



# EMR Aware

## **Electromagnetic Radiation - Concerns and Informed Choices**

[View Latest Newsletter](#)

[Our Newsletters](#) | [Scientific Evidence](#) | [Reducing EMR](#) |  
[Measuring EMR](#) | [Networking and Support](#)

---

## **Newsletter February- March 2017**

This free newsletter is published by EMR Aware, a citizens' group based in Northern NSW Australia. It contains information on the health, environmental, and social impacts of modern electro-technologies. This is offered in the public interest to encourage a fair and balanced discussion of the topics at hand. Particular attention is paid to material that may not be made widely available by industry and their

Government regulators.

We invite readers to consider the scientific evidence and trending opinion throughout this and prior newsletters. There seems little doubt a tobacco-style cover-up of the adverse effects of EMR is underway by those reliant upon its profitability or surveillance potential. You can help redress this situation by forwarding a link to this web page to as many interested persons, organisations, and social media sites as possible.

Over time, web content may disappear or move. If you encounter a broken link, try a search using the article's title, or access similar content via the hosting website's home page. Anyone wishing to be notified when new editions of our newsletter become available may do so by sending an [email](#) with the word "subscribe" in the subject line.

## **Mobile and Cordless Phones**





Wireless Phone Radiation Risks and Public Health. <https://drive.google.com/file/d/0B14R6QNkmaXuZDNfaUc2cmRIVk0/view>

13 Investigates Cellphones and Cancer: Is the Risk Real? <http://www.wthr.com/article/13-investigates-cellphones-and-cancer-is-the-risk-real>

Jimmy Gonzalez: "Cell Phones Cause Cancer". <https://www.youtube.com/watch?v=DIIOVJd0IA8>



Correlation Between Cellular Phone Use and Epithelial Parotid Gland Malignancies. [http://www.ijoms.com/article/S0901-5027\(11\)00117-2/abstract](http://www.ijoms.com/article/S0901-5027(11)00117-2/abstract)

"Heavy users have rates of malignant parotid gland tumors that are seven to 13 times higher than might otherwise be expected." Chinese Put

Cancer of the Parotid Gland Center Stage.  
<http://microwavenews.com/Duan.Zhang.html>

Cellular Phone Use and Risk of Benign and Malignant Parotid Gland Tumors - A Nationwide Case-Control Study. <https://academic.oup.com/aje/article/167/4/457/233171/Cellular-Phone-Use-and-Risk-of-Benign-and>

Does Cell Phone Use Increase the Chances of Parotid Gland Tumor Development? A Systematic Review and Meta-analysis. <http://onlinelibrary.wiley.com/doi/10.1111/jop.12531/full>



Survey of phone usage patterns. Mobile Technology Fact Sheet. <http://www.pewinternet.org/fact-sheets/mobile-technology-fact-sheet/>

Half of British Families Text Each Other When They Are in the Same House. <https://www.msn.com/en-ca/video/watch/half-of-families-text-each-other-when-in-the-same->

[house-study/vp-AAAn4874](#)

The Latest Reassurance Ruse About Cell Phones and Cancer. <http://www.canceractive.com/cancer-active-page-link.aspx?n=1541>

How Susceptible Are Genes to Mobile Phone Radiation? [http://competence-initiative.net/KIT/wp-content/uploads/2014/09/ki\\_howsusceptiblearegenes\\_screen.pdf](http://competence-initiative.net/KIT/wp-content/uploads/2014/09/ki_howsusceptiblearegenes_screen.pdf)

Cellular Deception. <https://www.youtube.com/watch?v=bMJ9x61f8cc&feature=youtu.be>

Demise of the Universal Service Obligation in Australia. Telstra's Obligation to provide Landlines May Be Given the Flick. <https://stopsmartmeters.com.au/2017/01/27/telstras-obligation-to-provide-landlines-may-be-given-the-flick/>

Top Cell Phone and Wireless Radiation Stories of 2016. <http://www.saferemr.com/2017/01/top-cell-phone-and-wireless-radiation.html>

## **5G and Millimeter Waves**

8 Ways 5G and the Internet of Everything Will Impact Our Lives. <http://whatis5g.info/>

Industry video. Everything You Need to Know About 5G. <http://spectrum.ieee.org/video/telecom/wireless/everything-you-need-to-know->

about-5g



*Aided by industry friendly government regulators, 5G "small cell" antenna are to be deployed inconspicuously throughout our environment.*

