Wireless Technology

The Worst Threat to our

Health

Personal Privacy

Democracy

and

National Security

in Canada's Entire History

Jerry Flynn's BIO

Retired Canadian Armed Forces Captain. Spent 22 of 26+ years' service in SIGINT, Electronic Warfare (EW) and Radio Warfare (RW):

- **2 yrs as Executive Officer (2-i/c) & Operations Officer at ultra-sensitive radio station directly employing 200+ radio operators & technicians;**
- **2 yrs in National Defense Headquarters, in the Directorate of Electronic Warfare, as the Staff Officer EW for Canada's only Army EW Sqdn.**
- **Conducted EW operations at sea with RCN and on land with NATO army units.**

Wireless Technology

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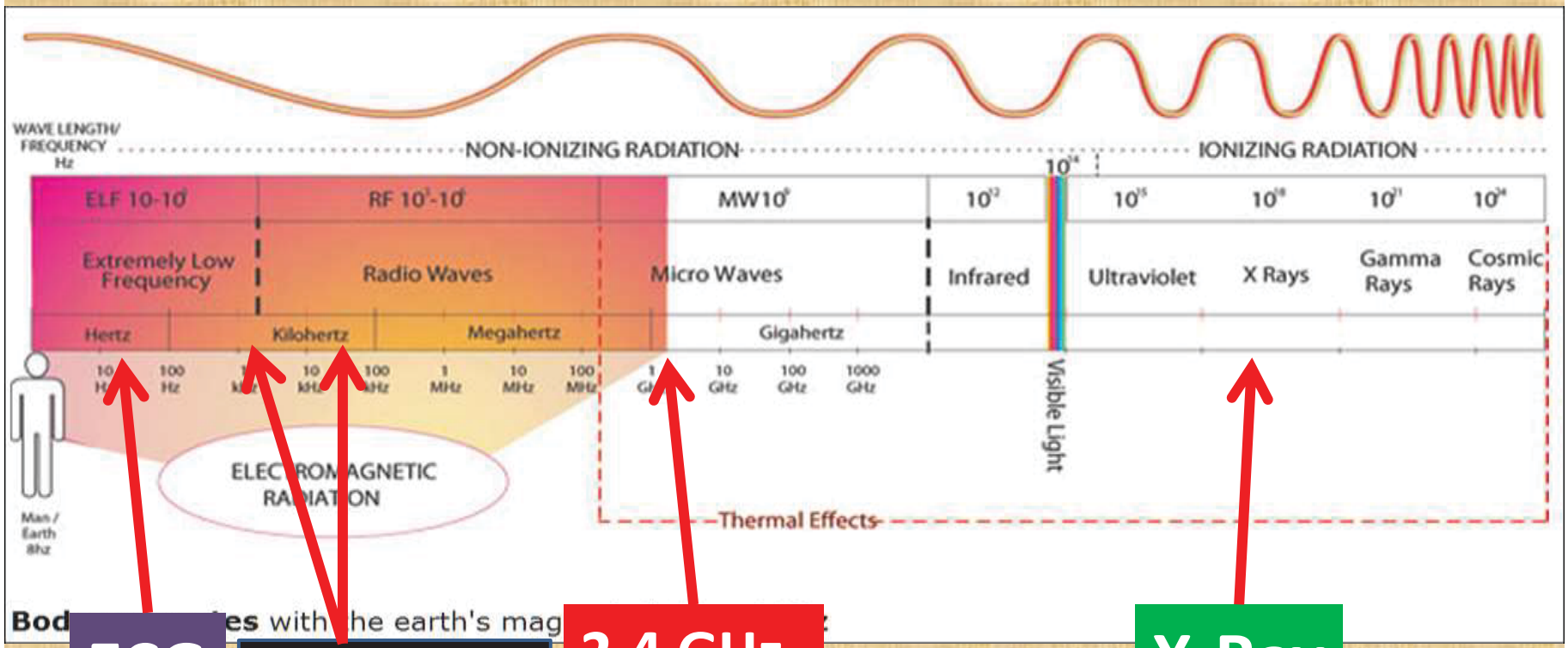
Electromagnetic Frequency Spectrum

Non-Ionizing radiation | **Ionizing radiation**



ECG

Ultrasound

2.4 GHz

X-Ray

An ECG and a Human Heart

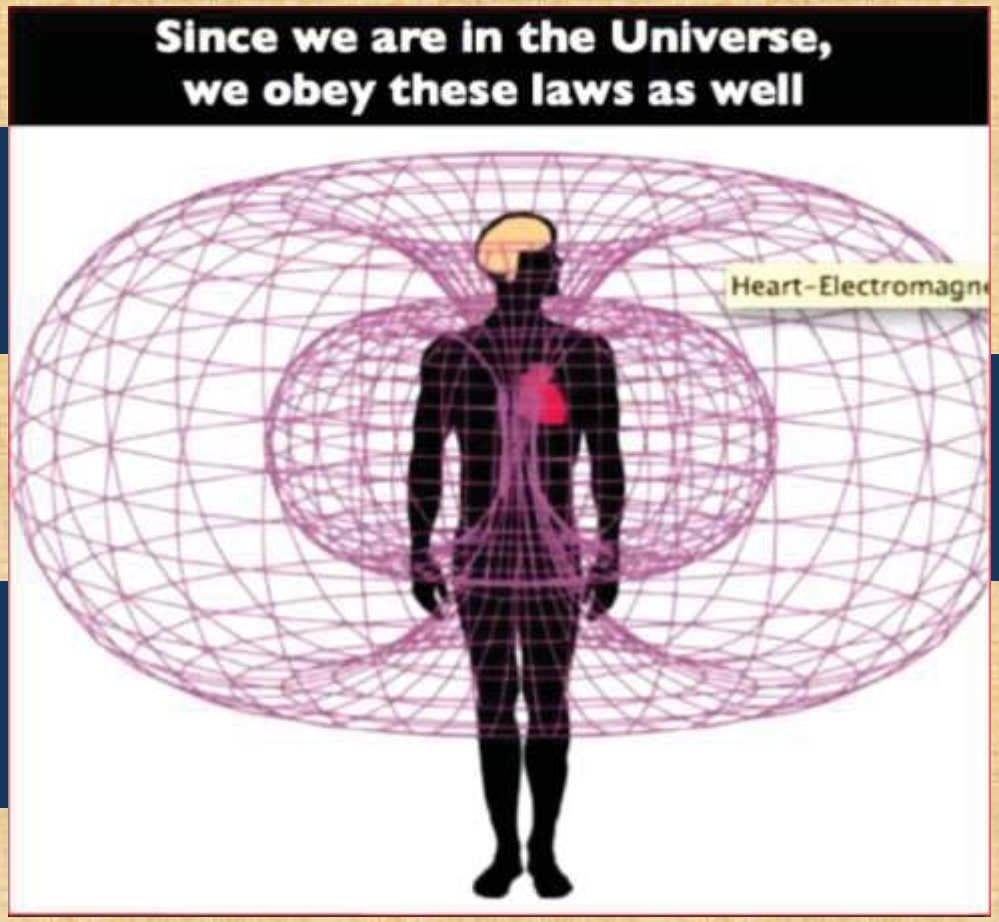
An electrocardiogram (ECG) is a graphic tracing of the voltage generated by the cardiac or heart muscle during a heartbeat. This electrochemical impulse having a voltage potential of about 1 mV spreads out in the heart in such a fashion as to cause the cells to contract and relax in a timely order and, thus, give the heart a pumping characteristic. The voltage potential can be measured at the surface of the body.

http://www.ti.com/lit/an/slaa280a/slaa280a.pdf

All Living Things are Bio-Electrical Beings

Heart
2 Hz

Body
7.83 Hz



Brain
1-30 Hz

Evolution of Technology

Note: Prior to 1897 – virtually <u>NO EMR</u>

(1920s) AM radio

(1930s) radar (“*Microwave Sickness*” was first reported in 1932 in Germany)

(1950s) FM Radio and TV

(1970s) computers

(1980s) mobile phones

(2000s) wireless technologies & compact fluorescent lighting

All wireless devices
emit harmful non-thermal RADIATION

AM & FM radio towers, satellite TV, Amateur Radio, airport radars, police radars, Microwave ovens, cell phones, cell phone towers, iPhones, smart phones, cordless phones, iPads, tablets, Wi-Fi routers (2.4 or 5 GHz) home security systems, baby monitors, laptops, garage door openers, Bluetooth, remote control units, GPS satellites, TETRA Networks (BC Hydro 409-430 MHz: 17.6 Hz), Wi-Max towers (2.3, 2.5, 3.5, 5.8 MHz),

(Cont'd)

Wireless Devices (Cont'd)

military & scientific satellites, motion detectors, Wi-Fi hotspots: cities, towns, buildings, school buses, Greyhound buses, VIA Rail trains, planes, restaurants), body area networks (BANs), Car Wi-Fi; RFIDs (900 MHz), X-rays, CT Scans, MRIs, Pagers, some Copiers, Motion Detectors, Wii & Wii U, and Xbox 360 games. Car-collision avoidance, Smart Meters, Meshed-grid networks, etc.

1932 – "Microwave Sickness"
"EHS" Symptoms

First reported by Germany,
symptoms: headaches, dizziness, disrupted sleep, insomnia, fatigue, nausea, heart palpitations, memory loss, tinnitus, skin rashes, muscle and joint pain, leg and foot pain, tingling, irritability, numbness, nosebleeds, depression, anxiety, etc.

http://smartmeterdangers.org/index.php/position-statements/206-smart-meters-correcting-gross-misinformation

1950s – Microwave Sickness ("EHS")

Clinics in Moscow, Leningrad & other cities in the Soviet Union and E. Europe study and treat thousands of workers suffering from new occupational disease: "*radio wave sickness*." These workers manufactured, inspected, repaired or operated M/W equipment. Some worked at radar, radio or TV stations or telephone companies. Others operated RF heaters & sealers being used in industries using technology developed during World War II.

http://www.cellphonetaskforce.org/wp-content/uploads/2011/06/Electromagnetic_Hypersensitivity.pdf

Government / Military / Industrial Complex - Corruption -

1933 – Russian Research

Have been systematically studying electromagnetic bio-effects on all life forms: plants, animals & people since 1933.

Found harmful effects from even the weakest radiation intensities - depended greatly on frequency used and cumulative effect.

Caused the Russians to drastically reduce their own safety levels by a factor of 1,000!

Cellular Radiation Is This Our Next Titanic? Pp 77
The Body Electric, pp 289, Dr. Robert Becker, Md

U.S Embassy – Moscow ('53 – '76)

(6-8 Hours a Day, 5 Days Week)

Was irradiated with M/W frequencies at intensities 1,000 times lower than the 1966 US 'standard' but still within Soviet 10 µW for public exposure!

- 2 ambassadors died of cancer;
- 3rd developed leukemia-like blood disease & bleeding eyes & eventually died from it;
- At least 16 women developed breast cancer;
- Many other staff suffered adverse health effects, e.g. immune system disorders, high white blood cell counts, chromosomal breaks, chronic fatigue, cataracts, etc.
- U.S. KNEW but DIDN'T TELL embassy for at least 10 years!

www.aseq-ehaq.ca/ma_emfs/pdf/studies/Radio_frequency_si...

1954 – Radiation Sterility and Baldness

Bell Laboratories, alarmed by reports of sterility and baldness among its own workers as well as military radar personnel, suggested a safety level of 100 microwatts, a hundred times less than the USA Limit of 10mW/cm² (see Becker & Selden, 1984).

http://www.chronicexposure.org/occupational.html

1961 - President Eisenhower's concern about Military-Industrial Complex and Democracy

"In the councils of government, we must guard against the acquisition of unwarranted influence, whether sought or unsought, by the military-industrial complex. The potential for the disastrous rise of misplaced power exists and will persist. Only an alert and knowledgeable citizenry can … (protect democracy)

http://coursesa.matrix.msu.edu/~hst306/documents/indust.html

1965 – Exposure Limits Czechoslovakia vs USA

The safe exposure limit set for the general public in Czechoslovakia was in the range of 1 μW/cm² - a <u>thousand times lower</u> than that in the United States (10 mW/cm²) !

http://www.i-sis.org.uk/FOI3.php

1980s - Electromagnetic Radiation

Studies showed links to depression and suicides in England, to cancers in children and adults in Colorado. Occupants of houses with radiant electric heating were subject to increased cancer risk. Sweden & U.S. reported links between cancer in juveniles and proximity to high-voltage power lines, also to Air Force bases.

http://www.i-sis.org.uk/FOI3.php

1977 – Microwaves: Their Deadly Risk … and the Cover-up

Microwave radiation can blind you, alter your behaviour, cause genetic damage, even kill you. The risks have been hidden from you by the Pentagon, the State Department, and the electronics industry. With this book, the microwave cover-up is ended.

"The Zapping of America" Paul Brodeur (1977)

1985 - The power of the telecom and TV industry

Dr. Robert O. Becker and Brian Selden: "Our survival depends on the ability of upright scientists and other people of goodwill to break the military-industrial death grip on our policy-making institutions."

(Becker, RO, and Selden, G, The Body Electric: Electromagnetism and the Foundation of Life, (New YorkL Harper) 1985, p.329.)

1994 – Microwave Weapons

Microwave Research Department of the Walter Reed Army Institute of Research states, "Microwave energy in the range 1 to 5 GHz, a militarily important range, penetrates all organ systems of the body and thus puts all organ systems at risk." Effects on the central nervous system are considered very important.

Orvotron, The Bimonthly Newsletter, March/April 1994

http://assassinationscience.com/EMP5.htm

Most Dangerous Frequencies!

Frequencies from about 700 MHz to 1,000 MHz interact most efficiently with human tissue to yield the greatest energy Absorption!

(Yet to-day's Cell Phones and Smart Meters operate within this very range!)

http://www.icems.eu/docs/Robert.C.Kane.pdf

Project Pandora

Eldon Byrd, a scientist for the Naval Surface Weapons Centre, USN, said about M/W radiation in 1986: 'We can alter the behaviour of tissues, cells, organs and whole organisms.... you can cause up to six times higher foetus mortality and birth defects in laboratory animals, and *these fields are so weak you can hardly detect them*...It is known how to induce malignant diseases in human cells ... and how to cure them..."

http://www.youtube.com/watch?v=xehJzyttZr8

Non Lethal Microwave Weapons

Frequency	Illness Caused
4.5 Hz	Paranoia;
6.6 Hz	Depression/Suicide;
8 Hz	Animals fall asleep;
11 Hz	Manic behavior/Anger;
25 Hz	Blindness if aimed at the head; Heart attack if aimed at the chest.

Other frequencies cause hysteria, trauma, lust, murder and cancer, and may all be induced.

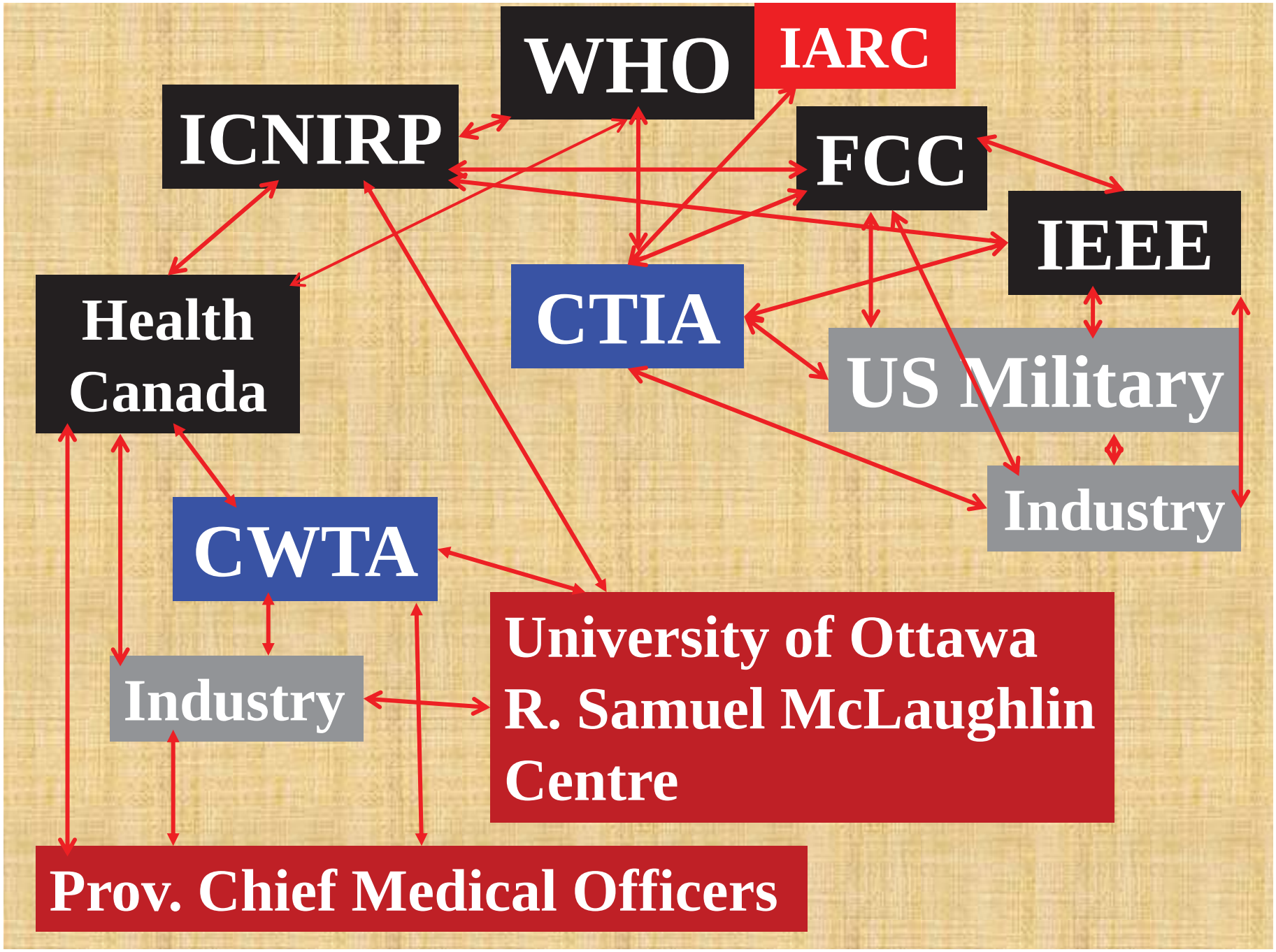
Barrie Trower

Cited a 1950s report stating: *"If this paper becomes known around the world, it will threaten military and commercial interests."* He especially condemned Health Canada's Code 6

prd34.blogspot.com/2012_03_04_archive.html

He also said: "A 1976 Document summarizing U.S. Defense Intelligence research is the saddest and most despicable document ever published in history." The document lists all of the health hazards caused by wireless devices and concludes: *"This should be kept secret to preserve industrial profit."*

vitalitymagazine.com/article/why-our-world-is-electropo...


