million people). A committee called for a ban of cell phones and Wi-Fi in all schools, saying: “Immediate action is required to protect children ... it’s crucial to avoid repeating mistakes concerning the dangers of asbestos, tobacco and lead.” [40]
- Had the recommendations of the **BioInitiative 2012 Report** been implemented by Health Canada, Safety Code 6 radiation Exposure Limits would have to be reduced an incredible **3-6 million times!** (The **BioInitiative 2012 Report** is the most respected, authoritative, independent, science-based report on the dangers of electromagnetic radiation and electromagnetic fields. It was authored by 29 world-class independent scientists and medical authorities from 10 countries of the world and included 21 PhDs, 10 MDs, MHAs or MAs etc. One of the authors was Russia’s **Prof. Yuriy Grigoriev**, Chairman of RNCNIRP - the Russian National Committee on Non-Ionizing Radiation Protection. [41]
- In 2012 - **Health Experts from 20 countries** caution about Smart Meter risks. Fifty-four experts, including **Prof. Yuriy Grigoriev**, say children may particularly be at risk of developing **EHS** or diseases such as cancer from overexposure to radio frequency microwave radiation emitted by smart meters and other wireless devices. [43]
- In 2012, **Dr. Dietrich Klinghardt, MD, PhD**, said that: “Evidence exists that EMR and EMF are harmful to all life forms. A body of more than 6,000 studies has been accumulated since the 1930s producing an overwhelming conclusion that exposure to microwave and electromagnetic fields is significantly harmful to all life and health itself.” [43]

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- In April 2013, a Washington Times' article said: "In order to protect the general public, **FCC, IEEE, ICNIRP** (which would include Health Canada) should immediately implement the **Precautionary Principle** in the matter of cell phone radiation and tighten the current safety standards. Also, a targeted and vigorous research program should be established to better evaluate the possible health risks that might be associated with the long-term avid use of cell phones." [44] [45]
- In a July 13, 2013 press release, **Dr. Perry Kendall**, B.C.'s provincial medical officer (at CST's - Citizens for Safe Technology's urging), asked **BC Centre for Disease Control** to review the most recent scientific evidence, saying that if they found any health effects, he would employ the **Precautionary Principle**. BC CDC's report points to damaging health effects from wireless devices – still, neither the BC Government nor Health Canada has seen fit to institute the **Precautionary Principle** to protect the public!
- In October 2013, former **U.S. Vice President, Dick Cheney**, in a recent interview with medical journalist **Sanjay Gupta on CBS News's 60 Minutes**, Cheney and one of his doctor's revealed for the first time that the Vice President's pacemaker had its wireless feature disabled in 2007, "fearing a terrorist could assassinate the vice president by sending a signal to the device," [46]

To understand why and how Health Canada, Industry Canada, provincial governments and provincial Chief Medical Officers could possibly ignore all of the above 'facts' and, instead, continue this, what amounts to an unbelievably evil, unlawful experiment on a helpless and unsuspecting public, one needs to understand who the global 'players' are who determine what constitutes 'safe' radiation Exposure Limits, and how inextricably entwined are virtually all Western governments – at all levels - with the U.S. Military and the wireless and telecom industries, who have recently been joined by equally greedy and technologically ignorant electric power utilities.

IEEE - Institute of Electrical and Electronics Engineers. [46] From a North American perspective, this easily is the most powerful and influential standard-setting agency charged with establishing safe Exposure Limits for the U.S., which is done by **IEEE's** internal committee: **ICES** (International Committee for Electromagnetic Safety) whose members are: the **U.S. Army, U.S. Air Force, Motorola, Nokia, Siemens, Alcatel-Lucent** and **Bell**. **IEEE/ICES's** Exposure Limits have not been updated since 1999 and continue to be amongst, if not **THE, highest/most dangerous** in the world! **ICES' Technical Committee, TC 95-3** deals with frequencies in the range 0-3 kHz; whereas **TC 95-4** deals with 3 kHz to 300 GHz. In particular, note in the following SNIP of **ICES' Admin Committee Table 2** the name of **Health Canada's Dr. Art Thansandote**. As Co-Chairman of TC-95-4 – which is responsible for determining safe radiation Exposure Limits for 3 kHz to 300 GHz! Is it any wonder that Canada's Safety Code 6 radiation Exposure Limits mirror those of the **IEEE** and, as you'll soon see, **ICNIRP's** and the **WHO's**?

