

# HEADS IN THE SAND, PIES IN THE SKY

Health Canada denies the proven dangers of microwave radiation\*



*\*from WiFi, cell phones, cordless phones, smart meters etc*

**A REALITY CHECK BY OLGA SHEEAN**

7 November 2016

# A SNAPSHOT OF THE *REAL* SCIENCE ON WIRELESS RADIATION

**We know that you know we are being harmed by wireless radiation.  
We know that you know that we know.**

Nonetheless, for the record, so that you cannot claim ignorance of the facts, here is yet more evidence of the proven harm from EMR, with additional data contained in the attached 25-page report that I submitted to provincial and federal government, ministers and MPs in June 2016 and to which I have not received a single response or even an acknowledgement:

1. In 2015, **190 scientists from 39 nations** appealed to the United Nations to urgently address the widespread harm being caused by EMFs proven to **“affect living organisms at levels well below most international and national guidelines”**, resulting in “increased cancer risk, cellular stress, increase in harmful free radicals, genetic damages, structural and functional changes of the reproductive system, learning and memory deficits, neurological disorders, and negative impacts on general well-being in humans.”<sup>4</sup>
2. Numerous scientific studies confirm that significant bio-effects occur at levels of non-thermal radiation that governments and industry tell us are safe because the radiation is too weak to cause significant heating. This is the *only* criterion used to assess safety. But, as Dr Andrew Goldsworthy explains, the **direct electrical effect on our cells, organs and tissues does far more damage at to us at levels that may be hundreds or thousands of times lower than those that cause significant heating.**<sup>5</sup> Yet we are not protected from these harmful non-thermal effects.
3. The 2012 *Bioinitiative Report* (compiled by 29 independent scientists, doctors and health experts from around the world), reports the bio-effects and adverse health effects of EMR and wireless technologies, confirming their **deleterious impact on countless aspects of our physiology.**<sup>6</sup>
4. A \$25m study, funded by the US government and carried out by the National Toxicology Program (NTP), reported that brain tumours (**gliomas**) and **malignant Schwann cell tumours of the heart can and do result from RF/microwave exposure.**<sup>7</sup> These are the same cancers that were found in people in Dr Lennart Hardell’s epidemiological studies.
5. World-renowned medical doctors, physicists, biologists and other experts (such as Dr Erica Mallery-Blythe, Dr Dietrich Klinghardt, Prof. Trevor Marshall, Dr Martin Pall, Dr Neil Cherry, Dr Magda Havas, Dr Joel Moskowitz, Dr Zory Glaser, Dr Martin Blank, Dr Devra Davis<sup>8</sup>, Dr Dominique Belpomme, Dr Olle Johansson, Dr Ronald Powell, Dr Robert Becker, Dr Anthony Miller<sup>9</sup> et al) have **confirmed the adverse bio-effects of EMR** and (in most cases) the very real physical nature of electromagnetic hypersensitivity (EHS).

---

4 <https://www.emfscientist.org/>

5 [http://www.bibliotecapleyades.net/scalar\\_tech/esp\\_scalartech\\_cellphonesmicrowave44.htm](http://www.bibliotecapleyades.net/scalar_tech/esp_scalartech_cellphonesmicrowave44.htm)  
& <http://bit.ly/2eyNfNL>

6 [www.bioinitiative.org](http://www.bioinitiative.org)

7 <http://ehtrust.org/cell-phone-radiofrequency-radiation-study/>, <http://goo.gl/eN6hKo>

8 <http://ehtrust.org/?s=EMR>

9 <https://youtu.be/wARxnaxrRkK>

6. Based on current trends and data from Austria, Germany, the UK, Ireland, Sweden, Switzerland and the US, as reported in 2006 by Hallberg and Oberfeld in *Electromagnetic Biology and Medicine*, **50% of the population is expected to become electro-sensitive by the year 2017.**<sup>10</sup>
7. Marg Friesen, MSc, a retired federal government biologist and an expert in conducting literature searches, has documented **50 peer-reviewed studies showing harm from WiFi frequencies at or below Health Canada's guidelines** for safe human exposure. This is the same frequency used in our schools and to which students—and teachers—are being exposed throughout the day, the whole school year long.<sup>11</sup>
8. Canadians for Safe Technology has identified 63 scientific studies—*published between 2015 and mid-2016 alone*—reporting the **bio-effects of RF/microwave radiation at or below Safety Code 6 (2015) limits**: biochemical and DNA damage, cognitive impairment, depression, insomnia, kidney damage, electro-sensitivity, oxidative stress, damage to developing brain and organs, as well as damage to nerves, immune function, glands, sperm and offspring.<sup>12</sup> The NTP study also documented DNA damage in brain tissue.
9. In 2011, **WHO categorized RF/microwave radiation as a Class 2B possible carcinogen**<sup>13</sup>—and it would have gone even further had it had the NTP study results. It will soon be forced to further revise its position, as many scientists/doctors are urgently calling for this classification to be changed to a Class 2A—*probable* carcinogen. Dr Hardell, among others, is calling for a Class 1 *known* carcinogen designation.
10. Dr Michael Repacholi, who headed the WHO EMF Project until 2006, has been **found to favour the wireless industry at the expense of public health.**<sup>14</sup> He was also a co-author of the first Safety Code 6 (1979) and former chair of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).
11. The ICNIRP produces guidelines developed by a self-selected group of industry insiders, which have been criticized as non-protective. Dr Joel Moskowitz, University of California, Berkeley, says: “ICNIRP guidelines set exposure standards for high-intensity, short-term, tissue-heating thresholds. **These do not protect us from the low-intensity, chronic exposures common today.**”
12. It is utterly indefensible to claim that RF/microwave radiation is harmless since we've known for decades that it is harmful. **Microwave radar technology was developed during World War II, and RF/microwave radiation has been used as a military weapon since the 1950s.**<sup>15</sup>
13. Barrie Trower, a British physicist who specialized in microwave warfare for the Royal Navy and the British Secret Service in the 1960s, recounts how the British Government irradiated certain Catholic populations in Northern Ireland to reduce their ability to fight back.<sup>16</sup>