WHO
IARC
ICNIRP
FCC
IEEE
Health Canada
CTIA
US Military
Industry
CWTA
University of Ottawa R. Samuel McLaughlin Centre
Industry
Prov. Chief Medical Officers

IEEE/ICES

I.E.E.E. have influenced world standards since the 1960s, through its internal Committee - ICES: International Committee on Electromagnetic Safety,

whose members are:

U.S. Army	US Air Force
Motorola	Nokia
Siemens	Alcatel-Lucent
Bell	

2006 - Recommended raising Exposure Limits!

http://www.youtube.com/watch?v=AHhfjQ1_JVW&lR=1

2013 – IEEE's goal: Get world to adopt it's "Radiation Exposure" standards

Dr. B Jon Klauenberg (US Air Force Research Lab. and long-time member of ICES) was awarded the IEEE SA International Standards Award Dec. 2011 for helping to convince world bodies and international agencies of the rigor, benefits, and provenance of IEEE Standards.

http://www.ices-

Health Canada and IEEE Complicity and Corruption

Health Canada's own senior radiation protection Scientist, Dr. Art Thansandote is, and has been for many years, Co-Chairman of Sub-Committee 4, which is responsible for establishing Exposure Limits for the U.S.A.'s IEEE! (Institute of Electrical and Electronics Engineers)

www.ices-emfsafety.org/documents/.../ICES_Annual_Report_2011-12.p...

ICES TC 95 SC3 Membership (Standards for 0-3 kHz)

Noteworthy members include:

Drs. William Bailey, Linda Erdreich and Yakov Shkolnikov of Exponent Inc.
Drs. Art Thansandote, James McNamee and Pascale Bellier of Health Canada,
Dr. Josette Gallant, Industry Canada,
Daniel Goulette, Hydro Quebec,
Richard Link, Radiation Safety Institute of Canada
Mays Swicord, Mays Swicord consulting

ICES (SCC-39) Annual Report: 2011 – 2012

IEEE's TC95 SC4 Membership: (Safety Levels for 3 kHz – 300 GHz)

Noteworthy Members Include:

Dr. William Bailey, Exponent Inc. USA
Dr. Linda Erdreich, Exponent Inc. USA
Dr. Yakov Shkolnikov, Exponent Inc. USA

Dr. Art Thansandote, Health Canada
Dr. James McNamee, Health Canada
Dr. Pascale Bellier, Health Canada

Dr. Josette Gallant, Industry Canada

Dr. Mays Swicord, Mays Swicord Consulting

ICNIRP

(International Commission on Non-Ionizing Radiation Protection)

Most of its funding comes from industry and most of the members of ICNIRP are engineers for whom only thermal effects may cause biological effects.

Electromagnetic Biology and Medicine, June 2013; 32(2): 200–208

Conflicts of Interest in ICNIRP

In addition its inaugural Chairman, Dr. Michael Repacholi, whose corruption is legendary, a disproportionate number of ICNIRP's members have been discredited due to their historical ties to industry, eg., Dr. John Moulder, Prof. Anders Ahlbom, Dr. Alexander Lerchi.

http://www.microwavenews.com/fromthefiel
http://www.safeinschool.org/2013/04/conflict-of-interest-influences-emf.htmld.html#whoottawa

FCC

(Federal Communication Commission)

- Determines radio frequency (RF) radiation Safety levels for USA;
- is Directed by five (5) Commissioners appointed by the U.S. President: three from party in power; two from 'other' party;
- None are scientists;
- March 2013, FCC began its review of Safety Limits

http://microwavenews.com/

$$$$$$$$$$$$$$$

FCC Frequency Spectrum Auctions

2011 - $33 Billion

www.broadcastingcable.com/article/463971-CEA_CTIA_Broadcast_Spectrum_Auctions_Could_Clear_33_Billion_or_More.php

2010 - $120 billion due to 'iPad boom'

www.electronista.com/articles/10/10/22/fcc.says.ipad.helping.spark.wireless.spectrum.rush

2008 - $20 Billion

www.thestreet.com/story/10408536/fcc-spectrum-auction-nears-20-billion-html

The U.K. Defence Intelligence Agency's own research shows the dangers were known in the '50s.

Soviets used 'our' cell phone frequencies 1800 MHz and 900 MHz as weapons!

http://www.whale.to/b/rifat.html

RF/MW Exposure Limits
WHO and ICNIRP

WHO (1993) and ICNIRP (1998) share the belief that it is only the thermal effects of RF/MW EMR that is harmful to humans.

The review teams throughout the '90s were chaired by the same Dr Michael Repacholi.

http://www.feb.se/EMFguru/CellPhone/cherry2/ICNIRP-2.htm

“EMR”

(Electro-Magnetic Radiation)

and

“Safety Code 6”

The "WEST" versus U.S.S.R. double standard

The WHO, IEEE, ICNIRP, FCC and Health Canada protect only against THERMAL radiation.

The U.S.S.R./Russian Federation considers the non-thermal effects and studies them more

http://www.feb.se/EMFguru/CellPhone/cherry2/ICNIRP-2.htm

Non-thermal Radiation

Today's wireless devices i.e., baby monitors, Smart Meters, Smart phones, cordless phones, cell towers, Wi-Fi routers, TV games etc. all emit non-thermal microwave radiation. Yet *Health Canada's Safety Code 6 protects* ONLY against brief exposures to THERMAL radiation.

http://www.youtube.com/watch?v=MCe0rqqyBcw&feature=youtu.be

Canada's Radio Frequency "Exposure Limit"

1000 µW/cm²

Russia, China, Italy, France, Australia, Most European Countries, Switzerland & Austria

100s to 1000s of times LOWER (Safer)

(10 µW/cm² was recommended by Toronto Board of Health back in 1999)

BioInitiative Report - 2007

Recommends 0.1 µW/cm², which is

10,000 times lower than Safety Code 6!

Public Exposure Guidelines

1800 MHz	µW/m²
Health Dept. Salzburg (indoor) ('02)	1
Health Dept. Salzburg (outdoors) ('02)	10
EU Wkg Grp recommendation (2001)	100
Salzburg 1998 (sum GSM)	1,000
Italy (single frequency)	1,000
Russia, PRChina	100,000
Italy (sum of frequencies)	100,000
Belgium (ex Wallonia)	1,115,000
ICNIRP ('98), WHO, Canada	10,000,000
FCC/IEEE, USA ('09)	10,000,000

http://emrstop.org/index.php?option=com_content&view=article&id=71&Itemid=35

Dr. Maria Stuchly (1978-2004)

- '76-'91: Health & Welfare Canada: She Co-authored Safety Code 6 and other papers with Dr. Michael Repacholi;
- Worked with Dr. Daniel Krewski;
- Was at U Vic 2002-04 (now retired)
- In 2003, co-authed paper with Dr. Repacholi on bio-effects of non-ionizing EMR (Safety Code 6) and with Dr. William Bailey of Exponent Inc.
- Had close ties to industry.

Health Canada and IEEE/ICES Conflict of Interest

Dr. Art Thansandote, Health Canada's Senior Radiation Protection Scientists is and has for many years been Co-Chairman of ICES's Sub-Committee 4, which is responsible for establishing IEEE's (i.e., the USA's) radiation Exposure Limits!

http://www.ices-emfsafety.org/documents/publications/ICES_Annual_Report_2011-12.pdf

CWTA

Canadian Wireless and Telecommunications Association

Pres. & CEO Is bilingual Bernard Lord, QC, ONB, former 2-time Premier of N.B. with unparalleled connections in all three senior levels of government and a potential heir-apparent to PM Steven Harper. No wonder Wi-Fi is being pushed into public schools and communities everywhere, Smart Meters forced onto all dwellings, and cell phone use encouraged.

Prof. Daniel Krewski

- Since ’98: is Director of R. Samuel McLaughlin Centre, Ottawa, which was founded & funded by ‘industry.’
- His salary is paid, in part at least, by industry, as are the Centre’s studies;
- ‘93 – worked with Repacholi at U. of O.
- ‘98 – Health & Welfare Canada: Dir. Risk Mgmt, Health Protection Branch;
- ‘01-’03: Collaborated with Dr. Stuchly on reports.

http://tinyurl.com/3pyuljr

CWTA
and McLaughlin Research Centre

Canadian Wireless Telecommunications Association's former President Roger Poirier still manages McLaughlin Research Centre's projects. CBC Marketplace exposed that the wireless industry, CWTA, funds both the research and salary of Dr. Krewski who promotes that WiFi is “safe”.

http://www.cbc.ca/marketplace/pre-2007/files/health/iarc/pagetwo.html

Prof. Michael H. Repacholi

'71-'83) Health & Welfare Canada:

'80) Ph.D. Biology: U of Ottawa

'71 -'83) Radiation Protection Bureau.

'75 -'83) Head, Non-Ionizing Radiation Program.

'78) Co-authored Safety Code 6 Exposure Limits with Prof. Maria Stuchly

'83 –06) W.H.O.

'92-now) ICNIRP – inaugural Chairman, now Chairman Emeritus and a consultant to industry!

2005 - Corruption in W.H.O.

On July 5, 2005, it was published that

Dr. Michael Repacholi –

Coordinator of the WHO's Radiation & Environmental Health Unit- ***receives $150,000 a year (via Royal Adelaide Hospital, S.A.) from the cellular phone industry with additional money for meetings and travels*****.**

(microwavenews.com 5.7.05)

Corruption in WHO

Russian research done in 1960-1985, with real control groups, in real, healthy environments, without the negative influence of the cell-phone industry (such as the publication of the fictional scientific results, disregarding the danger of the radiation, censorship of inconvenient research results), should be considered and added to this project as No. 1 source (reference study) or at least should be included in the WHO's database.

http://www.iddd.de/umtsno/puzen2.html

Corruption in WHO

Russian scientists conducted more than 1500 epidemiological and human laboratory studies during the Soviet Union era which are not even in the WHO database (IEEE Study Database or EMF Studies Database). Today, special industries dismiss Russian results in RF (radiofrequencies) research as nonsense science.

http://www.iddd.de/umtsno/puzen2.htm

Conflict of Interest in U.K.'s own Health Protection Agency

Prof. Andrew Swerdlow chaired HPA's review panel on safety of wireless technologies even though he and his wife are shareholders of multi telecom companies!

http://www.safeinschool.org/2013/04/conflict-of-interest-influences-emf.html

Illnesses Linked to EMR

Many cancers, neurological conditions, ADD, sleep disorders, depression, Autism, Alzheimer's, Parkinson's, cognitive problems, cardiovascular irregularities, hormone disruption, immune system disorders, metabolism changes, stress, fertility impairment, increased blood brain barrier permeability, mineral disruption, DNA damage, etc.

1967 – Pulsed microwave more dangerous than continuous wave

So says Herbert Pollack, M.D., on behalf of the Institute for Defense Analysis Research and Engineering Support Div.

http://www.magdahavas.com/wordpress/wp-content/uploads/2010/07/Pollack_19671.pdf

1971 – U.S. Naval Medical Research Institute

Researched 2300 studies listing all illnesses resulting from thermal and non thermal effects of Radio / Microwave Frequency EMR.

Paid particular attention to the effects on man of non-ionizing radiation.

Zorach R. Glaser, Ph.D. LT, MSC, USNR Research
'http://www.magdahavas.com/wordpress/wp-content/uploads/2010/06/Navy_Radiowave_Brief.pdf

1971 – Warning to U.S. White House

The U.S. President's own Management Advisory Council warned: "power levels in and around American cities, airports ..... and homes may already be biologically significant." The population at risk "may well be the entire population." The consequences of undervaluing or misjudging the biological effects of long-term, low-level exposure could become a critical problem for the public health, especially if genetic effects are involved.

The Zapping of America, Paul Brodeur (1977) pp. 228

1973 – Microwave Radiation – A Potential Threat to Health

Research by NRC Canada and Queen's University produced concerns for the long term, low-intensity *non-thermal* microwave radiation that will result from uncontrolled proliferation of MW devices.

http://www.emf-risks.com/2013/09/1973-report-researching-effects-of.html

1976 - Sworn to Silence About non-thermal EMR

U.S. Government advised its western allies not to talk about non-thermal effects of microwave radiation. If it did not heat the body, they were not to talk about it.

1979 – NIOSH & OSHA Warning

(National Institute Occupational Safety & Health, and Occupational Safety Health Agency)

Both agencies believe there is sufficient evidence of harmful non-thermal effects to humans, they recommend that PRECAUTIONARY measures be instituted to minimize the risk to workers from unwarranted exposure to RF energy"

www.cdc.gov/niosh/docs/80-107/

1986 - Understanding Microwave Radiation

Following the 1986 Chernobyl incident it was found that long-term, continuous, low-level radiation of all types was as dangerous as high level doses of radiation!

http://www.planningsanity.co.uk/reports/trower.htm

1990 – U.S. EPA

Environmental Protection Agency

EPA'S "Draft" report recommended EMR be classified 2B "Possible" carcinogen. 33 of 35 international research studies conclusively linked EMR to brain tumours, leukaemia & other forms of cancer, etc., but Pres. H.W. Bush's White House quashed recommendation due to pressure from *US Military, Telecom/wireless Industries.*

- EPA was forbidden to research EMR further.
- 1996 – US Telecommunications Act
- 1996 - EPA had funding cut drastically!
- 1996 - EMR was re-assigned to the FCC!

"Electromagnetic Radiation," Chloe Wadsworth

1992 – ICNIRP was born

The International Commission on Non-Ionizing Radiation Protection claims to be an independent scientific organization **responsible for providing guidance and advice on the health hazards of non-ionizing radiation exposure, yet considers only the THERMAL effects of EMR as harmful. "If the radiation does not heat the skin, it can't be harmful!"**

1993 - U.S. FDA
Food & Drug Administration

Data "Strongly Suggest" microwaves can promote cancer. FDA biologists concluded that the available data "strongly suggest" that M/W can "accelerate the development of cancer."

(obtained by Microwave News under the Freedom of Information Act.)
http://microwavenews.com/news/backissues/j-f03issue.pdf

1995 – CORRUPTION

EPA's own research caused them concern about EMR/F – wanted to establish guidelines to protect the public, but the U.S. Senate Committee on Appropriations stated: "… EPA <u>should not</u> engage in [electromagnetic field] activities!"

http://www.sandiegoreader.com/news/2011/may/18/citylights2-cell-phone-tower/?page=2&

W.H.O.
1996 – International EMF Project

Ten-year, USD *$250-million*
International EMF Project,
***lead by* Prof. Michael Repacholi,**
to assess the possible health effects of EMF (electro-magnetic fields) in the 0 to 300 GHz. range.

http://www.who.int/peh-emf/project/EMF_Project/en/index.html

1999
U.S. Consumer Affairs Commission

Current *thermal* guidelines associated with EMR are *irrelevant*.