Table 2—ICES AdCom

OFFICE	NAME	AFFILIATION	COUNTRY
Chair	Dr. Ralf Bodemann	Siemens AG	DE
Vice Chair	Kenneth Gettman	NEMA	US
Executive Secretary/Treasurer	Ronald C Petersen	R C Petersen Associates LLC	US
Chair, TC95 Membership	Dr. Michael Murphy	US Air Force Research Laboratory	US
Chair, TC34 and TC34/SC2	Dr. Wolfgang Kainz	USFDA/CDRH)	US
Chair, TC34/SC1	Dr Mark Douglas	IT'IS Foundation	CH
Chair, TC95	Dr. C-K. Chou	Motorola Solutions, Inc.	US
Co-chair, TC95/SC1	John DeFrank	US Army CHPPM	US
Co-chair, TC95/SC1	Mark Douglas	IT'IS Foundation	CH
Chair, TC95/SC2	Richard Tell	Richard A Tell and Associates	US
Co-chair, TC95/SC3	Thanh Dovan	SP AusNet	AU
Co-chair, TC95/SC3	Rob Kavet	EPRI	US
Co-chair, TC95/SC4	Art Thansandote	Health Canada	CA
Co-chair, TC95/SC4	Dr Marvin Ziskin	Temple University Medical School	US
Co-chair, TC95/SC5	Robert Needy	Naval Surface Warfare Ctr.	US
Co-chair, TC95/SC5	Tamera Hay	Naval Surface Warfare Ctr.	US
Past Chair	Dr. John Osepchuk	Full Spectrum Consulting	US

Some notes to highlight the influence of ICES and some of its controversial members (the latter being shown in **RED**):

- Technical Committee 95 (TC95 – dealing with radiation Safety limits) now has members from Australia (4), Bulgaria (1), **Canada (8)**, China (2), France (3), Germany (1), Greece (4), Hungary (1), Ireland (4), Israel (2), Italy (3), Japan (5), Korea (4), Malaysia (5), the Netherlands (2), New Zealand (2), Poland (1), Sweden (1), Slovenia (1), Switzerland (3), Thailand (1), Turkey (1), the United Kingdom (3) and the United States (60)—slightly more than 50% of the main committee membership is from outside the US. Is it not telling that Canada is second only to the U.S. in terms of membership numbers? How can Health Canada and Industry Canada possibly claim to be independent and objective ... and have the best interests of Canadians at heart?
- **Dr. Ralf Bodemann** – A Siemens AG executive and Chairman (2013), has stated since 2003 that a major goal of *IEEE/ICES* is to harmonize international standards, which he hoped to accomplish through closer cooperation with *ICNIRP*. Mission has been largely accomplished! http://www.who.int/peh-mf/publications/reports/en/iacminutes_2003.pdf
<http://apps.fcc.gov/ecfs/document/view?id=7520940730>

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- **Dr. C-K. Chou, Ph.D.** – **Motorola Solutions'** Chief EME Scientist and Chairman of TC-95, which is responsible for exposure standards from 0 to 300 GHz,
- **Nam Kim**, PhD Electronics Eng'g. is a Member of both the **WHO's IAC - International Advisory Committee on EMF** and **ICES**.
- **Linda Erdreich**, is **Exponent's** Sr. Managing Scientist and a Member of ICES.
- **William H. Bailey**, is a Principle Scientist at **Exponent** (Represented Fortis BC at BCUC hearings) and is a Member of ICES.
- **Dr. Yakov P. Shkolnikov**, Managing Engr. **Exponent** (also represented Fortis BC at BCUC hearings) and is a Member of ICES.
- **Dr. Art Thansandote, Health Canada**, long time Member of **ICES** and currently co-chair of TC 95-4 which develops safety standards for human exposure to RF fields in the 3 kHz-300 GHz bands. He and other ICES members represented **ICES** (by invitation) at a number of **ICNIRP** Collaboration Meetings and prepared critiques of **ICNIRP** documents (also by invitation). http://www.ices-emfsafety.org/documents/publications/ICES_Annual_Report_2011-12.pdf
- **Josette Gallant, Industry Canada** (observer)
- **Dr. Joe Elder**, consultant – **Motorola** (observer). Was invited by **WHO** to attend **IARC's** meeting as an observer in May 2011.
- **Dr. Mays L. Swicord**, consultant - **Motorola** Research Labs. He too was invited by **WHO** to attend **IARC's** meeting as an observer in May 2011. **Dr. Swicord** spent 26 years at FDA as Chief of radiation biology branch before leaving to run EMR Research Program at Motorola! <http://microwavenews.com/news/backissues/j-a95issue.pdf>
- **John M. Zirix PhD**, Research Psychologist, **US Naval Health Research Center** – Detachment Microwave Department (2006)
- **LCDR James R. Cassata, US Navy**, CHP, Ph.D. Head, Non-Ionising Radiation Branch, Bureau of Medicine and Surgery
- **James P. McNamee, Health Canada**, Member of **ICES TC 95** since at least 2008.
- **Dr. Michel Repacholi, WHO-retired**. Member of **ICES TC 95** in 2008.