---

10 [http://www.next-up.org/pdf/EHS2006\\_HallbergOberfeld.pdf](http://www.next-up.org/pdf/EHS2006_HallbergOberfeld.pdf)

11 <http://c4st.org/wi-fi-in-canadian-schools-a-health-and-safety-issue/>

12 <http://bit.ly/2esjKsr>

13 [http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208\\_E.pdf](http://www.iarc.fr/en/media-centre/pr/2011/pdfs/pr208_E.pdf)

14 <http://microwavenews.com/CT.html>

15 <http://adst.org/2013/09/microwaving-embassy-moscow-another-perspective/>

16 [https://www.youtube.com/watch?v=z99\\_SzoXZdY](https://www.youtube.com/watch?v=z99_SzoXZdY)

14. The **wireless telecommunications industry** knows full well the serious harm it is causing, and **has itself filed patents documenting the adverse biological effects of its own technology.**<sup>17</sup>
15. Just like the cigarette industry, the wireless telecommunications industry has invested millions of dollars in studies designed to **purposely and intentionally create doubt and confusion** among the public, including ‘war gaming’ the scientific evidence.<sup>18,19</sup>
16. Industry/government **misinformation, lies and deliberately misleading claims** about RF/cell phone radiation being ‘safe’ have been **soundly debunked and exposed** by independent scientists as the public relations delaying tactics and confusion-creating ploys that they are.<sup>20</sup>
17. Any claims of ‘no direct causal link’ between EMR and bio-effects are usually industry-funded. If any link is found, the findings are subsequently distorted, shown to contain errors or bias and/or to be lacking in the appropriate scientific approach, and suppressed or buried by the industry.<sup>21</sup>
18. The dramatic changes that have occurred in the electromagnetic profile of the planet are resulting in **“genetic mutation, biological dysfunction and disease”.**<sup>22</sup>
19. Dr Ronald Powell, retired US-government physicist and Harvard scientist, documents the biomedical evidence confirming the many adverse health effects of wireless technologies.<sup>23</sup>
20. Electromagnetic hypersensitivity (EHS) is recognized as a disability by the Canadian Human Rights Commission, by Sweden (which recognizes EHS as a functional disability) and by many other countries. **EHS, by definition, confirms that EMR has a physical effect on humans.**
21. Like countless others affected by EMR, I use an RF meter to detect and locate the sources of RF/microwave radiation in our environment, and the **levels are FAR higher than could ever be considered healthy for any human being.** In fact, given the adverse effect on human cells from even tiny amounts of radiation, **there can be NO safe level of exposure for humans.**
22. Dr Ted Litovitz, a prominent bio-electromagnetics research scientist, has shown that there can be biological effects at levels that are 76,000 times lower than the standards set by government agencies. “With EMFs, information is sent to the cell, causing it to do things it wouldn’t normally do. You don’t have to heat it, just stimulate it with an electromagnetic field. DNA strands break when exposed to EMF radiation.”<sup>24</sup>
23. In 2003, when I was working for **WHO in Geneva, the Director General Dr Gro Harlem Brundtland, MD, MPH, resigned after developing electromagnetic hypersensitivity (EHS),** saying cell phone radiation was making her ill and stating that “research shows deleterious effects” due to cell phones and other wireless devices.

---

17 <http://bit.ly/1OQbG4V>

18 *ibid*

19 <https://www.rfsafe.com/wp-content/uploads/2014/06/cell-phone-radiation-war-gaming-memo.pdf>

20 <http://ehtrust.org/science/science-skeptics-myth-versus-fact-cell-phones-wi-fi/>

21 *Overpowered—what science tells us about the dangers of cell phone and other Wi-Fi-age devices*, pp107–153

22 *ibid*, p241

23 <https://www.scribd.com/user/300269936/Ronald-M-Powell-Ph-D>

24 <https://www.youtube.com/watch?v=6lAFbQqyVio>: see minute 3.40 and minute 9 of video

As a physician who has specialized in the area of environmental health for over 20 years, **I am mortified at the lack of accountability regarding radio and microwave radiation use in the everyday lives of Canadians** [and] I am appalled by the poor, impractical and unrealistic research done in this area and the lack of proper, relevant investigations.<sup>25</sup>

—Dr Riina Bray, MD, BAsC, MSc, FCFP, MHSc

Regardless of the vast body of scientific evidence, it all boils down to two simple issues:

1. **Your denial of the facts constitutes reckless endangerment, criminal negligence, and an egregious dereliction of your duty to protect the health and safety of Canadians.** The fact that millions are being harmed won't change just because you deny this reality, and siding with industry while dodging responsibility for the harm you're knowingly causing further compounds your guilt.
2. Given the invisible, pervasive, uncontainable, unquantifiable, ever-changing, escalating and highly penetrative nature of RF/microwave radiation, emitted concurrently from an unknowable number and potency of wireless devices, **it is physically and logistically impossible to assess, monitor, measure or limit it or to protect people from it.** The supposedly safe levels given in SC6 are therefore totally irrelevant and unenforceable. **They cannot—and, in reality, do not—provide protection for anyone.**

**“To carry out compulsory mass exposure to pulsed microwave radiation, without the fully informed consent of the people affected, is in contravention of the Nuremberg Code.”**

—Dr Andrew Goldsworthy

---

<sup>25</sup> <http://bit.ly/2ezcP3v>