***Cancer and Alzheimer's are associated with non-thermal* EMR effects.**

http://lifeenergies.com/he-emr/

2001 - Corruption and Greed

Industry is placing its <u>absolute need to sell products</u> above the health and well-being of its own customers. The practice of producing such products can only be viewed as predatory.

<u>http://www.icems.eu/docs/Robert_C_Kane.pdf</u>

2002 - Conflict of Interest IARC / WHO

Then IARC Director, Lorenzo Tomatis plus 30 other scientists from around the world went public claiming IARC had let industry get too involved in the decision-making as to <u>what is or is not cancerous</u> - 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."

2002 - FCC sets M/W limits >10,000 times HIGHER than levels known to cause illness! [Remember: FCC are politically-appointed non-scientists]

FCC…. Set public Exposure Limits for M/W radiation at levels at least 10,000 times higher than levels which, according to the EPA, were causing illnesses all over the world!

http://lifeenergies.com/he-emr/

2002 - Freiburger Appeal

Signed by more than 6,000 doctors.
lists 13 severe chronic illnesses & various disorders involving: behaviour, blood, heart, cancers, tinnitus, migraines, susceptibility to infections and sleeplessness.
All ascribed to *pulsed M/W from mobile communications devices*.

http://omega/twoday.net/stories/555926/

EMR causes Breast Cancer

"These are sufficient to classify a causal relationship between EMR and breast cancer, with melatonin reduction as the biological mechanism." **Dr Neil Cherry**

http://www.ecolibria.com.au/Resources/electromagnetic-radiation-emr-and-potential-adverse-health-affects

2003 - Health Canada is urged to lower Exposure Limits drastically

Toronto's Public Health Officer recommended Health Canada's Safety levels for microwave exposure be lowered by a factor of 100 times.

http://www.opha.on.ca/What%20We%20Do/Position%20Papers/papers/2003-02_pp.pdf

2003 – OPHA urges Health Canada to reduce SC 6 Exposure Limits

The Ontario Public Health Ass'n urges Health Canada to introduce strict <u>governmental research</u>, quality control and testing of cell phones available in Canada. The recommendation by Toronto Public Health to reduce the SC6 exposure limits by a factor of 100 has merit and deserves serious consideration by Health Canada.

http//www.opha.on.ca/What%20We%20Do/Position%20Papers/papers/2003-02_pp.pdf

2005 – Low Level Microwaves are Dangerous!

The Nobel Prize winning Irish Doctors Association listed 70 research papers showing the dangers from low level microwaves. Dr. Santini listed 20 similar studies, the EM. Radiation Research Trust listed 9 studies, Dr. Blackwell listed 6 similar studies in his report.

http://www.ecolibria.com.au/Resources/electromagnetic-radiation-emr-and-potential-adverse-health-affects

2005 – EHS is recognized by NIOSH in the USA

The National Institute for Occupational Safety and Health recognized Electromagnetic Sensitivity in 2005 –

Fifty-five (55) years after the Soviet Union!

Victor_tribute.pdf – Adobe Reader

W.H.O. Funding Summary for the International EMF Project (July 2006-June 2007)

INCOME

$249,682 Governments
$529,820 Others (i.e. Industry)
USD $779,502 TOTAL INCOME"

http://inthesenewtimes.com/2011/03/06/repacholi-admits-interference-from-the-industry-at-the-who-emf-project/

2007 – Health Canada is <u>again</u> urged to lower Exposure Limits drastrically

November 2007 - Toronto's Chief Medical Officer of Health recommends Health Canada's Safety levels for microwave exposure be lowered by a factor of 100X

http://safeschool.ca/Health_Warnings.html

BIOINITIATIVE 2007 REPORT

25 scientists, doctors and public health experts from 5 countries released a 650-page document with over 2,000 studies linking RF and EMR to cancer, Alzheimer's disease, DNA damage, immune system dysfunction, cellular damage and tissue reduction. **[Implied Health Canada's Exposure Limits were 10,000 times too high!]**

Prof. James F. Tracy in www.globalresearch.ca/PrintArticle.php?artcleId=31816

http://international-emf-alliance.org/index.php/appeal

2007 – European Parliament

European Environment Agency called on its *27 Member States (500-million people)* to: *"protect the public more effectively by taking 'Appropriate, precautionary and proportionate actions ... to avoid ... serious threats'*

ww.europarl.europa.eu/sides/getDoc.do?language=EN&reference=A6-0089/2009#title

2007 - EMR Suppresses Melatonin

Produced by the Pineal gland, Melatonin is a powerful cancer-fighting hormone produced in the body at night. Sleeping in a room surrounded by our favourite devices – cordless phone, cell phone, digital clock, CD/radio player, computer and TV – can seriously suppress melatonin production.

"Electropollution, Hormones and Cancer" www.nexusmagazine.com
Aug-Sept.2007

2008 – International Commission for Electromagnetic Safety (ICEMS) calls for GLOBAL application of the

"PRECAUTIONARY PRINCIPLE"

and more *protection is needed for pregnancy, newborns, children, and elderly people. ICES* says world's Exposure Limits are "inadequate" as only thermal effects are considered.

(Signed by 56 world-class scientists from 16 countries)

http://www.icems.eu/resolution.htm

2008 – European Parliament 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 <u>obsolete</u>.

http://safeschool.ca/Health_Warnings.html

Non-industry Scientists Say

Prof. Yurij Grigoriev, Chairman of RNCNIRP: "Man conquered the Black Plague, but now he's created EMF pollution"

The International Doctors' Appeal (more than 1,000 doctors): "This is the greatest biomedical experiment in human history ever."

Dr. Robert O. Becker, Two-time Nobel Nominee said in 2000: "The greatest polluting element in Earth's environment is the proliferation of EMF."

Non-industry Scientists (Cont'd)

The 2011 Seletun Scientific Panel: "Global population is at risk. Reduce Exposure Limits 1,000 to 10,000 times."

Dr. Dietrich Klinghardt: "…exposure to microwave and EMF is significantly harmful to all health and life itself."

Dr. George Carlo: "There's a major health crisis coming, probably already underway … cancers, learning disabilities, ADD, Autism, Alzheimer's, Parkinson's, psychological/behavioral problems."

Non-industry Scientists Say (Cont'd)

"I think it's becoming the disaster of the 21st century" says Dr. William Rea, one of the foremost experts on EHS disorder in the U.S., a cardiovascular surgeon <u>who has treated patients for EHS disorder for 40 years</u>

http://kfor.com/2013/07/23/customers-says-oge-smart-meters-making-them-sick/

Non Industry Scientists (Cont'd)

Dr. Gerard Hyland, a physicist, twice nominated for the Nobel Prize in Medicine, says, "Existing safety guidelines for cell phone towers are completely inadequate … Quite justifiably, the public remains skeptical of attempts by governments and industry to reassure them that all is well, particularly given the unethical way in which they often operate symbiotically so as to promote their own vested interests."

http://geopathology-za.wikidot.com/cell-towers

2010 – Published by Canada's National Research Council (NRC) Press

"Many Canadians are *being exposed to dangerous levels of radiation and concluded that* a *new* *biologically based* *guideline is needed, instead of the dangerous, outdated* *thermal guidelines*!"

Authors: B. Blake Levitt and Henry Lai

http://safeschool.ca/Health_Warnings.html

2010 - Corruption

In April 2010, eminent researchers: Olle Johansson (Sweden), Dr. Annie Sasco (France), Dr. Dimitris Panagopoulos (Greece) and Dr. Andrew Goldsworthy (U.K.) took part in conference before Canada's House of Commons Standing Committee on Health (HESA) outlining the dangers of low level EMR from cell phones, masts and wi-fi with reproductive decreases from cell phone EMR. All were subsequently demoted/punished in some way by their employers.

http://www.magdahavas.com/wordpress/wp-

2010 – President Obama's own Cancer Advisory Panel urges 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 <u>PRECAUTIONARY</u> approach.

2011 - European Parliaments
(47 countries – 800 million People)

The Council of Europe and the European Parliament recognize for the first time *biological 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."

http://www.safeinschool.org/2011/05/europes-may-2011-report-calls-for-ban.htmlhttp://www.magdahavas.com/wordpress/wp-content/uploads/2011/06/Weigel-2011.pdf

May 27, 2011 - Council of Europe Urges Break from ICNIRP and WHO

News release, urged all 47 Governments to <u>reconsider</u> ICNIRP's Exposure Limits (which are followed by the WHO & Health Canada) "*which <u>have serious limitations</u>* and *apply "as low as reasonably achievable" (ALARA) principles* … Governments should 'take all reasonable measures' to reduce exposure to EMFs

http://assembly.coe.int/ASP/_NewsManager/EMB_NewsManagerView.asp?ID=6685

World Health Organization
May 31, 2011

W.H.O.
Classified EMR a
Class 2B Carcinogen
"Possible" Cause of Cancer

http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf

2012 – "Concrete evidence EMR causes cancer"

Dr Annie Sasco, PhD. who worked 22 years in W.H.O.'s International Agency for Research in Cancer (IARC), including nine 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/cellphones and wi-fi cause cancer in humans."

http://www.youtube.com/watch?v=2JyAIO_UdSk

2012 – All Wireless Devices are Harmful

Nobel Co-laureate Dr Devra Davis has two videos that provide critical information about how all wireless devices (cell phones, cordless phones, wi-fi, cell towers etc.) harm our health.

http://www.youtube.com/watch?v=Xtd-y2C9lH4&feature=endscreen&NR=1
http://www.youtube.com/watch?v=a6wLFeIrCtU&feature=related

2012 - Alarming Facts

Global increases in past 20 years

Autism --- 600% to about 70-million!

ADD ----- 400%! (increasing 3% yr in US!)

Asthma – 300% to about 300-million!

Food Allergies – 400% to >270-million!

Diabetes – 220-million now; rising to 400-million by 2030!

Male Sperm – Average man has lost 53% in past 50 years! Will be "0" in 70 years!

http://wifiinschools.org.uk/resources/safeschools2012.pdf
www.gulf-daily-news.com/NewsDetails.aspx?storyid=341914

2012: The Breast Cancer Risk Nobody Talks About – EMR/EMF

Both Powerline (60 Hz) EMFs and radio / microwave electro-magnetic radiation (EMR) significantly disrupt melatonin, convincingly proving "the negative effect of EMFs on the anti-estrogenic effect of melatonin in breast cancer cells," German scientists find.

http://www.annlouise.com/blog/2012/10/23/the-breast-cancer-risk-that-nobody-talks-about/

2012 - Michelle Obama

While her husband has endorsed the electromagnetic Smart Meter, Michelle Obama, quietly contacted (Barrie) Trower for information through an agent in New York. After all, she has two daughters to protect. The hand that rocks the cradle may, yet again, rule.

http://www.cso.ie/en/newsandevents/pressreleases/2012pressreleases/statisticalyearbookofireland2012/

2012 - EMR and Pregnant Women

Wireless devices such as phones and laptops used by pregnant women may alter brain development of the fetus. This has been linked in both animal and human studies to hyper-activity, learning and behavior problems.

www.BioInitiativeReport.org

BioInitiative 2012 Report

EMR, i.e., Microwave radiation, should be classified a "*Human Carcinogen*." Existing FCC, IEEE and ICNIRP [and Health Canada] guidelines … do not protect us!

Recommends Exposure Limit for chronic exposure > 3-6 million times lower/safer than Safety Code 6! (i.e. 0.3-0.6 nW/cm² vs 1000 µW/cm²)

Five new cell tower studies report bio-effects from Powerline (60 Hz) ELF at levels 1,000 to 10,000 times lower than current Exposure Limits provide for!

www.bioinitiative.org

2012 - Fragility of Human Brain

The levels of RFR needed to affect the blood-brain-barrier have been shown to be as low as 0.001 W/kg, or less than holding a mobile phone at arm's length. The US FCC standard is 1.6 W/kg; the ICNIRP standard is 2 W/kg of energy (SAR) into brain tissue from cell/cordless phone use. Thus, BBB effects occur at about 1000 times lower RFR exposure levels than the US and ICNIRP limits allow.

www.bioinitiativereport.org

Down Syndrome

An increase of Down's syndrome was also found amongst the children of radar operators, and amongst residents near satellite uplinks in the microwave bands in Vernon, NJ (radar and satellite also fall within the microwave band).

http://www.emfwise.com/science_details.php

Effects of Radar

Radar has also been linked to "internal bleeding, leukemia, cataracts, headaches, brain tumors, heart conditions, and liver involvement with jaundice" at certain power densities.

http://www.emfwise.com/science_details.php

2013 – Children are at Risk!

On December 12, 2012, the American Academy of Pediatrics sent a letter to the U.S. Federal Communications Commission (FCC) warning of dangers to children because of current radiation Exposure Limits. New standards are needed

http://www.saferemr.com/2013/09/cellphones-and-health_9.html

2013 - All EMR is Dangerous!

Dr. Martin Blank, two PhDs: Physical Chemistry & Colloid Science says:

"Radio frequency in any form — cell tower radiation, Wi-Fi networks, cell phones etc. — is potentially bad, especially if one is exposed for extended periods (e.g., asleep in bed at home, seated at a desk in school)."

http://radiationrescue.org/advocacy_275.html

2013 - EHS in Sweden

EHS is considered a *physical impairment* and is recognized as a *disability*. Local governments grant support to individuals with EHS. *Employees with EHS have a right to support from their employers* so as to enable them to work despite this impairment. *Some hospitals in Sweden provide rooms with low EMF exposure.*

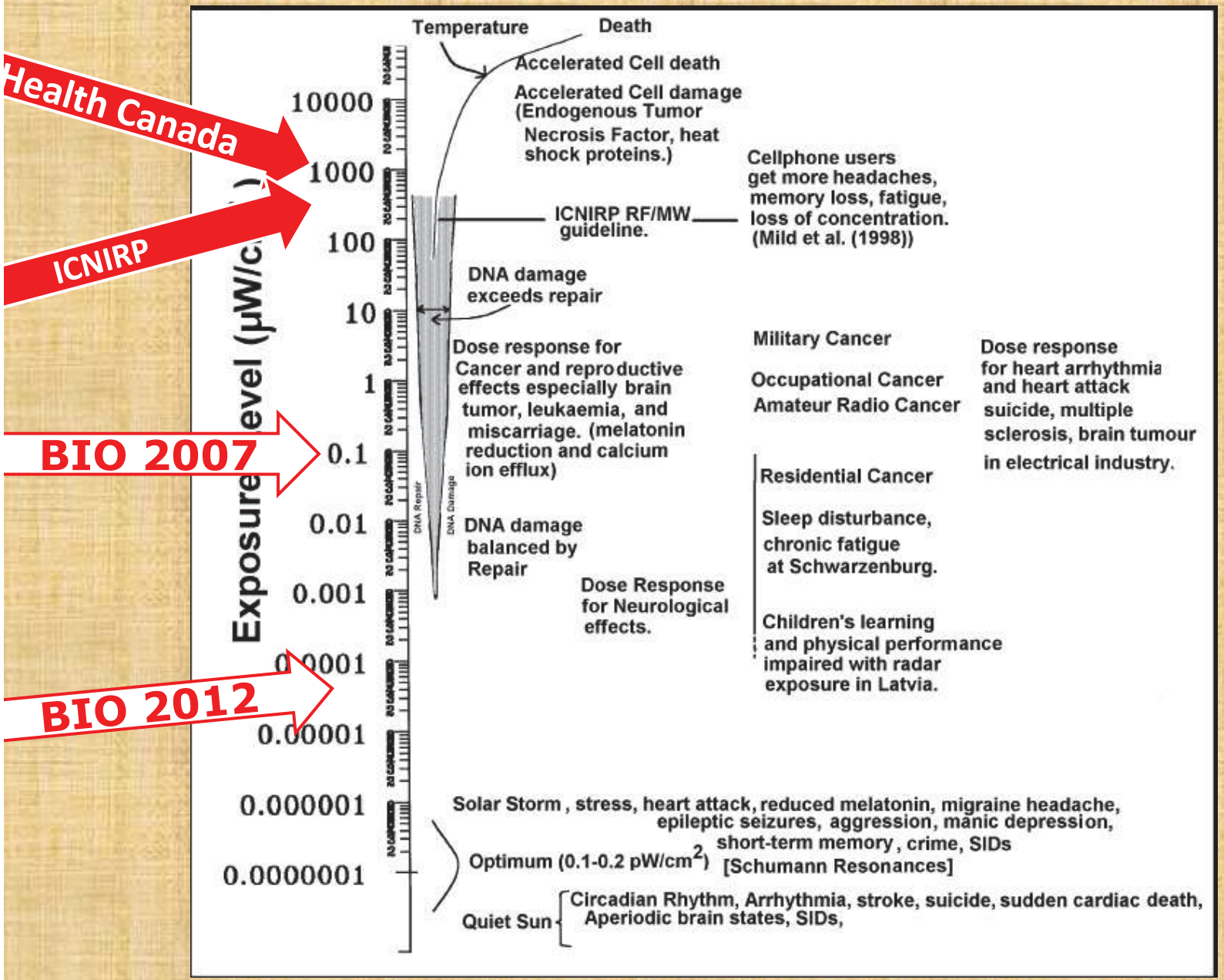
http://www.scribd.com/doc/87308119/Guideline-of-the-Austrian-Medical-Association-for-the-diagnosis-and-treatment-of-EMF-related-health-problems-and-illnesses-EMF-syndrome

Compare Austria's recommended radiation limits to Canada's

Salzburg Health Department recommends 0.001 μW/cm² outdoor and 0.0001 for indoor exposure.