Note: At the **Connecticut Light and Power Company** "Siting Council" Meetings on January 9, 2007, Council heard testimony of issues relating to the health effects of electric and magnetic fields so that the Council may adopt, and revise as the Council deems necessary, standards for best management practices for electric and magnetic fields for electric transmission lines. CL&P and UI Witness Panel included both **Dr. Michael H. Repacholi**, who by this time had become an industry consultant and **Dr. William Bailey** of Exponent Inc.(who represented Fortis BC at BCUC's hearings re Smart Meters)! [47]

The FCC - Federal Communications Commission. Its chief role is to manage the electromagnetic spectrum (for the USA). It is governed by five commissioners all of whom are appointed by the President of the USA. None is a scientist. FCC simply adopts IEEE/ICES's

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'guidelines' and applies them in all U.S. jurisdictions. Nine countries/agencies have adopted current *FCC/IEEE* limits for mobile networks and 13 follow *FCC/IEEE* limits for mobile devices. <http://apps.fcc.gov/ecfs/document/view?id=7520940730>

Note: President Obama's current nominee for Chairman of the FCC is the venture capitalist *Tom Wheeler* who, for years, ran the *Cable and TV Association*, and from 1992-2004 ran the *Cellular Telecommunications and Internet Association - CTIA* (see below). He was also a major fund raiser for Obama. No thinking person would expect the U.S.' world's highest/most dangerous Exposure Limits will be lowered if Mr. Wheeler becomes Chairman of FCC.

CTIA – Cellular Telecommunications and Internet Association – is the principal lobby group in the U.S. representing almost 400 wireless and telecom companies. The current Chairman is *Dan Mead*, President & CEO of *Verizon Wireless* (see *Canada's equivalent lobby group: CWTA, below*).

WHO – World Health Organization (representing approximately 194 countries). It endorses the guidelines of the International Commission on Non-Ionizing Radiation Protection (*ICNIRP*) and encourages Member States to adopt these international guidelines. http://www.who.int/peh-emf/standards/EMF_standards_framework%5B1%5D.pdf

- In 2006, the **WHO's** own "*Framework For Developing Health-Based EMF Standards*" was based on papers written by the WHO's **Dr. Michael Repacholi, IEEE, ICNIRP, IARC, Health Canada's Dr. Daniel Krewski** (1 of 5 authors), **Dr. W. Bailey, and Dr. Ahlbom**. *None of these people nor any of the organizations recognize that non-thermal radiation is harmful to humans and other life forms!*
- **Dr. Michael Repacholi** led the 10-year, USD \$250-million International EMF Project to assess the possible health effects of EMF in the 0 to 300 GHz. range (1996-2006), retiring from **WHO** in 2009. (see also *Health Canada* and *ICNIRP*)
- **Dr. Emilie van Deventer** succeeded **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.*" http://www.who.int/peh-emf/project/Minutes_IAC_2009.pdf
 - In 2013 she said: "*There was now less convincing evidence of a mobile phone cancer link*" and "*There was also no evidence to support the belief of people who claim to be sensitive to electromagnetic fields that wireless signals are the cause of their symptoms.*" <http://www.amta.org.au/newsletters/EME.Update.August.2013?Article=40152>
- **Dr. Leeka Kheifets** joined the **WHO's** International EMF Project in Geneva in July, 2001 from **EPRI** (Electric Power Research Institute – an industry affiliated engineering firm).