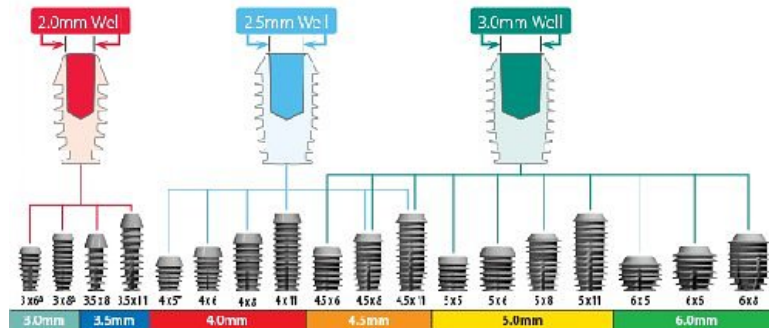
Micro-cell Transmitters on Utility Poles Concern Langford Residents. [http://emrabc.ca/?page\\_id=8814](http://emrabc.ca/?page_id=8814), <http://www.goldstreamgazette.com/news/405052116.html>

Evasion of ordinances that require permits for small cells. Defeat NIMBY's with pCells - Wireless Antenna Disguised as a Wire. <https://www.wired.com/2017/01/wireless-antenna-disguised-wire/>

Multiple Array (eNode) Is BC a 5G Testing Lab? <https://www.youtube.com/watch?v=AV3Gs1XrIXE>

Be careful What You Wish for - 5G and the

Hilltowns. <http://mieuxprevenir.blogspot.com.au/2017/02/be-careful-what-you-wish-for-5g-and.html#more>

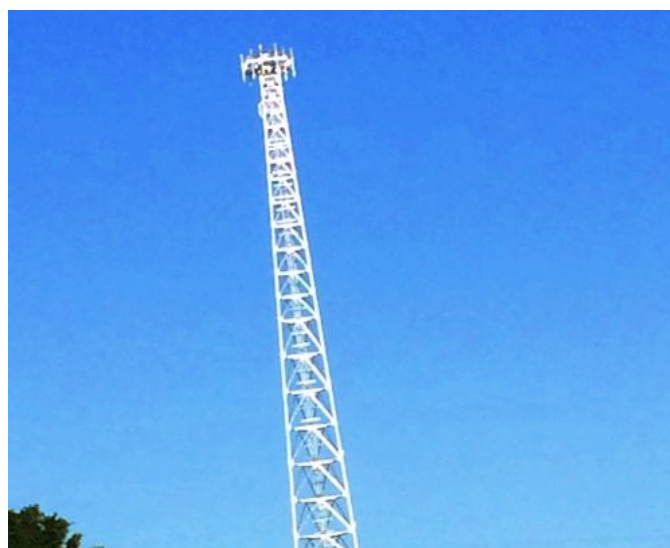


*Smile, you're an antenna. The standard length of Titanium dental implants ranges from 3 to 11mm, almost identical in wavelength to the spectrum allocations for 5G.*

## **Microwave Towers**

**Phone, National Broadband,  
Emergency Networks, Radio, TV**

**NBN Tower - Coorabell NSW**





NBN is proceeding with construction of a 50 metre tall wireless internet tower at Coorabell NSW, in spite of the view of local Councillors and the Environmental Defenders Office that a Development Application should have been lodged. Additional to this, NBN claims that because they are not a "mobile phone service provider" they are not obliged to comply with a range of industry codes intended to give the community more say in the siting of towers.

NBN Towers are "National Embarrassment" Says North Coast Mayor. <http://www.northernstar.com.au/news/nbn-towers-a-national-embarrassment-says-north-coa/3125869/>

Council Weighs in Against NBN's Coorabell Tower. <https://www.echo.net.au/2016/12/council-weighs-nbns-coorabell-tower/>

Dumping the dinosaur. NBN Tax Paves Way for Privatisation. <https://www.crikey.com.au/2016/12/13/nbn-tax-paves-way-privatisation/>

## **Telstra Antenna - Main Arm NSW**







*Main Arm residents protesting against installation of Telstra antenna.*

Telstra is proposing to install at near ground level a 4G omnidirectional antenna upon their exchange in Main Arm Village. It is less than a few tens of metres from homes, shops and a children's day care centre. For further information contact:

[antonvanderbyl@gmail.com](mailto:antonvanderbyl@gmail.com)

To learn more about the telco's tactics, search the internet for "residents oppose phone (or NBN) tower". Here is a typical example.