Canada's is 10,000 μW/cm²- 24/7/365 in perpetuity for everyone: 1,000,000 to 10,000,000 times more dangerous!

http://goo.gl/4pzyE


Health Canada
ICNIRP
BIO 2007
BIO 2012
Exposure Level (µW/c
10000
1000
100
10
1
0.1
0.01
0.001
0.00001
0.000001
0.0000001
Temperature
Death
Accelerated Cell death
Accelerated Cell damage (Endogenous Tumor Necrosis Factor, heat shock proteins.)
ICNIRP RF/MW guideline.
Cellphone users get more headaches, memory loss, fatigue, loss of concentration. (Mild et al. (1998))
DNA damage exceeds repair
Dose response for Cancer and reproductive effects especially brain tumor, leukaemia, and miscarriage. (melatonin reduction and calcium ion efflux)
DNA Repair
DNA Damage
DNA damage balanced by Repair
Dose Response for Neurological effects.
Military Cancer
Occupational Cancer
Amateur Radio Cancer
Dose response for heart arrhythmia and heart attack suicide, multiple sclerosis, brain tumour in electrical industry.
Residential Cancer
Sleep disturbance, chronic fatigue at Schwarzenburg.
Children's learning and physical performance impaired with radar exposure in Latvia.
Solar Storm , stress, heart attack, reduced melatonin, migraine headache, epileptic seizures, aggression, manic depression, short-term memory , crime, SIDs
Optimum (0.1-0.2 pW/cm2) [Schumann Resonances]
Quiet Sun
Circadian Rhythm, Arrhythmia, stroke, suicide, sudden cardiac death, Aperiodic brain states, SIDs,

Failings of Provincial Chief Medical Officers

Given that Safety Code 6 applies to "all individuals working at, or visiting, federally regulated sites …." it therefore DOES NOT necessarily apply to provincial jurisdictions. Consequently, provincial CMO's who blindly adopt Safety Code 6 are derelict in their duty to protect the health and well-fare of their constituents!

http://www.safeschool.ca/Warning_to_MOH.html

Autism: 1 in 88 in China & North America

North America: 1 in 88 is Autistic;

China: No official numbers exist, but estimate 10-million children are Autistic, and 1 in 88 of general population.

http://www.thestar.com/news/canada/article1285628-the-autism-project-in-china-private-school-for-autistic-children-provides.hope

Birds – Bees – Butterflies

Over Last 25 years

Butterflies – 5 species now extinct in U.K.;
Arctic Migratory Birds - 109 species have shrunk in No.'s.;
Australian Shore Birds - 36 species have shrunk by 75%;
Butterflies (world) - 10% face extinction;
British Butterflies - 50% face extinction;
Bees – up to 75% fewer;
Asian Migratory Birds - 62% threatened;
Australian Wading Birds - 80% of them declined;
British Bees – half of species have declined by <70%;
U.S. Bees – No. of species decreased in size by <98%;
Birds – 190 different species face imminent extinction
Birds – 1 in 8 of world's species under threat

www.mastsanity.org/

Pregnant Women - EMR

"…. pregnant women are at risk of miscarriage if they are subjected to high intensity EMFs during pregnancy. Miscarriage is an extreme (and tragic) response to a high level of EM radiation exposure. Lesser EMF levels may still damage the foetus while not causing an actual miscarriage."

http://www.emwatch.com/Risk.htm

M/W Ovens are Dangerous!

Soviets have issued an international warning on the health hazards (both biological and environmental) of M/W ovens and similar frequency electronic devices (i.e. 2.4 GHz)

Health Effects of Microwave Radiation - Microwave Ovens by Lita Lee, Ph. D.

More about M/W Ovens !

What about the lawsuit in 1991 involving a woman who died after being given a transfusion of blood warmed in a microwave oven?

It is routine to warm blood for a transfusion, but not in a microwave. The blood in this case was changed into a toxic chemical.

www.guidetobodycleansing.com/microwaveovendanger.html

Water heated in M/W oven kills plant

http://www.bibliotecapleyades.net/ciencia/ciencia_industryweapons207.htm

Danish grade 9 students' 12-day cress seeds and Wi-Fi experiment

Healthy Cress

shielded from Wi-Fi router radiation

Danish grade 9 students' 12-day cress seeds and Wi-Fi experiment

Unhealthy Cress

exposed to Wi-Fi router radiation

Effects of Radiation are Cumulative

The effects of radiation are cumulative, in both senses: 1) The meters add to the cumulative radiation as sources proliferate, and 2) micro-wave radiation is cumulative in sense of increasing the body's sensitivity over time. Research shows that test subjects don't always recover completely and that subsequent exposures can cause effects at lower levels.

http://www.goodhealthinfor.net/radiation/health_efx_western.htm

Evidence 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.

www. KlinghardtAcademy.com

Terrifying Prediction By Royal College of Physicians, Ireland

In a mere six years half of us will become electromagnetically sensitive. A prediction by Salzburg's *Dr. Gerd Oberfeld* who addressed the Irish Doctors Environmental Association (IDEA) April 9, parallels the prediction by the *Royal College of Physicians* last year which predicted that half the Irish population will have "some form of cancer" by the year 2025.

www.bemri.org/component/docman/doc_download/370-world-e...

Transmitter Distances

Wi-Max Towers - 50 Km

Cell Towers - < 40 km
Spacing: 2-3 Miles (suburbs) ¼-1/2 miles apart (hi-density)

Cell Phones - < 5 Km

Cordless Phones – < 900 feet

Wi-Fi Routers: 802.11(a) 50', (b) 150', (g) 150' or (n) 1450'

Baby Monitors: > 2000 feet!

BlueTooth - <10 meters

Smart Meters: 1) LAN < 3 Km;
2) ZigBee: < 246 feet

INSURANCE

Lloyds and Swiss Re, have
recommended to other insurance companies to
write in exclusion clauses against paying compensation for illnesses caused by continuous long-term low level radiation.

http://www.planningsanity.co.uk/reports/trower.htm

$Billions in Profit for the Government

The Cellular Communication industry generates billions in profit and in revenue for the government. It is linked to retirement funds, media, banking giants, entertainment industries, the educational market, the music industry and medicine.

http://www.francesfox.com/enwhat-read-harmful-effects-cell-towers-cell-phones/

EMR - The Nuremberg Code

In essence, says: **a person being experimented upon must first:**

- **give their consent - free from *force, fraud, deceit, duress or coercion;***
- **have sufficient knowledge of *what is happening; and***
  - **know the *possible effects upon one's health*.**

It is the responsibility of the electric utility to ensure the public are fully aware of and understand what is happening to them and what, if any, risks to their health might be involved.

EMR is GENOCIDE

"This industry and those parts of governments which are encouraging them will be responsible for killing more people than all those killed in the entire 2nd World War! This will be the worst genocide this planet has ever known – not just people, but plants and animals. The U.K, U.S., Canadian and Australian governments are lying to the public to protect themselves against lawsuits and to make money for industry!"

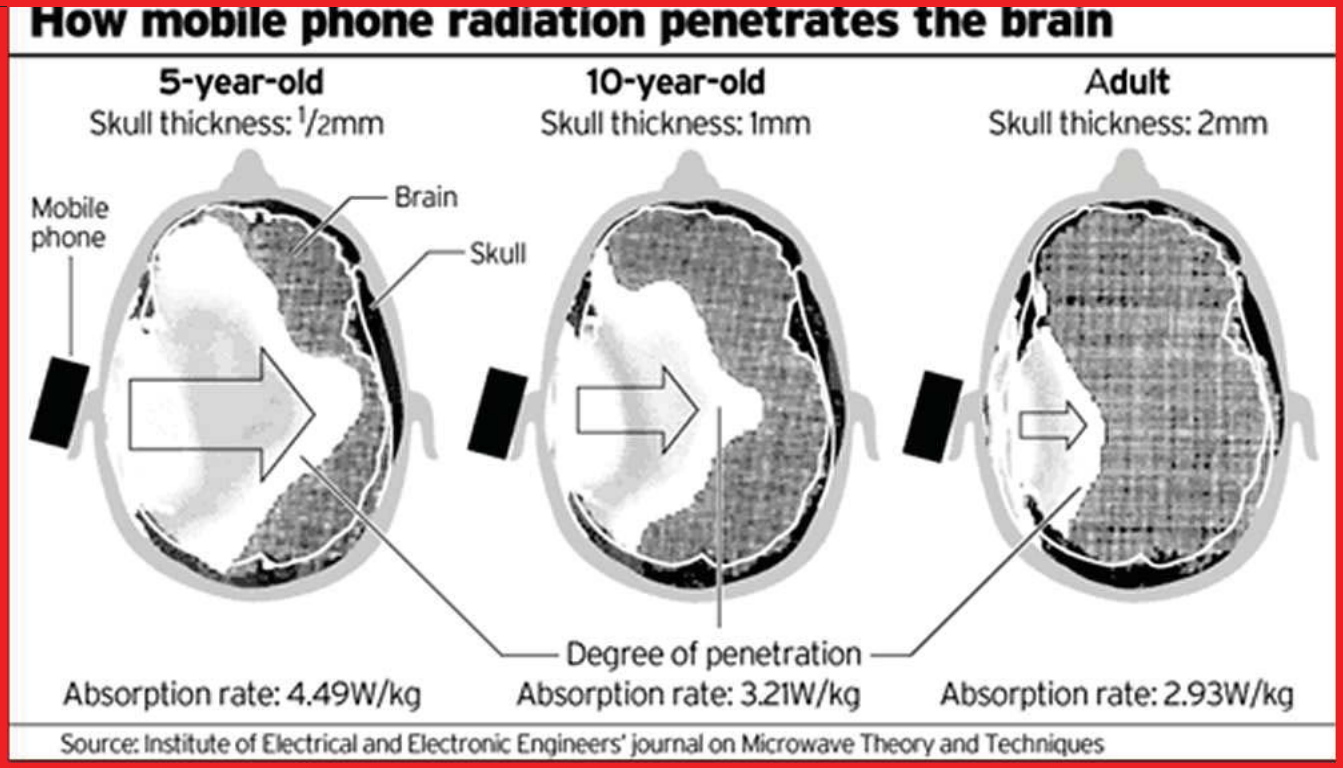
Barrie Trower. www.ICAAT.org

Cell Phones

Cell Phones

and Cancer

Cell Phone Radiation Penetration of a Human Head



Cell Phones

- 7 -Billion in world (2012)
- Scientists have now studied EMR for 40 yrs.
- Know latency period is 10 – 30 yrs.
- Brain cancers increased 50% in 10 yr period 1999-2009!
- Blackberry advises users: keep phone 0.98" from head …. Or any part of body!
- Apple advises users: keep phone 5/8" from head … or any part of body!
- Motorola advises users; Keep phone 1" from body and don't point phone at any part of body!
- Don't use cell phone inside vehicles - more radiation!
- Child's head absorbs 5X more radiation than an adult's.

1993 – Industry's own studies prove cell phones are dangerous!

The telecom industry's own six-year, $25 million study to prove cell phones are safe - proved just the opposite:

1) Federal microwave exposure standards are dangerously high!

2) Cell damage and tumors can be easily induced in the lab at about <u>one-third</u> of the FCC's exposure guidelines!

http://www.leaflady.org/ElectroSmog.htm
http://www.dirtyelectricity.ca/autism_and_emf.htm

1995 – Cell Phones and Cardiac Pacemakers

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

MICROWAVE NEWS May/June 2000

1997 - Cell Phone Warning

This is the first generation ever, in the entire history of humankind, which holds a powerful microwave transmitter up to its head, on a regular basis, hour after hour, day after day. Excessive telephoning on mobiles is going to have serious consequences. In the course of the next few years, health problems could arise, especially leukemia and brain tumors.

Prof. Dr. W.Ross Adey, Scientist with Loma Linda University

2003 – Industry should prove the harmlessness of their technology

Prof. Dr. Karl-Heinz Muller says just one millionth of a watt (0.000001 W or 0.001 mW or 1 uW) could already be sufficient to kill off one human brain cell!

Prof. Dr. Karl-Heinz Muller, physicist at South-Westphalian Technical College in Soest and Head of the Institute of Science and Technology Transfer.
www.electrosmognews.de/news/profmueller.htm

2003 - U.K. Gov't Bans Cell Phones in All Schools -

UK Education Secretary David Blunkett bans cell phones from all schools in England and Wales, saying mobile phones should only be used by pupils under 16 in EMERGENCIES.

The Sun, UK Press Sunday, November 16, 2003

2004 - Bluetooth wireless headsets: DANGEROUS!

… even more than regular wireless headsets because the wire is replaced with a transmitter and receiver operating on 900 MHz or 2.4 GHz. The power of wireless headsets rivals that of microwave ovens, which also operate on 2.4 GHz!

Cellular Radiation: Is this our next Titanic? by Dr. David R. James & Ora James Murphy (2004)

2004 – Radio Frequencies are Dangerous!

There are well over 10,000 scientific reports from many countries around the world, many of them dating back to the 1950's, verifying that high frequency energy shoots straight into the brain, is absorbed by the brain cells, heats them up and damages the DNA.

www.mercola.com

U.S Senate Committee Confirms Dangers of Cell Phones, http://emf//mercola.com/sites/emf/archive/2010/01/21/US-Senate-Committee-Confirms-Dangers-of-Cell-Phones.asps

2005 – French Scientists Forbidden to Speak about EMF

These people: *Richard Gautier, PhD, Roger Santini, PhD, Pierre Le Ruz, PhD*, and *Daniel Oberhausen, PhD* are the best French independant experts on EMF & health. They published a "white book" last year on mobile phone health risks, which caused quite a stir.

http://www.iddd.de/umtsno/puzen2.htm

Cell Phones – Heart Problems

“There is also a higher incidence of cardiac problems,” states Dr. Cherry. “It has now been shown in many studies that mobile phone users get more heart attacks and more heart disease.”

https://www.newdawnmagazine.com/articles/electro-magnetic-energy-pollution

2006 - Cell Phones Affect Sperm Count

- An American study from the Reproductive Centre in Cleveland in 2006 shows that men who used a mobile phone had a 25 per cent lower sperm count than men who never used a mobile. Sperm counts in the US have plummeted 29 per cent, attributed by the study's authors to mobile phone emissions."103

http://www.ecolibria.com.au/Resources/electromagnetic-radiation-emr-and-potential-adverse-health-affects

2007 - Cordless (D.E.C.T.) Phones 2.4 GHz radiate <200 Meters

Increased risk of brain tumor

(high grade malignant glioma) when used mostly on only one side of head is

470%!

(BioInitiative Working Group August 2007)

Today's Frequencies are Dangerous to Humans!

"A worse frequency could not have been chosen for the human anatomy." Researcher Carolanne Patton has found that "the brain reaches peak absorption in the UHF bands (300 MHz-3,000 MHz), right where mobile phones operate."

Blake Levitt states in his book: Electromagnetic Fields

2008 – "Cell Phones – Russian Roulette" Robert C. Kane

Cell Phones "expose users to levels of radiation that are much higher than the levels allowed for microwave ovens, and that radiation is focused directly into the brain of each and every user."

www.amazon.com/Cellular-Telephone-Russian-Roulette-Robe...

2008 – Two Billion May Suffer From Cell Phone Cancer by 2020

Studies **indicates that almost one-third of world's population (about two billion) will suffer from ear, eye and brain cancer, and other major body disorders like heart ailments, impotency, migraines, epilepsy.**

http://emrstop.org/index.php?option=com_content&view=article&id=151:2-billion-may-suffer-from-cell-phone-cancer-by-2020&catid=6:emfemr-information&Itemid=36.

2009 - India
Bans Cell Phones

Karnataka State, India
Bans cell phones
in all schools and
pre-university colleges!

http://www.hindu.com/2009/09/14/stories/2009091454460500.htm

2009 - Corruption Governments and Industry

German government made > 100 Billion DM (German Marks) selling UMTS (3G) cell phone licenses to telecom companies, who need to recover their investment and make profits. Successful nationwide lawsuits would interfere with this; hence, government and Industry set high Exposure Limits which can't be justified medically. In case of doubt a justice committed to corporate interests is appointed.

http://microondes.files.wordpress.com/2010/05/schoendorf_njw_interview_02_2009-en.pdf

Nine Types of Cancers Linked to Cell Phone Use – 2013

Glioma (brain cancer)	Acoustic Neuroma (tumor on acoustic nerve)	Meningioma (tumor of the meninges)
Salivary Gland Cancer (parotid gland in cheek)	Eye Cancer	Testicular Cancer
Leukemia	Thyroid Cancer	Breast Cancer

Cell Phone – Russian Roulette!