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She co-authored papers with **Dr. Michael Repacholi** on “The sensitivity of children to electromagnetic fields.” *Pediatrics* 2005;116:303-313.

ICNIRP – International Commission on Non-Ionizing Radiation Protection - was founded in 1992 by **Dr. Michael Repacholi**, its inaugural Chairman and now Emeritus Chairman. He established **ICNIRP’s** dangerously high radiation Exposure Limits - which are virtually identical to Health Canada’s **Safety Code 6** and **IEEE/ICES’s**. Currently 102 countries follow **ICNIRP** Guidelines for mobile networks and 115 follow **ICNIRP** for mobile devices.

<http://apps.fcc.gov/ecfs/document/view?id=7520940730>

Notes:

1. This is the same **Dr. Michael Repacholi** who co-authored **Health Canada’s** Safety Code 6 Exposure Limits with **Dr. Maria Stuchley** (which are amongst the highest / most dangerous in the world).
2. This is the same **Dr. Michael Repacholi** who established the **WHO’s** radiation Exposure Limits (which are virtually identical to those of the USA’s **IEEE**).
3. **Conflicts of Interest**. A significant number of senior **ICNIRP** members have been found or are alleged to be in Conflict of Interest situations, e.g., **Dr. Maria Feychting**, **Dr. Anthony J. Swerdlow**, **Dr. Anders Ahlbom**, **Dr. Leeka Kheifets**, **Dr. Alexander Lerchl**, **Dr. Joe Elders (Motorola)**, **Dr. Mays Swicord (Motorola)** and, of course, **Dr. Michael Repacholi**.
4. In 2000, **Dr Michael Repacholi**, while an employee of **WHO’s** “Office of Global and Integrated Environmental Health,” and **Professor A.J. Swerdlow**, at the University of London, were both members of the “Independent Expert Group on Mobile Phones.”
5. In 2005, **JE Moulder**, **KR Foster**, **LS Erdreich**, **JP McNamee** authored: “Mobile phones, mobile phone base stations, and cancer: A review.” *Int J Rad Biol* 81:189-203, 2005. **Moulder and Foster** are known to have historical ties with industry (see below), which does not speak well for **McNamee’s** independence.

EPA - The Environmental Protection Agency

In 1990, the EPA prepared a Draft Report entitled: **Evaluation of the Potential Carcinogenicity of Electromagnetic Fields**, which publicly acknowledged that electromagnetic pollution is a serious threat to health. While the White House and U.S. Air Force apparently tried to suppress the EPA report for fear it "might be unnecessarily alarming to the public," EPA staffers felt the situation was so serious that they leaked a draft copy of their findings to the press. **“Electromagnetic Radiation,” Chloe Wadsworth**. It wasn’t long after that that responsibility for radiation Exposure Limits was transferred from EPA and given to FCC, plus EPA had its budget drastically reduced!