Charlestown Residents Fighting Proposed Optus Mobile Phone Tower Next to Homes. <http://www.theherald.com.au/story/4133931/optus-tower-ignites-fury/>

Warning Against Adverse Health Effects From the Operation of Digital Broadcast Television Stations (DVB). <http://www.stayonthetruth.com/warning-against-adverse-health-effects-digital-tv.php>

Warning from Swedish Policeman About the TETRA System Called "Rakel" (translate online from Swedish). <http://www.stralskyddsstiftelsen.se/2014/10/till-minne-av-roger-carlstrom/>



One of many mobile phone antennae designed to inconspicuously fit into a street manhole. Introducing Kathrein Street Connect. <https://www.youtube.com/watch?v=xqlAFHHyYME>

Cell Tower Fires and Collapsing Towers. <http://www.electronicsilentspring.com/primers/cell-towers-cell-phones/cell-tower-fires-collapsing/>

Finally, Rules to Govern Mobile Tower Radiation. <http://www.thehindu.com/news/cities/mumbai/finally-rules-to-govern-mobile-tower-radiation/article9242811.ece>

## **Wi-Fi, Bluetooth**

## **Home, Business, Hotspots**

Dangers of Wi-Fi Episode 1: Discovering the Dangers. <https://www.youtube.com/watch?v=ywZS4vbl9fg&list=PLMAz9ZRXjYmpbGE51zvScTaphFPybdGl2&t=12s&index=1>

Five part video series. Dangers of Wi-Fi. <https://www.youtube.com/watch?v=ywZS4vbl9fg&list=PLMAz9ZRXjYmpbGE51zvScTaphFPybdGl2&index=1>

Wi-Fi Health Warning. <http://www.totnes-today.co.uk/article.cfm?id=104316&headline=WiFi+health+warning&sectionIs=news&searchyear=2016>

The Dangers of Wi-Fi and Towers. <http://www.emfacts.com/2016/12/excellent-series-the-dangers-of-wi-fi-and-towers/>

Next generation Bluetooth will expose users to higher levels of radiation. 5 Things You Must Know About Bluetooth 5. <http://electronicdesign.com/blog/5-things-you-must-know-about-new-bluetooth-5>

Soon to appear everywhere. "You are always charging". Wirelessly Charge Your Phone from 30 Feet Away. <https://futurism.com/videos/wirelessly-charge-your-phone-from-30-feet-away/>

**Li-Fi - Safer, Faster**



Dubai To Roll Out High Speed Li-Fi This Year Where Internet Will Flow Through City's Streetlights. <http://www.indiatimes.com/news/world/dubai-to-roll-out-high-speed-li-fi-this-year-where-internet-will-flow-through-city-s-streetlights-254055.html>

Li-Fi: 100 Times Faster Than Wi-Fi. <http://www.bbc.com/news/technology-34942685>

## **Children and Schools**

Influence of Radiofrequency Telecommunications Systems on Childrens' Brains. <https://www.gezondheidsraad.nl/sites/default/files/201120E.pdf>

Malignant Brain Tumors Most Common Cause of Cancer Deaths in Adolescents and Young Adults. [https://www.eurekalert.org/pub\\_releases/2016-02/abta-mbt022216.php](https://www.eurekalert.org/pub_releases/2016-02/abta-mbt022216.php)

Problems Associated With Use of Mobile Devices in the Sleep Environment - Streaming Instead

of Dreaming. <http://jamanetwork.com/journals/jamapediatrics/article-abstract/2571463>

France's National Health And Safety Agency Calls For Reducing Children's Wireless Exposures: ANSES 2016 Report. <http://ehtrust.org/frances-national-health-safety-agency-calls-reducing-childrens-wireless-exposures-anses-2016-report/>



***RF radiation from cell phones and other sources "may be associated with the increased incidence of autism: greater than 1 per 100 newborn."*** - Dr. Robert Kane

Advice on Pregnancy: Advice of The Cyprus National Committee on Environment and Children's Health. [https://www.youtube.com/watch?v=k\\_HVMnAXnLw&feature=em-subsub\\_digest](https://www.youtube.com/watch?v=k_HVMnAXnLw&feature=em-subsub_digest)