A cell phone, held against your head in the normal operating position, will provide a power density of radiofrequency radiation about 2 billion times greater than occurs naturally in the environment!

http://www.icems.eu/docs/Robert_C_Kane.pdf

2010 - Cell Phone Industry Owns W.H.O.

" ….there is no doubt: the Microwave Syndrome is not only the biggest experiment in the history of Mankind, but also, it is one of the biggest epidemics recorded in Medicine (after the Black Death, influenza, malaria, AIDS, etc) …As long as the cell phone industry owns the World Health Organization, the crime will proceed."

Dr. Carlos Sosa, M.D., Colombia, S. America.

http://www.electrosensitivesociety.com/2010/06/01/the-dr-carlos-sosa-m-d-story/

2011 – Council of Europe Notes "Conflict of Interest"

33% of studies funded <u>by industry</u> find cell phones harmful to humans.
Over 80% of studies <u>NOT funded</u> by industry find cell phones harmful to humans.
This is a "manifestly unacceptable situation pointing to *CONFLICTS OF INTEREST* which undermine the integrity, the genuine independence and the objectivity of scientific research."

http://www.assembly.coe.int/Documents/WorkingDocs/Doc11/EDOC12608.pdf

2012 – Conflict of interest?

Dr. Henry Lai, a University of Washington scientist in cellular and molecular engineering, who reviewed 85 papers on the DNA-damaging effects of the type of EMR from cell phones found:

- **75% of studies funded by the *wireless industry or the military* showed no genotoxic effects,**
- **80% of studies done by independent scientists showed harmful effects.**

http://articles.mercola.com/sites/articles/archive/2012/12/20/cell-phone-research-deception.aspx

2012 - Russia Warns Pregnant women:

Avoid using mobile phones entirely …

Also children under 18. Austria, China, Germany, India, U.K., Israel, Finland, Belgium, Ireland, Spain, Sweden & Toronto have issued health warnings for children: "use cell phones in emergencies only – but only on speaker phone"

Prof. Yury Grigoriev, Chairman of Russian National Committee on Non-ionizing Radiation Protection (NIRP)

2012 - Prof. Repacholi
a man with no conscience

"…… certainly, from the health viewpoint there is no concern that we've seen thus far that parents need to be worried about children's use of mobile phones."

http://www.gsma.com/publicpolicy/repacholi-interviews-03

2012 - Cell Phones and Pregnant Moms

"Children whose mothers used cell phones during pregnancy had:
25% more *emotional problems*,
35% more *hyperactivity,*
49% more *conduct problems* and
34% more *peer problems*."

www.bioinitiativereport.org

Cell Phones are Dangerous!

Men who carry cell phones in their front pockets run the risk of sterility, impotence, and even testicular cancer, and women who keep mobile phones in their pockets risk the same problems with their ovaries.

http://www.newdawnmagazine.com/articles/electro-magnetic-energy-pollution

2013 – Children are at Risk!

On December 12, 2012, the American Academy of Pediatrics sent a letter to the U.S. Federal Communications Commission (FCC) warning of dangers to children because of current radiation Exposure Limits. New standards are needed

http://www.saferemr.com/2013/09/cellphones-and-health_9.html

2013 – Autism and Cell Phones

In the 1970′s, before widespread use of cell phones autism was a comparatively rare health issue. Today, it is so prevalent that the Centers for Disease Control call it a "national health crisis."

http://emfsafetynetwork.org/

Cell Phone on Stand-by can cook a chicken in 3 days!

“If you place a mobile phone on stand-by mode in the cavity of a fresh raw chicken and leave it there for about three days, the microwave radiation from the phone will cook the chicken.”

https://www.newdawnmagazine.com/articles/electro-magnetic-energy-pollution

May 2013 – Cell and Cordless Phones PROBABLY cause cancer!

Swedish review strengthens grounds for concluding that radiation from cellular and cordless phones is a probable human carcinogen.

http://www.ncbi.nlm.nih.gov/pubmed/23664410

2013 – Heart Pacemakers and Cell Phones

The Health Industry Manufacturers Ass'n recommends a minimum separation of 15 cm (6 inches) be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker.

http://manuals.info.apple.com/MANUALS/1000/MA1571/en_US/ipad_2_att_important_product_info.pdf

Cell Phone Towers/Masts

Why are cell towers so dangerous?

Because of the constant pulsed radio frequency radiation, which has been shown in thousands of studies to cause biological damage to the body and is a precursor to diseases (besides cancer) such as:

- **Genetic mutations**
- **Hindered learning**
- **Insomnia**
- **Hormonal imbalances**
- **Dementia**
- **Memory disruptions**
- **ADD**
- **Brain disorders**
- **Infertility**
- **Heart complications**

http://thewatchers.adorraeli.com/2013/06/24/new-study-links-over-7-000-cancer-deaths-to-cell-phone-tower-radiation-exposures/

1995 - Dr. Michael Repacholi
W.H.O. employee & "primary expert"

Promoted BellSouth's proposed new GSM cell site in New Zealand, but the N.Z. Environment Court rejected his position that *"there was no evidence of adverse effects below the international guidelines …. because the only effect of RF/MW was tissue heating."* Dr. Repacholi's own research proved this was not true, said Dr. Neil Cherry !

www.land-sbg.gv.at/celltower

1996 - CORRUPTION

Congress passed the Telecommunications Act of 1996 which made it illegal for any community to consider health or environment in regulating cell towers.

http://www.sandiegoreader.com/news/2011/may/18/citylights2-cell-phone-tower/?page=2&

1999 – Toronto Adopts a "Prudent Avoidance" Policy

Toronto's Board of Health gave their support to a Prudent Avoidance policy, which recommended that the levels of radio frequency radiation from cell phone towers in the City of Toronto be kept 100 times below Safety Code 6 guidelines.

Havas, Recommendations, TPH, Prudent Avoidance RFR, Nov 4, 2013

2000 – Cell Towers Reduce Radiation 10,000 times!

The Salzburg Resolution, adopted in 2000 at the International Conference on Cell Tower Siting, would prohibit any cell site from emanating more than .1 mW/cm2 - 10,000 times more strict than the current U.S. standard. This limit takes into account the growing evidence for non-thermal RF bio-effects.

signed by 19 of 23 speakers, including Dr. Carl Blackman of the U.S. Environmental Protection Agency.

2002 - Cell Towers and Cancer

People living in 5 of the 7 homes surrounding Forest House in Carnarvon Road, South Woodford, which has 16 masts on its roof, have contracted cancer.

http://www.ecolibria.com.au/Resources/electromagnetic-radiation-emr-and-potential-adverse-health-affects

2003 – Telecom Company Stops Operations at School Following 8 Cancers

Telecom giant Orange has suspended operations at a school phone mast site in Paris after eight cases of cancer were confirmed among children in the district.

http://www.ecolibria.com.au/Resources/electromagnetic-radiation-emr-and-potential-adverse-health-affects

2004 - TETRA Cell Phone Tower

One morning in a British primary school, 11 children in various classrooms suddenly and simultaneously developed nose bleeds and nausea for no apparent reason. One child collapsed and was rushed to hospital. Cause? Weeks later it was found that a TETRA transmitter mast, which had been installed in the village some months earlier – located 75m/210 feet from the school – had been switched on for the first time on that very same disastrous morning!

Cellular Radiation by Dr. David R. James & Ora James Murphy, pp 46/47

2006 – Cell Towers 7 Develop Brain Tumors

In Melbourne in 2006 seven people at the Royal Melbourne Institute of Technology (RMIT) developed brain tumours two floors underneath transmitting antennas. They had been working there for ten years.

2006 – Cell Towers and HV Power Lines

Greece prohibits cell phone towers and HV powerlines within 500 meters of schools.

(World News 24/10/2006)

http://www.savedereel.com/2008

2007 - Cell Phone Towers & Cancer

"Around the world cancer clusters and other illnesses have been reported in the vicinity of cell towers and on top floors of buildings that have antennas on their roofs, e.g., hospitals and universities.

In 2007, a cancer cluster in a hospital in Israel was found with 10 people on the top floor contracting cancers.

http://www.yshield.com.au/yshield.downloads/joining-the-dots-executive-summary.pdf

2007 – Cell Towers and Cancer Clusters

The Sunday Times reported that seven clusters of cancer and other serious illnesses have been discovered around mobile phone towers in the UK, raising concerns over the technology's potential impact on health there.

http://www.ecolibria.com.au/Resources/electromagnetic-radiation-emr-and-potential-adverse-health-affects

2008 – 1 Cell Tower
8 Brain Cancers

San Diego State University. All 8 cancer victims worked in or near the 3-story building on which a cell tower was mounted.

Another professor who worked in the building is said to be suffering from another kind of brain cancer.

http://healthjournalism.org/blog/tag/brain-cancer/

Cell Tower Radiation and Down Syndrome

Vernon, New Jersey (pop. 25,000) ranks 5th in the USA in terms of the number of microwave transmitters it has. The town's incidence of Down's syndrome is nearly 1,000 per cent (1,000%) above the national average!

"Cross Currents" by Dr. Robert O. Becker, pp 199
(Dr. Becker is a two-time Nobel Nominee)

2008 – Toronto adopts "Prudent Avoidance" re. Cell Towers

City Council's new "PA" policy urges telecom companies installing new cell towers in the city to keep radiation levels <u>100 times below</u> Health Canada's <u>Safety Code 6</u>.

http://www.itworldcanada.com/article/torontos-cell-tower-radiation-guideline-to-stay/86625#ixzz2kb5ulnJz

2009 – 1 Cell Tower
43 Cancer Victims

MALAGA - SPAIN

43 cancer cases among 350 residents living near a mobile telephone relay antenna

www.scribd.com/doc/23242188/Malaga-43-Cancer-Cases-Amon...

2012 – Two Cell Towers
7 Cases of Cancer

British cell phone company ordered to remove 2 cell towers from 5-story building:

7 residents struck down by cancer. Three died; another 4 have battled the disease since masts were erected on roof.

Known as the Tower of Doom, the cancer rate on the top floor is 20%, 10 times national average!

http://www.agoracosmopolitan.com/home/Frontpage/2008/02/01/02182.html

BioInitiative 2012 Report

Five new cell tower studies report bio-effects from powerline (60 Hz) electro-magnetic fields (ELF EMFs) at levels 1,000 to 10,000 times lower than current Exposure Limits provide for!

www.bioinitiative.org

2013 – Saskatoon calls for dialogue before Cell Towers are erected

City council calls for public consultation before telecom companies can build cell towers less than 15 metres in height within 30 metres of a residence.

http://www.itworldcanada.com/article/tighter-cell-tower-rules-come-to-saskatoon/47308#ixzz2kb2BuTep

06/2013 – >7,000 cancer deaths linked to Cell Tower Radiation

Belo Horizonte, Brazil.
80% of victims lived < 1/3 mile from a cell tower.
People died from cancers of prostate, breasts, lungs, kidneys, liver.
Studies in San Francisco and cities in Austria, Germany & Israel dating back to 1970 shared similar findings.

http://thewatchers.adorraeli.com/2013/06/24/new-study-links-over-7-000-cancer-deaths-to-cell-phone-tower-radiation-exposures/

2013 – Toronto Reaffirms "Prudent Avoidance" Policy - Cell Towers

Toronto's Board of Health reaffirms City's Prudent Avoidance policy re. cell phone tower radiation levels (100 times lower than Health Canada's Safety Code 6) despite recommendation of city's current Medical Health Officer to drop it!

http://www.itworldcanada.com/article/torontos-cell-tower-radiation-guideline-to-stay/8662#ixzz2kb9md6kL

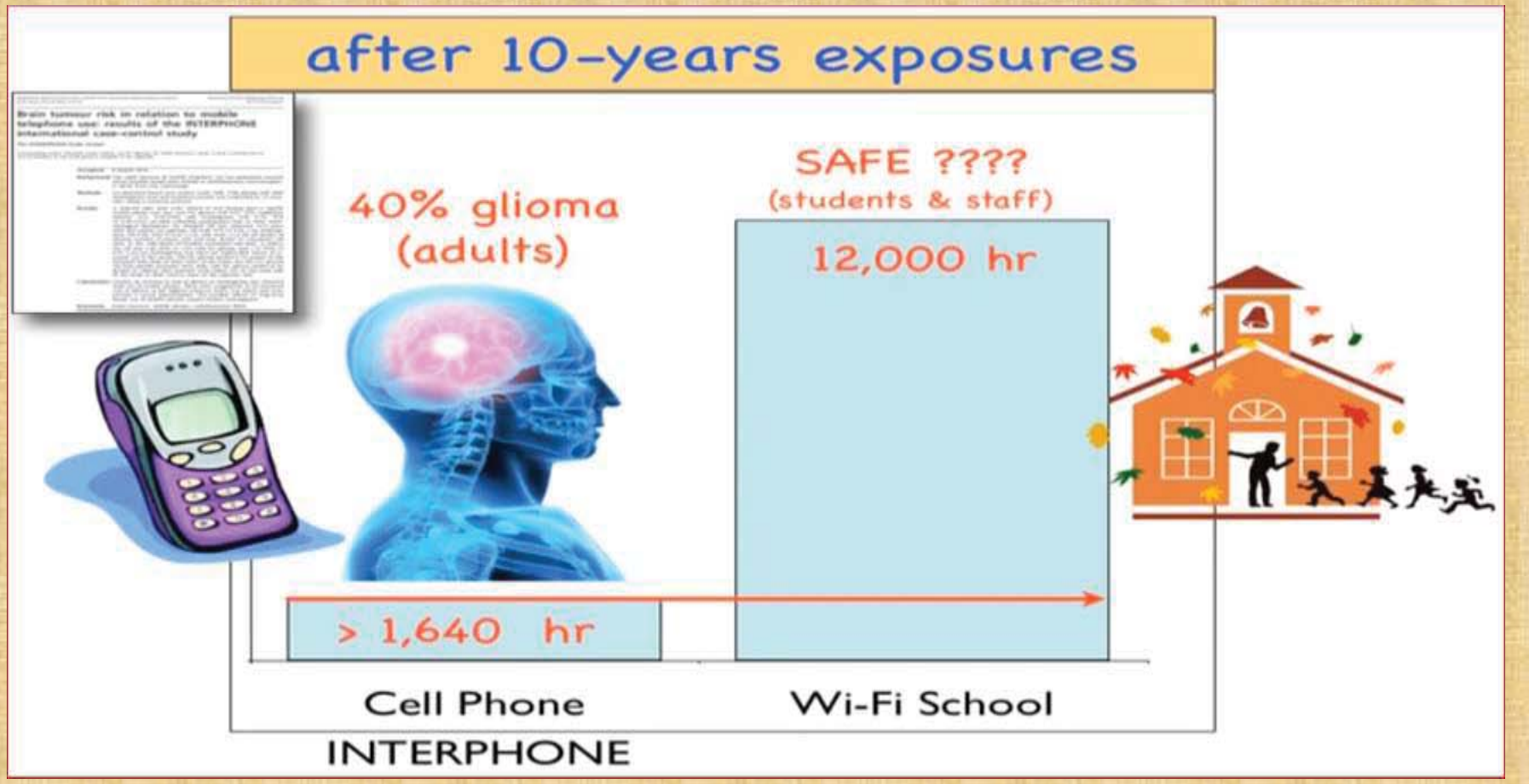
Cell Phone Towers and House Prices

Cell phone towers also have a terrifying impact on prospective house purchasers or tenants. It is now known that cell phone masts can reduce the sales price of real estate by 40 - 60% (if it can be sold at all) and result in rent reductions of 10 - 20%!

http://www.ntz.de/kommunen/koengen/aktuelles/index.php!1_action=einzel&id=3244

Wi-Fi

Wi-Fi in Schools is Safe?



http://www.youtube.com/watch?v=6v75sKAUFdc

1999 - The Wi-Fi Alliance

Is a "global non-profit organization with the goal of driving adoption of high-speed wireless local area networking." It consists of 500 companies and is sponsored by *T-mobile, Texas Instruments, Sony, Samsung, Qualcomm, Nokia, Motorola, Microsoft, LG, Intel, Huawei, Dell, Comcast, Cisco, Broadcom, and Apple.*

http;//www.magdahavas.com/subversion-of-science-royal-society-of-canada-panel-with-conflict-of-interest-to-review-safety-code-6/

2000 – Telco's own studies show <u>RF radiation leads to cancers</u>

In 2000, European telecom giant T-Mobile commissioned the German ECOLOG Institute to review all available scientific evidence in regard to health risks for wireless telecommunications: found over <u>220</u> peer-reviewed, published papers documenting the cancer-initiating and cancer-promoting effects of the high frequency radiation employed by wireless technology!