CANADA

Health Canada

- **Dr. Maria Stuchley** was -

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- Health & Welfare Canada's Chief EM Radiation researcher in 1978 when she authored Safety Code 6.
- a Director of the industry-funded Board of the *Wireless Information Resource Centre (WIRC)* that claimed to be an independent, non-profit organization.
- President of *BEMS* - the *Bioelectromagnetics Society*, whose newsletter in 1987 was funded by *Motorola*, and a Vice-President of the *International Union of Radio Science (URSI)* in 1996.
- She collaborated with *Dr. William Bailey* (now of *Exponent Inc.*) as can be seen by: Kavet R, *Stuchly MA, Bailey WH*, Bracken TD. Evaluation of biological effects, dosimetric models, and exposure assessment related to ELF electric- and magnetic-field guidelines.
- *Dr. Michael Repacholi* was employed there from 1971-1983; co-authored the revision of Safety Code 6 radiation Exposure Limit 'Guidelines' with *Dr. Maria Stuchley* (above).
- *Dr. Art Thansandote, PhD* is Chief of *Health Canada's* Electromagnetics Division of Consumer and Clinical Radiation Protection Bureau. A Member of *IEEE/ICES* since at least 1996 and currently serves as *Co-chair of Subcommittee 4* which develops safety standards for human exposure to RF fields. art_thansandote@hc-sc.gc.ca
http://www.ices-emfsafety.org/documents/Minutes/TC95_november%202007%20minutes.pdf
http://www.ices-emfsafety.org/bio_Thansandote.php
<http://www.bioelectromagnetics.org/newsletter/news202.pdf> Further evidence that Health Canada is inextricably tied to *ICES/IEEE*, *Dr Art Thansandote* gave a summary of the procedures that *IEEE* and the *ICES* committee follow to prepare standards and guidelines for the safe use of electromagnetic energy. http://www.who.int/peh-emf/project/Minutes_IAC_2009.pdf
- *James McNamee*, was on Board of BioElectromagnetic Society (2005-2008) <http://www.bioelectromagnetics.org/newsletter/news202.pdf> He admitted in a Quebec court in 2013 that Health Canada's Safety Code 6 does NOT protect against non-thermal non-ionizing radiation. Is also a Member of *IEEE/ICES*.
- *Dr. Glaser, PhD*, the former head of the *U.S. Navy Microwave Laboratory* and subsequently with the US Food and Drug Administration, when asked whether Health Canada's assurances that microwave radiation from Wi-Fi is 'safe' for children said: 'They're either giving you partial information, or they're giving you misinformation. Because there is scientific consensus that microwaves cause biological effects. There is scientific consensus that children are more vulnerable. And there is no evidence whatsoever that it is safe for children. That is no foundation on which to declare something is safe.'

R. Samuel McLaughlin Centre for Population Health Risk Assessment at the University of Ottawa, previously known as Wireless Information Resource Centre (WIRC), It was founded and funded by *CWTA* (Canadian Wireless and Telecommunications Association) See Press Release: <http://tinyurl.com/3pyuljr> <http://www.rfcom.ca/welcome/index>

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- **Dr. Daniel Krewski** is Director of the **R. Samuel McLaughlin Centre** for Population Health Risk Assessment at the University of Ottawa.
- **CBC Marketplace** exposed that **CWTA** funds both the research and salary of **Dr. Krewski** who promotes that Wi-Fi is “safe.”
- **Dr. Krewski** represented Canada in the Interphone Study. Out of 13 countries, **Dr. Krewski's** Canadian team is the only research group which accepted direct funding (\$1 million) from the wireless industry. <http://www.cbc.ca/marketplace/pre-2007/files/health/iarc/pagetwo.html>
- **Dr. Michael Krewski** and **Dr. Michael Repacholi** co-authored, with others, on a number of major studies, such as: “Health Risks of Electromagnetic Fields. Part I: Evaluation and Assessment of Electric and Magnetic Fields,” and “Health Risks of Electromagnetic Fields. Part II: Evaluation and Assessment of Radio Frequency Radiation.”

CWTA – Canadian Wireless and Telecommunications Association - is Canada’s equivalent of the U.S.’ **CTIA**, which lobbies governments on behalf of its member companies. In **CWTA’s** case, it has approximately 150 member wireless and telecom and electric utility companies. The President and CEO of **CWTA** is fluently bilingual **Bernard Lord, QC, ONB**, former two-time premier of New Brunswick who, insiders say, covets Prime Minister Stephen Harper’s job thestar.com October 27, 2013. With his unparalleled federal and provincial political connections it is no wonder that wireless technology, including Smart Meter and Wi-Fi installations in schools, hospitals, schools, universities, seniors’ homes, etc is meeting with such weak resistance across Canada – as is evidenced now in British Columbia.

Royal Society of Canada’s so-called “**Expert Panel**” comprises eight scientists whose names were suggested and submitted to the Royal Society of Canada by **Health Canada’s** own **Dr. David Krewski** - who also nominated himself to be the Chair! His salary is paid, in part at least, by the Canadian Wireless and Telecommunications Association – **CWTA** (see above). These “independent, unbiased, unprejudiced” experts are charged with reviewing all available scientific reports from around the world on the subject of electromagnetic radiation (EMR) to determine if revisions are required to Safety Code 6 (2009) Exposure Limits in order to protect the public. Expert Panel members include:

- **Dr. Daniel Krewski** – Chairman. He resigned at the beginning of July 2013 due to conflict of interest. His company **Risk Sciences International** received a \$125,000 from **Industry Canada** to write articles about the safety of wireless technology and dispel concerns about its possible risks. He did not disclose this conflict. Previously, in 2003, **CBC Television’s “Marketplace”** reported that **Dr. Krewski** was conducting research on the danger of cell phones while running the McLaughlin Institute for Public Health, created by the **CWTA**.
- **Dr. John Moulder, PhD**. has acted as a professional witness on behalf of companies fighting claims that employees were injured by Radio Frequency radiation.
- **Dr. Kenneth R. Foster, P.Eng.** is a fellow of **IEEE** and a long-standing member of their **ICES** {International Committee on Electromagnetic Safety (SCC39)} that sets safe limits

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for human exposure to RF fields and authored a study funded by a non-profit organization that is sponsored by companies such as *Apple, Nokia, Samsung and Motorola*. He worked with *Dr. Michael Repacholi* at the *WHO* in 1999.

<http://microwavenews.com/news/backissues/m-j00issue.pdf>

- **Richard Findlay**, another member of the RSC's "Expert Panel," is a computational physicist who worked for the **Health Protection Agency (HPA)** and the **National Radiological Protection Board (NRPB)** in the UK. The UK had the worst radio frequency standards in the world. They are now in line with **ICNIRP** which are also far too high to protect public health.
- **Louise Lemyre** is McLaughlin Research Chair on Psychosocial Aspects of Risk on Population Health. She frequently publishes with *Dr. Daniel Krewski*. His name appears 66 times related to her [research and publications](#). Someone needs to ask if any of her research is funded by the wireless industry and, if it is, why this conflict of interest is tolerated.
- **Frank Prato** does MRI and PET imaging so he is not going to say anything that would indicate this technology may be harmful to some people. He was a panel member in the previous two reviews by the **Royal Society of Canada** on Radio frequency radiation. He testified to the [Parliamentary Health Committee in 2010 \(HESA\)](#) that there is no need to remove Wi-Fi in schools simply because children and parents are complaining of symptoms of microwave radiation, because they are also exposed in other places.
<http://www.magdahavas.com/subversion-of-science-royal-society-of-canada-panel-with-conflict-of-interest-to-review-safety-code-6/> Was President **BEMS** – Bioelectromagnetic Society (2002-2003)

Britain's Health Protection Agency

- In May, 2007: Chairman *Sir William Stewart* said that a review of the health effects of Wi-Fi networks was 'timely' amid fears they could pose greater dangers than previously thought.
- **Professor Lawrie Challis**, Chairman of a Government sponsored **Telecommunications Research Program**, warned of the dangers of children using Wi-Fi-enabled laptops on their knees when the Wi-Fi transmitter would be only 2cm from the child's body.
- Britain's National Health Service (NHS), *Lord Carter of Coles*, is urged to quit by doctors over 'conflict of interest' following £799,000 payment for U.S. private health giant. <http://www.dailymail.co.uk/news/article-2109907/NHS-fairness-tsar-urged-quit-doctors-conflict-following-799-000-payment-U-S-private-health-giant.html#ixzz2h9zWILW6>
- **Dr Clare Gerada**, chairman of the Royal College of General Practitioners, said: 'He (Lord Carter of Coles) cannot have any credibility when he is also heading a company with such huge interests in the very contracts his organization is meant to police.'

- The HPA's so-called "*Independent Advisory Group on Non-Ionizing Radiation*" (AGNIR) is corrupt as its Chairman, **Professor Anthony Swerdlow**, an epidemiologist at the Institute of Cancer Research, is a shareholder of telecom companies Cable and Wireless Worldwide, and Cable and Wireless Communications. Also, his wife is a shareholder of BT Group, a global telecommunications services company. <http://www.safetyinschool.org/2013/04/conflict-of-interest-influences-emflhtml> Recently, AGNIR published a report "*Health Effects from Radiofrequency Electromagnetic Fields*" which said "There are still limitations to the published research that preclude a definitive judgment, but the evidence overall has not demonstrated any adverse effects on human health from exposure to radiofrequency fields below internationally accepted guideline levels," **Professor Anthony Swerdlow** is also an ICNIRP Commissioner <http://www.mainecoalitiontostopsmartmeters.org/wp-content/uploads/2013/01/Exhibit-6-Morgan-Web.pdf>