If the adults won't get the message, let's try

educating the children. Introducing Mobilwise.  
<https://www.youtube.com/watch?v=MEbmztTndOQ>, <http://www.mobilewise.org>

## **Smart Grid**

### **Electricity, Water and Gas Meters, AMI, HAN**

Smart Meters: What Consumers Can Do to Get Them Removed. <http://www.activistpost.com/2015/02/smart-meters-what-consumers-can-do-to.html>

Electrosensitive: His Meter Removed by Court Decision (translate from French online). <https://informations.handicap.fr/art-electrosensible-justice-875-9369.php>

In Australia, customers of Origin Energy P/L can opt out of receiving a "digital" microwave emitting smart meter by completing this online form. <https://www.originenergy.com.au/advanced-meter-optout.html#/start>

Smart Water Meter Data Considered Evidence in Murder Case. <http://www.wateronline.com/doc/smart-water-meter-considered-evidence-murder-case-0001>

LG Threatens to Put Wi-Fi in Every Appliance It Releases in 2017. <http://arstechnica.co.uk/gadgets/2017/01/lg-wi-fi-in-everything/>

Fire Investigator Trainer Blows Whistle on Smart Technology Causing Fires. [http://www.activistpost.com/2016/09/fire-investigator-trainer-blows-whistle-smart-technology-causing-fires.html?utm\\_source=Activist+Post+Subscribers&utm\\_medium=email&utm\\_campaign=d7fe548c3a-RSS\\_EMAIL\\_CAMPAIGN&utm\\_term=0\\_b0c7fb76bd-d7fe548c3a-387833893](http://www.activistpost.com/2016/09/fire-investigator-trainer-blows-whistle-smart-technology-causing-fires.html?utm_source=Activist+Post+Subscribers&utm_medium=email&utm_campaign=d7fe548c3a-RSS_EMAIL_CAMPAIGN&utm_term=0_b0c7fb76bd-d7fe548c3a-387833893)

500 More Smart Meter Fires? <https://bc-freedom.com/2017/01/29/500-more-smart-meter-fires/>

As profiteering by electricity suppliers escalates, they rely upon the anti-theft capabilities of smart metering to keep customers in line.

Prevent Tampering in Energy Meters. [http://www.eetimes.com/document.asp?doc\\_id=1274134&page\\_number=2](http://www.eetimes.com/document.asp?doc_id=1274134&page_number=2)

Globalist forces are relentlessly enforcing the smart meter agenda. No Further Extensions to Smart Meter Rollout, Warns OFGEM. <https://www.metering.com/news/smart-meter-rollout-ofgem/>

## **LED Lighting**

Some Cities Are Taking Another Look at LED Lighting After AMA Warning. <https://www.washingtonpost.com/national/health-science/some-cities-are-taking-another-look-at->

[led-lighting-after-ama-warning/  
2016/09/21/98779568-7c3d-11e6-bd86-  
b7bbd53d2b5d\\_story.html](http://led-lighting-after-ama-warning/2016/09/21/98779568-7c3d-11e6-bd86-b7bbd53d2b5d_story.html)

How LED Lighting May Compromise Your Health.  
[http://articles.mercola.com/sites/articles/  
archive/2016/10/23/near-infrared-led-  
lighting.aspx](http://articles.mercola.com/sites/articles/archive/2016/10/23/near-infrared-led-lighting.aspx)

## **Wearable Technology**

### **Biometrics, Implants, Accessories**



*Escape from reality 1960's style.*

20+ Emotion Recognition APIs That Will Leave You Impressed, and Concerned. <http://nordicapis.com/20-emotion-recognition-apis-that-will-leave-you-impressed-and-concerned/>

Predicting Ad Liking and Purchase Intent:  
Large-scale Analysis of Facial Responses to Ads.  
<http://www.affectiva.com/wp-content/uploads/>