<u>http;//www.rense.com/general78/rad.htm</u>

2003 - Swisscom admits the danger but does nothing about it!

Swisscom, the leading telecom provider in Switzerland, reveals the true DANGER of Wi-Fi in a patent application. It devised a way to reduce the microwave radiation from Wi-Fi LANs

In its patent application, Swisscom clearly states the elevated risk of cancer and genetic damage from the constant low level microwave/RF exposure from Wi-Fi.

http://www.safeschool.ca/Swisscom__WiFi_Harms.html

2007 – Industry's Roving Ambassador

Prof. Repacholi, on leaving the W.H.O. became roving ambassador for industry, promoting wireless devices to children and schools.

He's also Chairman Emeritus of ICNIRP

http://inthesenewtimes.com/2011/03/06/repacholi-admits-interference-from-the-industry-at-the-who-emf-project/

2008 – E.U. Countries Dismantling Wi-Fi in Schools

In the past 2 years alone Switzerland, France, Germany, Belgium and England have begun removing Wi-Fi from schools and public libraries …. other countries are pressing to do same. [Yet here in Canada, thanks to CWTA, it is being pushed into schools and public places!]

http://www.msnbc.msn.com/id/34509513/ns/health-cancer/t/electrosmog-harming-our-health/#.UPnBRR2rnTp

Doctors/Scientists Call for Moratorium or Stricter Guidelines on All Wi-Fi Devices

Seletun Consensus Statement 2010
Copenhagen Resolution 2010
Int'l Appeal of Würzburg 2010
Dutch Appeal 2009
EMF Resolution 2009
Porto Alegre Resolution 2009
European Parliament
Paris Appeal 2009
London Resolution 2009
Venice Resolution 2008
Berlin Appeal 2008
Brussels Appeal 2007

http://www.cellphonetaskforce.org/?page_id=128

2011 - Council of Europe
(47 countries – 800 million people)

Committee called for ban of cell phones and Wi-Fi in all schools … immediate action is required to protect children … it's crucial to avoid repeating mistakes concerning the dangers of asbestos, tobacco and lead. [Yet Canada refuses to heed these 47 countries!]

http://articles.mercola.com/sites/articles/archive/2011/06/02/european-leaders-call-for-ban-of-cell-phones-and-wifi-in-schools.aspx

2011 - Canadians perilously overexposed to EMR

In Ontario's Simcoe County, children in at least 14 schools have become ill since the schools installed Wi-Fi, beginning in 2006, with symptoms of – speeding heart rate, fatigue, headaches. Two children have "had cardiac arrests" and are on heart medication. "Now every school in Simcoe County has its own defibrillator, as though teenage heart attacks are normal."

http://www.policyalternatives.ca/publications/monitor/jumping-wireless-bandwagon

2012 - Teachers call to BAN Wi-Fi in Ontario schools.

Ontario's English Catholic Teacher's Assn. (45,000 teachers) wants to ban new Wi-Fi installations in the province's 1,400-plus Catholic schools and wants computers in all new schools to be hard-wired.

http://www.cbc.ca/news/canada/toronto/story/2012/02/13/t

2012 - Wi-Fi in Schools

"UNICEF's," a children's charity, own research found an 85% increase in *central nervous system disorders*, a 36 % increase in *epilepsy*, 11 % in *psychiatric problems*, 82 % in *blood / immune disorders* in children and *risk to the fetus,"*

http://www.cso.ie/en/newsandevents/pressreleases/2012pressreleases/statisticalyearbookofireland2012/

Oct. 2012 – American Academy of Pediatricians on Wi-Fi in Schools

The AAEM (60,000 pediatricians) issued a public warning: Evidence clearly exists that EMR is harmful; don't use Wi-Fi in schools!

http://aaemonline.org/images/LettertoLAUSD.pdf

2012 – "Concrete evidence EMR causes cancer"

Dr Annie Sasco, PhD. who worked 22 years in W.H.O.'s International Agency for Research in Cancer (IARC), including nine 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/cellphones and wi-fi cause cancer in humans."

http://www.youtube.com/watch?v=2JyAIO_UdSk

2013 - Wi-Fi & Cell Phones

If they are so safe, why has *Didier Bellens,* who runs Belgium's largest telecom. company, banned them from his offices?

ttp://www.naturalnews.com/038702_cell_phone_radiation_dangers_Belgium.html#ixzz2Uzyu8CHh

March 2013 - L.A. Teachers' Union

Adopted a resolution to
<u>ensure</u>
safety from hazardous EMF in schools
including emissions from
Wi-Fi technology.

.

http://www.facebook.com/SaferEMR

“Wi-Fi Technology is an Uncontrolled Global Experiment on the Health of Mankind”

So say Marko Markov - Research International, Williamsville, NY, USA and Yuri G. Grigoriev - Russian National Committee of Non-Ionizing Radiation Protection, Moscow, Russia

Electromagnetic Biology and Medicine, June 2013; 32(2): 200–208

Powerline Frequency (60 Hz) EM Fields

ELF EMFs cause tubes to glow

http://inhabitat.com/eco-art-fi9eld-of-beams/

SAFE Levels of EMF – Who is Right?

Government standards for the allowable "SAFE" output of EMF's from electrical appliances and equipment. (Measured in milliGauss (mG), at a distance of 30 centimetres or 1 foot from the appliance/equipment):

Russian Safety Standard - 1.5 mG

Swedish Safety Standard - 2.5 mG

US/Canada/Australian Safety Standard - 1000-5000 mG

1989 – Pulsed EMF and Cancers

EMFs cause cancer in a study of electric utility workers in Quebec (follow-up, 1970–1988) and France (follow-up, 1978–1989): 2,679 cases of cancer were identified. (Hydro Quebec was furious results were published; stopped further research.)

www.researchgate.net/...EM...cancer/.../d912f50aabdf733a7d.pdf

1990 – EPA Says Power Line EMF is a Probable Carcinogen

A leaked EPA document said it should be classified a "Probable (2A) human carcinogen."

William Farland, then-director of the EPA's Office of Health and Environmental Assessment ordered this conclusion deleted from the report.

http://bizgenerationnetwork.blogspot.ca/2012/07/lynas-cancer-and-you.html

1990 – Electric Blankets Cause Brain Tumors in Children

"a quadrupling in the risk of brain tumors among children whose mothers slept under electric blankets during the first trimester of pregnancy."

http://www.think-aboutit.com/energy/pwr_line.htm

1994 - Sewing Machines and Alzheimer's

"Industrial and home sewing machines produce much larger EMFs than other appliances, and people who use sewing machines regularly have the greatest exposure of any occupation--as much as *three times* that of electric power line and cable workers!"

http://articles.latimes.com/1994-07-31/news/mn-22049_1_occupational-exposure

1996 - Corruption in the W.H.O.

Dr. Michael Repacholi said: "*Precautionary policies SHOULD NOT be applied to EMFs!*"

Recruited only ICNIRP & *utility scientists to* help write 1st draft of WHO's "Exposure Limits." Later had them review the completed draft. Then invited 8 utility reps. to attend a task group meeting —
Media were banned & independent scientists excluded!

http://lifeenergies.com/he-emr/

1996 – U.S. Federal Court ruled citizens can't sue electric utilities over EMR

U.S. Federal Court ruled that citizens <u>may not</u> bring suit against electric power companies over electromagnetic radiation emissions!

http://www.think-aboutit.com/energy/pwr_line.htm

1996 – Exposure to High Levels of Magnetic and Electric Fields

Utility workers exposed to high levels of magnetic *and* electric fields have <u>11 times</u> the expected rate of leukemia.

<u>Dr. Tony Miller, University of Toronto.</u>
<u>Microwave News July/August 2001</u>

1998 – U.S. NIEHS
National Institute of Environmental Health Sciences

Classified ELF EMFs
a 2B "Possible" Carcinogen.

(Electrical sub-stations, power lines, house wiring electrical appliances)

http://lifeenergies.com/he-emr/

50-60 Hz Magnetic Fields Are Dangerous!

(2000)

In his book, *Cross Currents* Robert O. Becker, MD wrote, "… scientific evidence is absolutely conclusive: *50-60 Hz magnetic fields* cause human cancer cells to permanently increase their rate of growth by as much 1,600 per cent and to develop more malignant characteristics."

http;//www.wirelessimpacts.org/science/becker.html

2001 – WHO's own IARC says ELF EMFs are "Possible" carcinogens

Twenty-one scientists from 10 countries unanimously find ELF EMFs are a Class 2B "Possible" carcinogen …

(U. Vic.'s Dr. Maria Stuchly remains unconvinced … Dr. William. Bailey-Exponent, Dr. Michael Repacholi-WHO observer)

(Electrical sub-stations, power lines, house wiring, electrical appliances)

Microwave News July/August 2001

http://www.emfwise.com/powerline.php and www.microwavenews.com

2002 - Corruption

Dr. Neitzke from the ECOLOG Institute proved that the special one of the researches conducted in Australia on the harmlessness of pulsing radiation has been forged (Utteridge, 2002)

http://www.iddd.de/umtsno/puzen2.htm

2005 - Corruption in W.H.O.

On July 5, 2005, it was published that

Dr. Michael Repacholi,

Coordinator of the WHO's Radiation & Environmental Health Unit, *receives $150,000 a year (via Royal Adelaide Hospital, S.A.) from the cellular phone industry with additional money for meetings and travels*.

(microwavenews.com 5.7.05)

2005 - WHO and Electric Utilities: A Partnership on EMFs

Assisting Repacholi to determine Environmental Health Criteria for ELF EMFs were Leeka Kheifets & Gabor Mezei - EPRI; Jack Sahl - Southern California Edison and John Swanson - National Grid, the U.K. utility. Repacholi sent a draft of the EHC out for review, to: • William Bailey -Exponent Inc., U.S. • Federation of Electric Power Companies of Japan (FEPC); • Kent Jaffa - Pacificorp, U.S. • Michel Plante - Hydro-Quebec, Canada, etc.

http://microwavenews.com/docs/WHOWatch.pdf

August 2005 – Petition

Please sign the Petition, click on the picture below:

http://www.thepetitionsite.com/petitionfaqs.html

$$$ matter more to INDUSTRY than concerns about HEALTH

The Health Sciences Utility Group, another power industry group that Dr. Repacholi asked to review the EHC draft document, stated: <u>increased costs to industry should take precedence over health considerations</u>" when they proposed a change in the chapter on protective measures

2006 – Corruption: Money Talks

A clear —and disconcerting— pattern emerges: 32 of the 35 studies that were paid for by the mobile phone industry and the U.S. Air Force show no effect. They make up more than 75% of all the negative studies. You don't need to be a statistician to infer that money, more often than not, secures the desired scientific result.

http://microwavenews.com/RR.html

Electropollution Can Directly Affect Efficiency of the Heart

Workers at high voltage power station switchyards had cardiovascular disease including bradycardia, instability of pulse and blood pressure, and tremors.

The Body Electric. Robert O. Becker. Pp 291

2010 - U.S. E.P.A.

Environmental Protection Agency

Publicly acknowledged that ELF EMF are a serious threat to health. "More and more people living near HV lines have reported severe symptoms and even life-threatening diseases."

http://www.emfnews.org/headset.html

2010 - Alzheimer's Disease and Down Syndrome

Dr Koslov, Director Applied Physics at John Hopkins University recently went public with a link between EM field microwave exposure and Alzheimers disease out of frustration over lack of funding for electromagnetic bioeffects research. National Institute of Mental Health

www.geopathic-stress.info/index_files/Page1263.htm

2012 - Electricity and the Amish

(who shun Electricity), compared to the U.S. 'national average,' experience:

ADHD – 0%

Allergies – 7.2%

Alzheimers – 0%

Autism – virtually none (1 in 100,000)

Cancers – 56%;

Diabetes – 40%;

Dimentia – very low

Suicides – 50%;

Dr. Sam Milham & www.ageofautism.com/2012/05/dan-olmsted-the-amish-all-over-again.html

2012 - Powerline (60 Hz) Magnetic Fields are a Carcinogen

Sufficient epidemiological evidence exists: EMF (power frequency magnetic fields) can be classified a Group 1 "Known Carcinogen"

www.bioinitiative.org

2012 - EMF & Female Breast Cancer

Female breast cancer has reached epidemic proportions, with 1 in 10 American women developing it and 1 in 4 dying.

Alarmingly, of women who develop the disease, 55% have no known risk factors.

Undeveloped countries fare much better.

http://bizgenerationnetwork.blogspot.ca/2012/07/lynas-cancer-and-you.html

ELF/EMF – Melatonin - Tamoxifen

Melatonin

Breast cancer patients have <1/10th normal level.
Prostate cancer patients have <1/2 normal level.
Autistic children have <1/2 normal level.
Night-shift workers have <1/2 normal level.

Tamoxifen

EMR/EMF stops TAMOXIFEN from working.

http://lifeenergies.com/he-emr/

Plummeting House Prices

Due to high ELF and EMF

***Buying a house or living in a house with EMF will be an economic disaster*. In a few years, when power line radiation is as well known as asbestos and radon, *a house near power lines or with high EMF will be practically impossible to sell.* Business Week writes that there are over 100 lawsuits regarding power lines and property devaluation.**

http://www.concernedcitizensmontana.net/Publish/Appraisal.groupone.pdf

SMART METERS

Community-wide Radiation

SMART METERS

Bill 17 – 2010
"CLEAN ENERGY ACT"

BC Utilities - Chose "WIRELESS"

Japan, France*, Idaho, Tennessee, Virginia - Chose Fiber Optic Cable

Italy – Chose Power Line Carrier

HEALTH CANADA

(Tobacco, Asbestos, DDT, Thalidomide, Lead)

"Safety Code 6"

"*Guidelines*" only, as Canada has *NEVER* done its own studies

Simply *adopted INDUSTRY studies*

Which protect against *THERMAL* effects

Ignore Non Thermal /Biogogical Effects

“Safety Code 6”

The public is never told that it <u>does not apply</u> to the general public but rather, “… the safety limits in this code apply to all individuals working at, or visiting, federally regulated sites ….” and

These guidelines may also be adopted by the provinces, industry or other interested parties.”

http://www.safeschool.ca/Warning_to_MOH.html

1974 - Most Lethal M/W Frequencies are in Smart Meters

"Research conducted at Stanford Research Institute, C.A., showed that experimental exposure to high levels of M/W radiation well above U.S. and Canadian guidelines *killed rats within seconds to a few minutes.* Of the 4 frequencies tested, the two most lethal were those inside every Smart Meter: 0.95 and 2.45 GHz!"

MagdaHavas.com

Nov. 2011 – AAEM calls for moratorium on Smart Meters

In Nov. 2011, the Board of the American Academy of Environmental Medicine (AAEM), a national organization of medical and osteopathic physicians, called on California's Public Utilities Commission to issue a moratorium on further installation of Smart Meters in residences and schools "based on a scientific assessment of the current available literature." ***http://www.globalresearch.ca/looming-health-crisis-wireless-technology-and-the-toxification-of-america/31816***

2013 - Health Canada still says

2013 – Health Canada scientist, James McNamee, admitted in Quebec Superior Court in Feb. 2013 that for frequencies between 100 kHz and 300 GHz *Safety Code 6 is based ONLY on HEATING!*

http://www.magdahavas.com/health-canada-admits-safety-code-6-guideline-for-microwave-radiation-is-based-only-on-thermal-effects/

2013 - Safety Code 6 Review Member

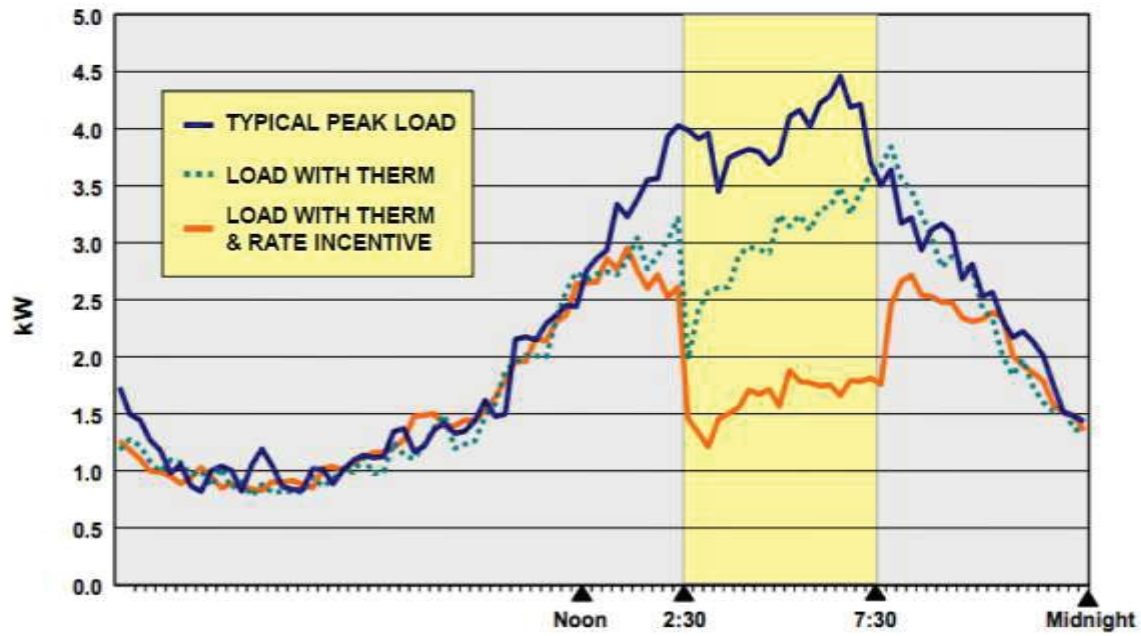
"Dr. John Moulder, Prof. at Medical College of Wisconsin, in Milwaukee, has a lucrative consulting practice on EMFs and health. *Over the years, he's earned hundreds of thousands of dollars disputing the existence of adverse EMF health effects, even those accepted by most other members of the EMF community...."*

http://microwavenews.com/RR.html

www.w4ar.com/smart_meter_wireless_safety_summit_Power_Pointe.pdf

SMART GRID OVERVIEW

DEMAND RESPONSE



Will Lead to <u>Time of Use</u> Billing

SOURCE: Edison Foundation

Smart Meter Frequencies are more dangerous than the Microwave Oven Frequency!