Conclusion

Since 1979 at least seven U.S. Federal agencies, including President Obama's very own Cancer Advisory Panel, have acted responsibly and tried to bring to the attention of the White House their concerns, based on scientific evidence, that low-level *non-thermal* microwave radiation and 60 Hz power frequency electromagnetic fields are harmful to living things, and that present radiation Exposure Limits are too high - only to be ignored or have their reports quashed. There have been literally *thousands* of credible science-based reports from leading *non-industry funded* scientists around the world calling for all governments to impose the *Precautionary Principle* which, in essence, says: "*put the onus on those who claim their technology is safe to prove it!*" None of the so-called 'standard-setting' agencies of the Western world: **WHO**, **ICNIRP**, **IEEE** and **Health Canada** recognize - let alone make any effort to protect the public from - *non-thermal* radio and microwave frequency radiation. Even the conservative **Council of Europe** (47 countries and 800-million people) urged all its member countries to "reconsider" (i.e., abandon) **ICNIRP's** Exposure Limits (which essentially are the same as Health Canada's Safety Code 6) as they fail to recognize *non-thermal* radiation, saying that governments must not make the same mistakes as were made with tobacco and asbestos. It is almost inconceivable to think that any one person could possibly have a drastically harmful impact on much of the Western world's radiation Exposure Limits. But that is precisely what **Dr. Michael Repacholi** has done: he played a major part in establishing the dangerously high Exposure Limits currently reflected in **Health Canada's Safety Code 6**, and he was THE key person who established both the **WHO's** and **ICNIRP's** Exposure Limits! The Internet provides all sorts of evidence of his corruption and of the petition raised to have him removed from the **WHO** - all because of his too-close ties with industry, which continues to this day. An understanding of **IEEE** and its **ICES** Committee and the realization that Health Canada's own **Dr. Art Thansandote** is, and has been for some years, Co-chairman of the Technical Committee (TC 95-4), which is tasked with determining **IEEE/ICES's** safe Exposure Limits, shreds any vestiges of credibility he - and **Health Canada** and **Industry Canada** - might otherwise have had. **ICES's** major constituents are the U.S. Army, U.S. Air Force, U.S. Navy, Motorola, Siemens, Nokia, Alcatel Lucent and Bell - all of whom recognize only *thermal* radiation! Moreover, the Chairman of **ICES**, none other than **Dr. Chou of Motorola**, has said for years that his goal has been to establish common Exposure Limits for all 'standard-setting' agencies ... Health Canada too? And, lastly, one needs

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to view the names in red in this document to see how incestuous these organizations are – none more so than *Health Canada* and *Industry Canada*. One can easily see the historical relationships between people like *Dr. Repacholi*, *Dr. William Bailey*, *Dr. Daniel Krewski*, *Dr. Stuchley*, etc. It is known that the U.S. Military has no interest in lowering its radiation Exposure Limits for fear it will put them at a disadvantage to their potential enemies. And the industrial sector is fearful that were they to now lower their radiation Exposure Limits they'd expose themselves to enormous, possibly crippling lawsuits – plus they'd incur enormous costs to re-engineer all their products. It also seems that the telecom industry did not do its homework in terms of its selection of frequencies to use in today's wireless devices; experts say that modulated frequencies below 600 Hz are all harmful; whereas those above 600 Hz are not!

The above explains why, in the writer's view, Health Canada, Industry Canada, provincial governments and the wireless and telecom industries plus the electric power companies insist – in spite of all the evidence – that their products are safe! As *Barrie Trower* has said: "This experiment – unlawfully irradiating the public - will prove to be the worst case of genocide ever conducted in our history" ... or words to that effect. Shame on the Government of Canada; shame on our provincial governments; shame on *Dr. Perry Kendall*, BC's so-called Provincial Medical Officer, and all the other provincial Chief Medical Officers who lack the integrity, temerity and intestinal fortitude to stand up – as Toronto Chief Medical Officer, the Ontario Public Health Association, and Toronto's Board of Health have done – to try to stop this madness; shame on *BCUC* for being such a limp-wristed, weak-kneed sycophant organization; and shame on the electric utilities for forcing their unproven, untested, dangerous Smart Meters on people. Insulting the public even more, governments are literally charging informed people extortionist fees for the privilege of simply trying to protect their families. This is a black period in history, probably Canada's blackest moment. This is the first time in our history that families cannot protect themselves from a known danger.

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