*Escape from reality... today.*

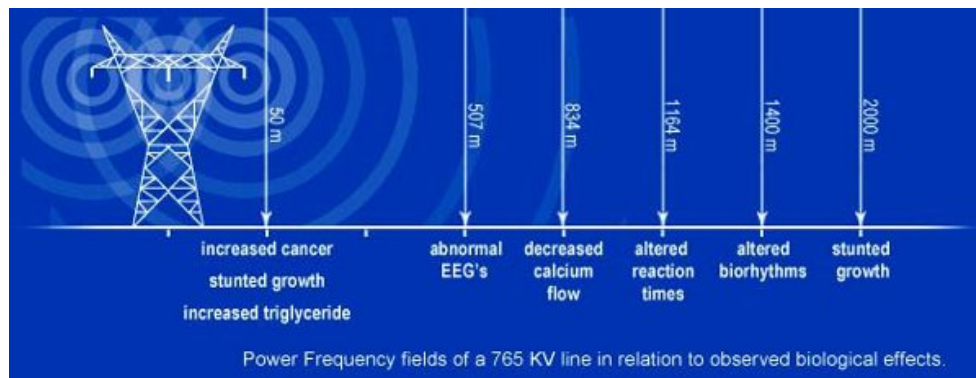
The next phase in virtual reality? Samsung is Working on Smart Contact Lenses, Patent Finding Reveals. <https://www.sammobile.com/2016/04/05/samsung-is-working-on-smart-contact-lenses-patent-filing-reveals/>

Apple "Air Pods". Clear Sound, Sleek Styling, and Microwave Radiation. <http://alumni.berkeley.edu/california-magazine/just-in/2016-10-18/clear-sound-sleek-styling-and-microwave-radiation>

Currently, there is an upsurge in phone app-controlled headsets intended to monitor or influence the wearer's state of consciousness. <http://www.choosemuse.com/>. But to what extent does the Bluetooth link utilised by most such devices colour the outcome? The Effect of Microwave Exposure on Human EEG at Two Different Levels of Exposure. <https://www.ncbi.nlm.nih.gov/pubmed/23280729>

Are My Toys Playing with My DNA? <https://medium.com/indian-ink/are-my-toys-playing-with-my-dna-31f8c5809d6c#.mvbs02nj3>

## Mains Radiation, ELF Power Grid and Appliances



*Reported health effects at distance from a high tension powerline. Australia's Gibb's Report advised "prudent avoidance".*

New Paper. A Curateâ€™s Egg:  
Queenslandâ€™s Guidelines for Managing 50 Hz  
Magnetic Fields in Office Buildings. <http://www.emfacts.com/2016/11/new-paper-a-curates-egg-queenslands-guidelines-for-managing-50-hz-magnetic-fields-in-office-buildings-2/>

Progesterone Concentrations During Estrous  
Cycle of Dairy Cows Exposed to Electric and  
Magnetic Fields. [http://onlinelibrary.wiley.com/doi/10.1002/](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1521-186X(1998)19:7%3C438::AID-)  
(SICI)1521-186X(1998)19:7%3C438::AID-

[BEM6%3E3.0.CO;2-2/abstract](#)

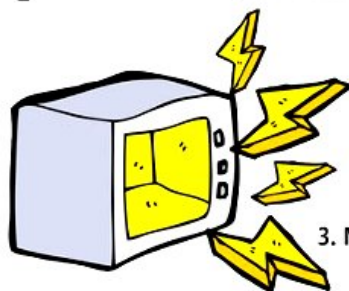
The Power of Wireless Cloud. <http://www.ceet.unimelb.edu.au/publications/ceet-white-paper-wireless-cloud.pdf>

A Review of Published Research on Low Frequency Noise and Its Effects. [http://westminsterresearch.wmin.ac.uk/4141/1/Benton\\_2003.pdf](http://westminsterresearch.wmin.ac.uk/4141/1/Benton_2003.pdf)

Does the 8.34Hz pulse repetition rate of GSM phone signals affect human cognition and behaviour? Effects of Weak Microwave Fields Amplitude Modulated at ELF on EEG of Symmetric Brain Areas in Rats. <https://www.ncbi.nlm.nih.gov/pubmed/9140659>

Pulsative Manipulation of the Nervous System. <https://www.google.com/patents/US6091994>

#### **4 REASONS TO THROW OUT YOUR MICROWAVE TODAY**



The TRUTH About  
**CANCER**  
• 100% FREE • 100% PROVEN • 100% REAL

1. Microwaving creates carcinogenic substances within milk and cereals.
2. Microwaved foods lose 60 ~ 90% of their nutritional value and significant portions of Vitamin B, C, E, and essential minerals.
3. Microwaved foods lead to a higher percentage of cancerous cells in the bloodstream.
4. The microwave field next to a microwave oven causes an abundance of health problems as well.