918 MHz energy constitutes a greater health hazard to the human brain than is 2450 MHz energy for a similar incident power density.

http://www.icems.eu/docs/Robert_C_Kane.pdf

Smart Meters vs Cell Phones

- **Fortis BC (like all utilities) says: one can stand next to a Smart Meter for 20 years and receive no more radiation than from a 30 minute cell phone call.**

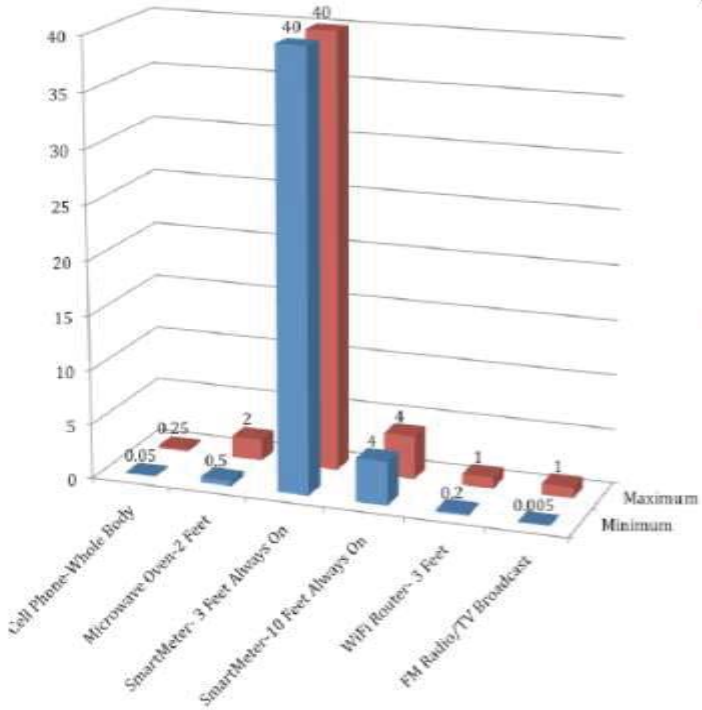
- **Dr. Daniel Hirsch, PhD. U. of C. says: *whole body radiation* from a Smart Meter equates to from 45 to 450 times more than a cell phone - depending on one's distance from the Smart Meter.**

- mapawatt.com/2012/02/12/are-smart-meters-safe/

www.w4ar.com/smart_meter_wireless_safety_summit_Power_Pointe.pdf
Download IO... Australia Que... Free Hotmail Suggested Sit... Web Slice Gal... SONY CAMER...
File Tools Tools Like Ask a Question

SMART METER EXPOSURE LEVELS

California Council on Science and Technology (CCST)



After correcting for duty cycle and dissimilar units….

Cumulative whole body exposure of Smart Meters is two orders of magnitude <u>higher</u> than cell phones.

***SOURCE**: Daniel Hirsch, Comments on the Draft Report by the California Council on Science and Technology "Health Impacts of Radio Frequency from Smart Meters", 31 January 2011*

Smart Meter Radiation Kills Plants

Smart Meters vs Cell Phones

Fortis says: "On average, a meter transmits customer data 4 to 6 times a day, for a total average of one minute per day."

Pacific Gas & Electric admitted in a California Court of Law that meters pulse on average 14,000 times/day to a max of 190,000/day.

www.emfsafetynetwork.org/?page_id=872

Who is telling the truth?

San Diego Gas and Electric Company (SDGE) **responded to an Administrative Judge's enquiry that smart meters installed by SDGE transmit messages on average 1270 times/day and at a maximum 25,920 times/day.**

admin@americanpolicy.orgamericanpolicy.org (540) 341-8911

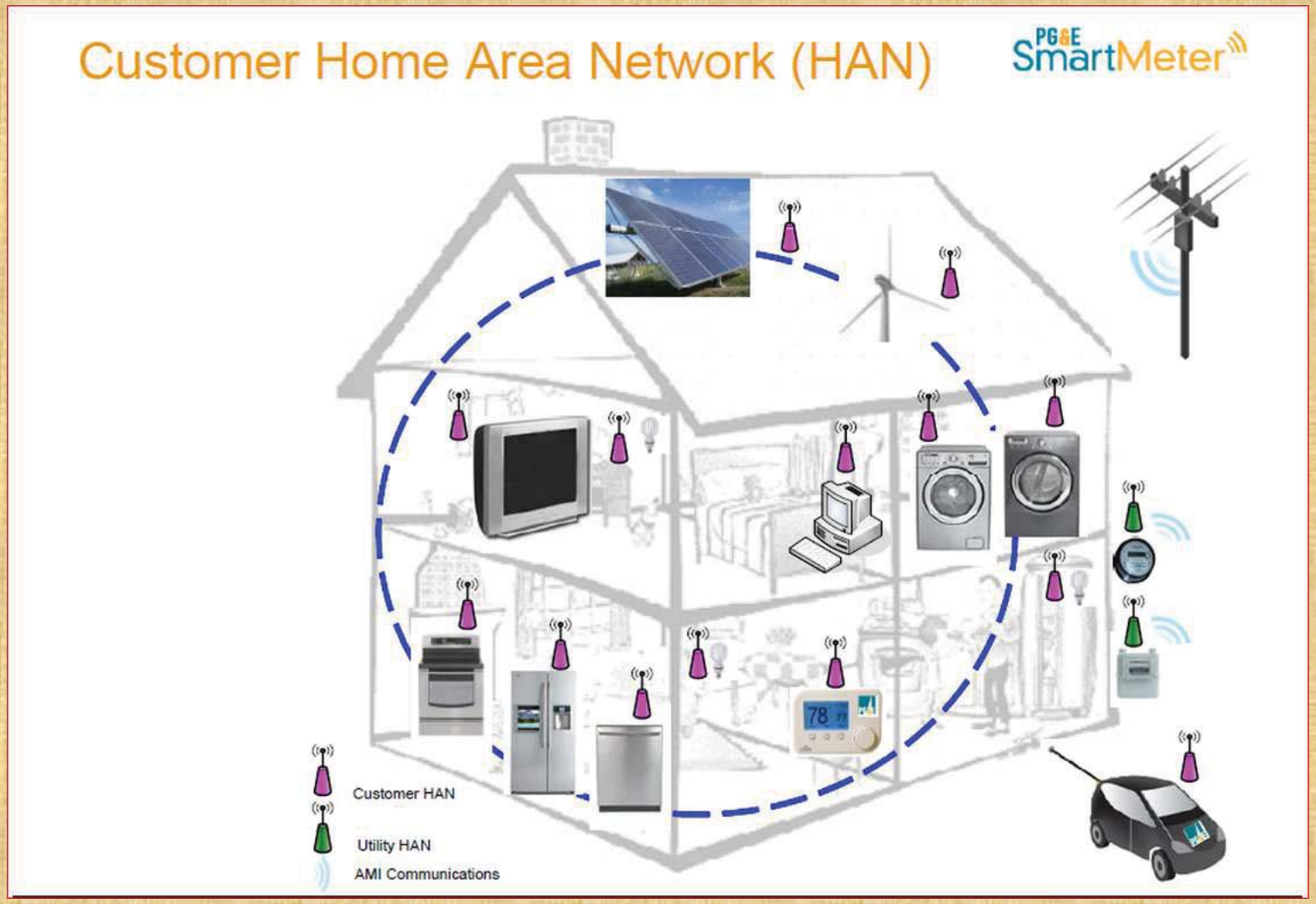
Utility tells the truth

Silver Spring Networks **also admitted Smart Meters are transmitting continuously 24/7. Even though they only upload customer data 6 times/day to PG&E, they are continuously 'chatting' with each other 24/7 every few seconds in order to authenticate and keep the network synchronized.**

http://stopsmartmeters.org/2011/09/15/utility-and-smart-meter-tech-company-executives-get-grilled-by-the-public/

ZIGBEE RADIO – 2.4 GHz controls and talks back and forth to <u>15-or-so</u> pulsing M/W appliances

ZigBee and 'Smart' appliances



http://publicintelligence.net/confidential-pge-smartmeter-presentation/

Where Industry Wants to Take Us – via ZigBee

http://www.appliancedesign.com/articles/93524-smart-grid-connecting-in

$$$

What Utilties Don't Tell You

Each Smart Meter contains two (2) Transmitters:
1) LAN – range 3 Km
2) ZigBee – range 250'

Meshed-grid communities will comprise:
From 500 to 5,000 homes

Each home having 15-or-so "Smart" appliances
Each appliance has its own 2.4 GHz Transmitter

Collector Meter has 3-8 Transmitters:
1) LAN 2) ZigBee 3) WWAN – 850/1900 MHz

How a "Meshed-grid" Works

Community of 500 homes has 500 Smart Meters = 1,000 transmitters (i.e., 500 LAN and 500 "ZigBee") !

15 'smart' appliances per home= 7,500 transceivers – all operating on microwave oven frequency: 2.4 GHz!

All homes will endure many, up to hundreds of relays on every transmission - in BOTH directions!

All 8,500+ Tx/Rx in community emit pulsed M/W radiation – 8,001 on same M/W oven freq. of 2.4 GHz!

Reflected radiation & 'Hot Spots'

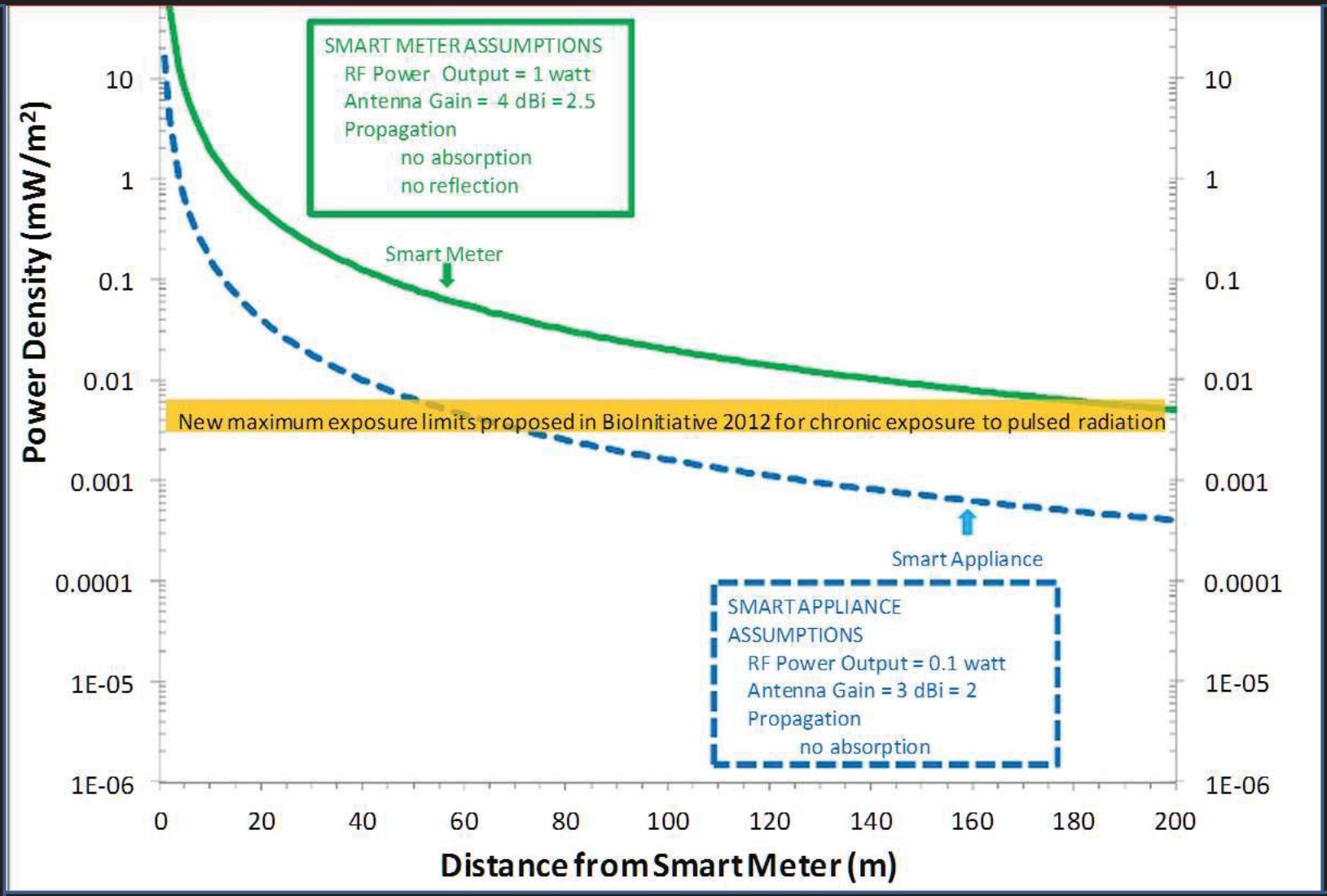
All of the above incalculable amount of EMR is on top of the ambient level of EMR already in your community!

One Smart Meter

Can produce RF exposure levels that caused the biological effects found in either most or many of the 67 studies, depending on the distance from the Smart Meter

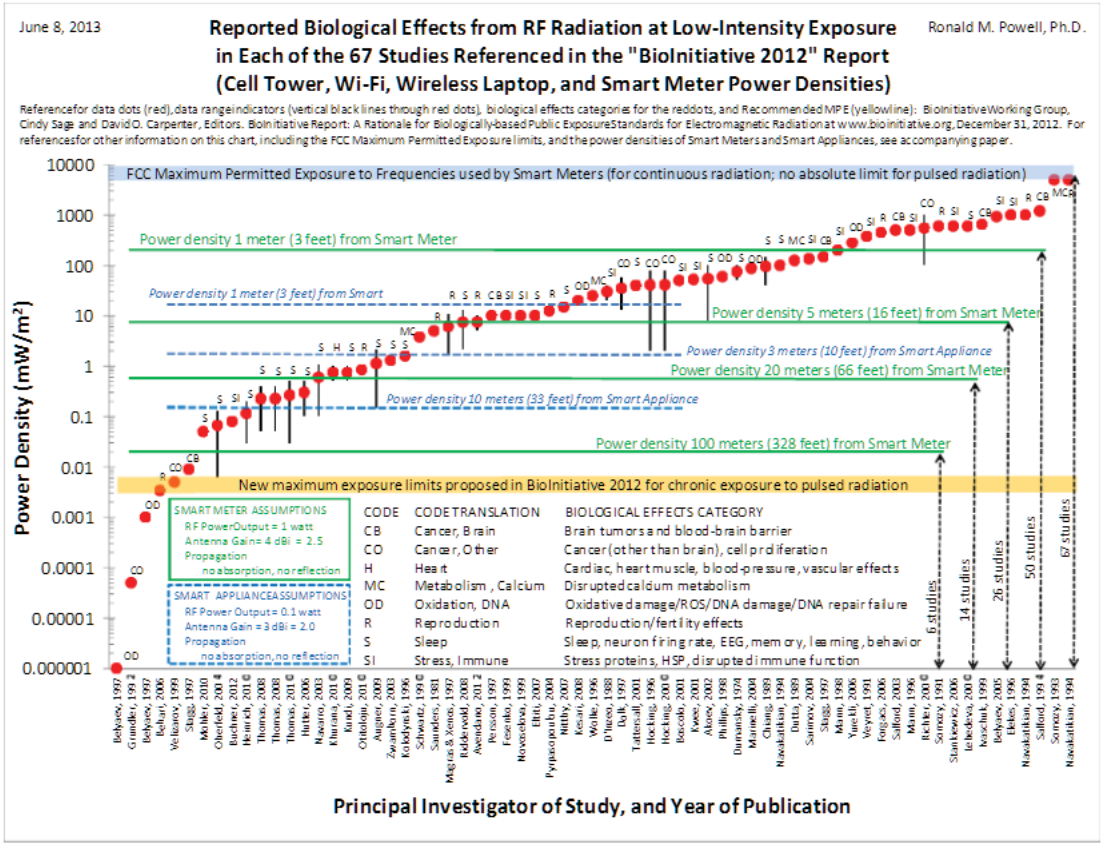
(BioInitiative Report 2012 explained by Ronald M. Powell, Ph.D. App. Physics Harvard U. 1975)

Radiation Distances



The BioInitiative 2012 Report

Biological Effects of Low-Level EMR



WWW.BioInitiativReport-2012 Explained by Ronald M. Powell, Ph.D. (App. Phys. Harvard U. 1975)

“Smart” Appliances

‘Smart’ appliances emit *pulsed* microwave signals at a power density of 100 mW and utilities envisage *15 appliances* in a typical home. None of this 2.4 GHz *radiation* exists in your home now!

http://www.eeherald.com/section/news/nws201206102.html

“Smart” Appliances

A single Smart Appliance in the home can produce RF exposure levels that caused the biological effects found in nearly half or fewer of the 67 studies, depending on the distance from the Smart Appliance. Multiple Smart Appliances in a home multiply the total exposure.