Why Did Russians Ban an Appliance Found in 90% of American Homes? <http://articles.mercola.com/sites/articles/archive/2010/05/18/microwave-hazards.aspx>

Exposure to microwaves is a health and safety hazard. Do NOT try this, or anything like it.

Russian Boy Made a Microwave Weapon.

[https://www.youtube.com/watch?](https://www.youtube.com/watch?v=UrXYA_gGLrA)

[v=UrXYA\\_gGLrA](https://www.youtube.com/watch?v=FIU8WZR9DNA), <https://www.youtube.com/watch?v=FIU8WZR9DNA>

## **Transport, Aerospace**

### **Motor Vehicles, Aircraft, Satellites**



*Locust-like "Perdex" Carbon fibre drones to fill the skies.*

US Military Unleashes Swarm of Tiny Intelligent Micro-drones. <https://www.thesun.co.uk/news/2578439/u-s-military-unleashes-swarm-of-tiny-intelligent-micro-drones/>

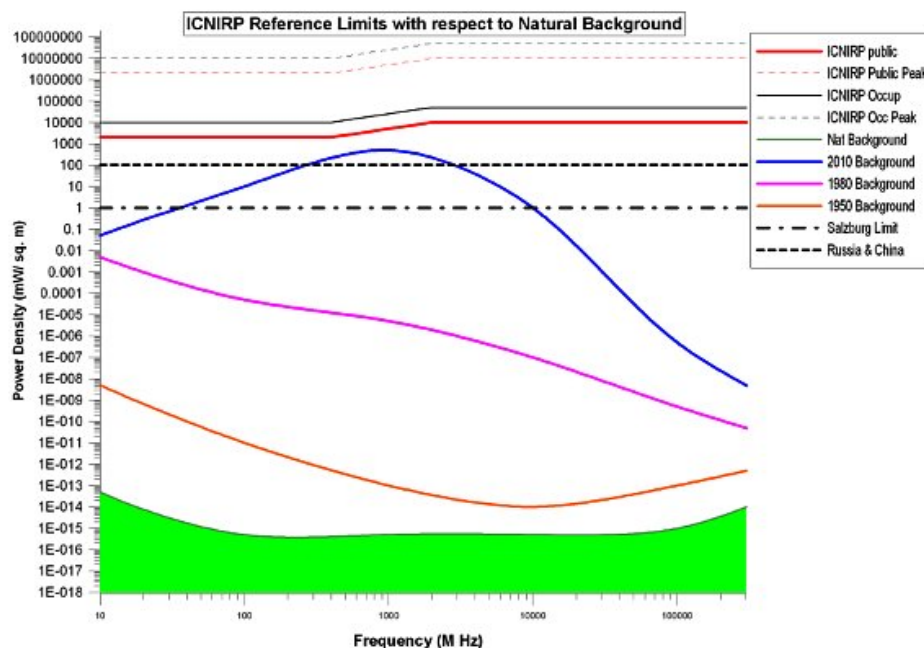
An Assessment of Potential Health Effects from Exposure to PAVE PAWS Low-Level Phased-Array Radiofrequency Energy. [https://ccst.us/projects/smart/documents/2005\\_NAP.pdf](https://ccst.us/projects/smart/documents/2005_NAP.pdf)

Flux densities of cosmic vs. manmade EMR.  
Xenology: An Introduction to the Scientific Study of Extraterrestrial Life, Intelligence, and Civilization. 24.2.2 Electromagnetic Waves and Frequency Selection. <http://www.xenology.info/Xeno/24.2.2.htm>

Inside Facebook's First Efforts to Rain Internet from the Sky. <https://www.wired.com/2016/11/inside-facebooks-first-efforts-rain-internet-sky/>

## Environment, Wildlife

Bees, Birds and Mankind. Destroying Nature Through Electrosmog. [http://competence-initiative.net/KIT/wp-content/uploads/2014/09/ki\\_beesbirdsandmankind\\_screen.pdf](http://competence-initiative.net/KIT/wp-content/uploads/2014/09/ki_beesbirdsandmankind_screen.pdf)



*Chart (logarithmic vertical scale) depicting how the natural energies of our planet are obscured by electropollution, often billions of times greater in magnitude. By Victor Leach [ORSAA](#).*