(BioInitiative Report 2012, explained by Ronald M. Powell, Ph.D. App. Physics, Harvard U., 1975)

A Neighbor's Smart Meter

A Smart Meter on a nearest neighbor's home can produce RF levels that caused the biological effects found in many of the 67 studies. A given home may have 1 to 8 nearest neighbors, each with a Smart Meter, multiplying the total exposure in the given home.

(BioInitiative Report 2012, explained by Ronald M. Powell, Ph.D. App. Physics, Harvard U., 1975)

Radiation in Your Home

Smart Meters and Smart Appliances operate in the same frequency ranges as cell phones. Further, Smart Meters have twice the RF power output of the typical cell phone, as shown in the table below, and will be transmitting day and night. Emerging Smart Appliances will likely have about one-fifth the RF power output of the typical cell phone. But a given home may have several Smart Appliances; and they, too, will be transmitting day and night.

Device	RF Power Output				
Smart Meter[42]	1.115	watts	which is	1115	milliwatts
Typical leakage from a microwave oven[43]	1	watt	which is	1000	milliwatts
Typical cell phone[43]	0.5	watt	which is	500	milliwatts
Wireless LAN (802.11a)[43]	0.251	watt	which is	251	milliwatts
Wireless LAN (802.11n)[43]	0.250	watt	which is	250	milliwatts
Cordless phone[44]	0.230	watt	which is	230	milliwatts
Smart Appliance[45]	0.100	watt	which is	100	milliwatts
Wireless LAN (802.11 b, g)[43]	0.100	watt	which is	100	milliwatts
Typical laptop wireless LAN (Wi-Fi)[43]	0.032	watt	which is	32	milliwatts

A Final Note

The Smart Meter is the first source of RF exposure that is mandated for installation in every home in an entire region without the informed consent, or any consent, of the residents, and that is not under the control of the residents.

(BioInitiative Report 2012, explained by Ronald M. Powell, Ph.D. App. Physics, Harvard U., 1975)

FORTIS BC Says:

Smart Meters will help keep rates lower … save customers >$19 million (less electricity theft) and lower meter reading costs.

FACTS:

CBC Survey of Toronto – >80% higher bills!

- **Many report monthly bills doubling, tripling & even quadrupling!**
- **Analogue meters cost $50 & last 30-50 yrs**
- **Smart Meters cost <$500 & last <8 to 12 yrs**
- **Smart Meters have caused countless fires**

Home Invasion – Security

CRIMINALS no longer need to stake out a home or a business to monitor the inhabitants' comings and goings. Now they can simply pick up wireless signals broadcast by the building's utility meters.

“http://www.newscientist.com/article/mg21628875.300-wireless-meters-tell-snoopers-when-you-are-not-home.html

2012 – Home Insurance ?

Better Check

Will Smart Meters invalidate your homeowners insurance?

They are neither UL (Underwriters Laboratory) tested nor CSA (Canadian Standards Association) approved.

http://beforeitsnews.com/energy/2012/03/smart-meters-can-invalidate-your-homeowners-insurance-1839410.html

2012 – AAEM (60,000 pediatricians) <u>oppose Smart Meters</u>

The American Academy of Environmental Medicine opposes wireless "smart meters" in homes and schools. Chronic exposure to EMR is a preventable environmental hazard that is sufficiently well documented to warrant immediate preventative public health action.

http://wifiinschools.org.uk/resources/safeschools2012.pdf

2012 - Smart Meters Unethical Experiment

Dr. Eilhu Richter, M.D., an associate professor at Hebrew University-Hadassah, has said, *"Were these population-wide exposures to smart meters to be a part of a project carried out in a medical setting, to test the risks and benefits of a new technology on human health and well-being, it would be rejected … as an unethical exercise in human experimentation."*

http://www.wnd.com/2012/12/health-hazards-linked-to-utility-meters/

May 10, 2013 – UK delays Smart Meters

The UK Government announced that the 'smart' meter installations throughout the country will be delayed by more than a year to investigate "risks."

http://takebackyourpower.net/british-mps-told-of-smart-meter-risks-uk-rollout-delayed-by-year/

Opposition to Smart Meters

British Columbia – 60 municipalities plus the Union of BC Municipalities (UBCM) want a moratorium.

BC's Utilities Commission (BCUC) approved Fortis BC smart Meters - with what is feared will be extortionistic Opt Out fees (07/23/2013)

Osoyoos Indian Band refuses to allow them on their land (Press Release June 2013)

Quebec – allows Opt Out (at a cost)

Opposition to Smart Meters in USA

The following states have either banned smart meters, have pending legislation against them, or have offered customers the opportunity to opt out. Some for health concerns, others over privacy issues: California, Connecticut, Florida, Georgia, Hawaii, Louisiana, Maine, Maryland, Michigan, Nevada, Oregon, Pennsylvania, Texas and Vermont.

http://kfor.com/2013/07/23/customers-says-oge-smart-meters-making-them-sick/

2013 - NO "Wireless" Smart Meters in China

China's larger state-run utility has begun testing smart-grid technology using fiber optic cable that can be run inside electric power cables without interference that could eventually be deployed nationwide to deliver electricity, high-speed Internet, TV, and telephony to the farthest reaches of the country.

http://www.technologyreview.com/news/510171/china-tests-a-small-smart-electric-grid/

National Security

No communications technology is more vulnerable or more defenseless than is a wireless radio system (Jerry Flynn)

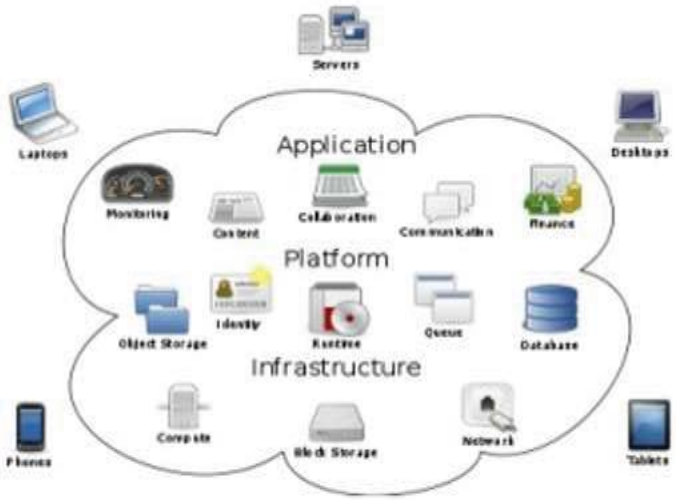
Enemies:
Solar storms, solar flares & severe lightning storms; ECM and/or signal jamming by malcontents, organized criminals, terrorists, hostile nations, electronic warfare weapons, e.g., HAARP and EMPs, cyber attacks, etc. (Jerry Flynn)

2012 - Cloud Technology *Insane* – National Security

Silver Spring Launches Cloud Service to Share Smart Grid Data

The latest smart grid cloud brings Silver Spring's smart grid data to more people in the utility besides "power users."

JEFF ST. JOHN: AUGUST 1, 2012



https://www.greentechmedia.com/articles/read/silver-spring-launches-cloud-service-to-share-smart-grid-data/

SOLAR STORMS: NASA WARNING

NASA Warns of coming "Super Solar Storms – could wipe out entire U.S. power grid and end Life as we know it. Transformers will short circuit and burn out; satellites will be destroyed. This could be worse than the 1859 humungous storm. Will set country back for months to years"

http://www.youtube.com/watch?v=WeAocYXKjOI

CyberSecurity
2012

Telvent (Spain), maker of industrial control systems for smart grid networks admitted last week hackers had breached its network and accessed project files related to a control system used in portions of the electrical grid. Owned by Schneider Electric (France), Telvent told customers attackers installed malicious software on its network and accessed project files for its OASyS SCADA system, according to KrebsOnSecurity, which first reported the breach.

http://www.wired.com/threatlevel/2012/09/scada-vendor-telvent-hacked/

CyberSecurity–Calgary

(09/28/2012)

CBC News confirmed a recent cyber-attack successfully breached a Calgary-based supplier of control systems for electrical power grids, municipal water systems, public transit operations, and most of Canada's major oil and gas pipelines. (Kacper Pempel/Reuters)

http://www.cbc.ca/news/technology/story/2012/09/28/cyber-attacks-canada-infrastructure.html

U.S. Defense Secretary Leon Panetta (Oct. 12, 2012)

"An aggressor nation or extremist group could gain control of critical switches and derail passenger trains, or trains loaded with lethal chemicals. They could contaminate the water supply in major cities, or shut down the power grid across large parts of the country.," he said.

http://www.washingtonguardian.com/panettas-cyber-stunner

Former U.S. C.I.A. Director James Woolsley (Oct 13, 2012)

"The utilities don't want to talk about this but 17 of our (USA's) 18 national critical infrastructure sectors depend on electricity, including our power grid and all but one of our military bases. If the grid goes down – we don't even want to think about it. We're so vulnerable to cyberattack and any number of other threats."

http://www.wtop.com/41/2935749/Ex-CIA-director-Recent-outages-a-taste-of-nationwide-threat

Cyberattack #1 threat to U.S. March 13, 2013

The Director of National Intelligence (top intelligence official in U.S.) warns Congress that, for the first time ever, a cyber-attack could cripple America's infrastructure and economy.

Globe and Mail, March 13, 2013

2013 - Pentagon's own 'Cyberattack' Teams to Strike Across the World

March 13, 2013. Cyber Command chief General Keith Alexander revealed in a Senate hearing the creation of 13 "cyberattack" teams, which he dubbed part of the "cyber cadre," that are authorized to engage in preemptive cyberwarfare across the planet. (by Jason Ditz)

http://lib.store.yahoo.net/lib/realityzone/UFNpentagon13cyberWarTeams.html

National Security

EW Weapon– USA "CHAMP"

High Powered Advanced Missile Counter Electronics Weapon, can knock out a country's entire electric grid!

Non-Lethal: No harm to people or structures.

Boeing – US Air Force – Raytheon

www.boeing/com/Features/2012/10/bds_champ_10-22-12.html

EW Weapon – USA

“HARM”’’

The anti-radiation missile is a smokeless, rocket-propelled missile that destroys radar-equipped defense systems

The AGM-88 HARM (High-speed anti-radiation missile) is used throughout the Air Force for suppressing surface-to-air radar warning systems.

Raytheon

Anti-radiation missiles help neutralize hostile airspaces and take out the enemy's ability to defend itself in advance.

The Air Force said,
"Coalition forces in Operation Desert Storm operated 'at will' over Iraq and Kuwait after gaining control of the EM spectrum early in the war."

Boeing has test-flown a nonlethal missile that fries electronics while minimizing collateral damage (like civilian deaths). You can read about CHAMP here.

www.ausairpower.net/API-AGM-88-HARM.html

Electronic Warfare – USA

"Heat Ray"

America's Scariest Electronic Weapons

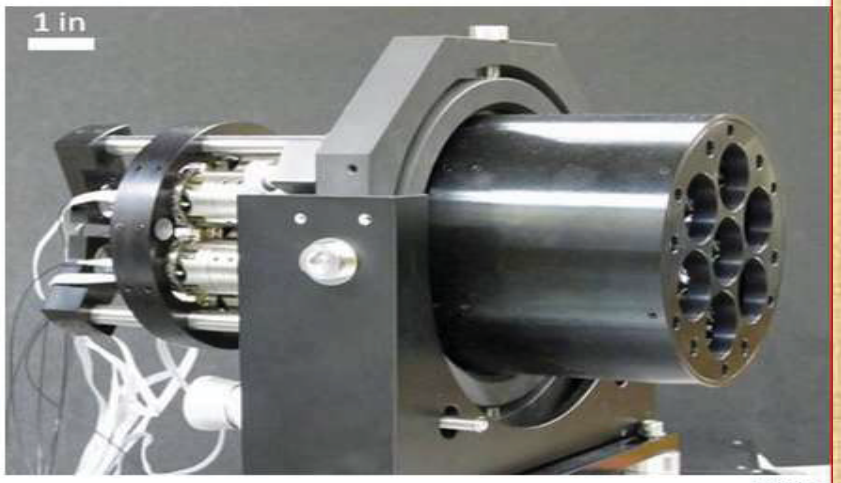
Robert Johnson and Geoffrey Ingersoll | Sep. 14, 2012, 9:04 PM | 292,603 | 35

Recommend 574 Share 39 Tweet 113 +1 13 Email More

Controlling the electromagnetic (EM) spectrum is a major asset in military operations.

The Marines recently demonstrated their painful "heat ray," a weapon that blasts intruders with a wave beam that targets skin and makes victims feel like they've stepped in front of a blazing oven, but without killing them.

See the gear >



DARPA

It doesn't cause irreversible damage, but will make someone instinctively back off.

Modern weapons systems employ radio, radar, infrared, optical, ultraviolet, electro-optical, and laser technologies.

www.businessinsider.com/electronic-warfare-weapons-2012...

Electronic Warfare – USA

"Heat Ray"

The Marine Corps "Heat Ray" raises the temperature of skin by 130 degrees

But it won't kill you. The Active Denial System (ADS) creates an intense heated sensation lasting 1-2 seconds and is caused by a radio frequency wave, not radiation or microwave.

Sgt. Maj. of the USMC Micheal P. Barrett ran for it after feeling the ADS.
Marines/Daniel Wetzel

"You're not going to see it, you're not going to hear it, you're not going to smell it. You're going to feel it," said director of the Joint Non-Lethal Weapons Directorate, Marine Col. Tracy Tafolla.

The 95 GHz millimeter wave has a range of up to 1000 meters, or 7 football fields. The directed-energy beam only penetrates 1/64th of an inch into the skin.

As a nonlethal weapon, it can be used for crowd control or determining hostile intent before engaging with lethal weapons. ADS can buy life-saving time.

www.businessinsider.com/electronic-warfare-weapons-2012...

NORTH KOREA's last round of tests, conducted in May 2009, appear to have included a "super-EMP" weapon, capable of emitting enough gamma rays to disable the electric power grid across most of the lower 48 states.

http://www.viewzone.com/emp.html

CHINA

Electronic Warfare & Cyber Warfare

The PLA (Peoples' Liberation Army) has developed a doctrine of *"Integrated Network Electronic Warfare," similar to the Soviet concept of Radio Electronic Combat, with the goal of degrading the enemy through EW, cyber, and space warfare* *before a shot is fired*. The Chinese hacking threat is so common that the security industry has a new euphemism for the country, an "Advanced Persistent Threat."

http://www.iwp.edu/news_publications/detail/colonel-larry-wortzel-discusses-military-strategy-and-china-today

CONCLUSION

Scientific evidence leaves no doubt that EMR poses the biggest single threat to humans and all other life forms in Canada's entire history and, in the case of Smart Meters, to our personal privacy and safety, and to our country's National Security! Governments must be made to divorce themselves from industry and instead protect the public. But this will not happen unless YOU STAND UP and SPEAK OUT!

Reference Web Sites

http://lifeenergies.com/he-emr/
Google: "Resonance – Beings of Frequency"
Google: "Dietrich Klinghardt"
www.citizensforsafetechnology.org
www.stopsmartmeters.bc.ca
www.rense.com/general71/repe.htm
www.magdahavas.org
Google: "Dr. David O.Carpenter"
Google: "Dr. Andrew Michrowski"
Google: "Microwave Warfare - Barrie Trower"
www.microwavenews.com
www.sageassociates.net
Google: Dr. Devra Davis, Ph.D.