153 Peer-reviewed Studies. EMF's and Wildlife. <http://www.emfresearch.com/emf-wildlife/>

Right to Know - An Environmental Health Briefing. <https://vimeo.com/134411701>

Cloud computing's adverse effect on climate change. The Power of the Wireless Cloud. An Analysis of the Impact on Energy Consumption of the Growing Popularity of Accessing Cloud Services via Wireless Devices. <http://www.ceet.unimelb.edu.au/publications/ceet-white-paper-wireless-cloud.pdf>

Happy Birthday iPhone: Let's Talk About Your Dirty Environmental Secret. <http://www.theglobeandmail.com/opinion/happy-birthday-iphone-lets-talk-about-your-dirty-environmental-secret/article33626533/>

Infrasound, Human Health, and Adaptation: An Integrative Overview of Recondite Hazards in a Complex Environment. <http://link.springer.com/article/10.1007/s11069-013-0827-3>

## **Security**

**Body Scanners, Surveillance, Non-**

# **lethal Weapons**

What You Need to Know About the Phones Secretly Sending Data to China. <http://www.foxnews.com/tech/2016/11/16/what-need-to-know-about-phones-secretly-sending-data-to-china.html>

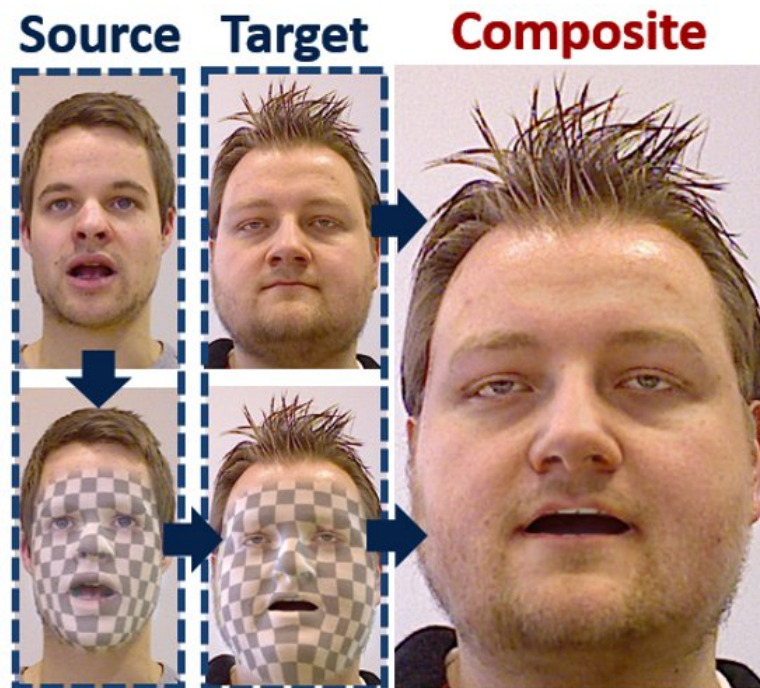
Why does nearly every corporation want to pry into our lives? Uber Can Now Track Passengers' Locations After They Are Dropped Off Even When the App Is Closed. <http://www.dailymail.co.uk/news/article-3996690/Uber-track-passengers-locations-dropped-app-closed.html>

Obama Expands Spy Agencies' Access to Private Data - Just in Time for Trump. <http://www.commondreams.org/news/2017/01/13/obama-expands-spy-agencies-access-private-data-just-time-trump>

US Patent "... effectively manipulate the nervous system of a subject over a distance of several hundred meters, using a small portable battery-powered device." Remote Magnetic Manipulation of Nervous Systems. <https://www.google.com/patents/US6238333>

TV documentary from 2008. Science Channel Admits Microwaves Used in Mind Control. <https://www.youtube.com/watch?v=zaPb3R5YTo4>

## Owning Your Face



The burgeoning falsity of a post-truth, technology driven world. Face2Face: Real Time Face Capture and Reenactment of RGB Videos. <https://www.youtube.com/watch?v=ohmajJTcpNk>

Facial recognition app. Blippar Uses Augmented Reality to Identify Faces. <https://futurism.com/videos/blippar-uses-augmented-reality-to-identify-faces/>

## Electro-sensitivity (EHS)

This Former Techie Owes His Fortune to Electronic Devices. Now He Thinks They're Dangerous. <http://www.motherjones.com/environment/2016/12/silicon-valley-cellphones->



wifi-sickness-emf-hypersensitivity

Health Experts Are in Denial Over the Existence of Electromagnetic Hypersensitivity. <https://smartmeternewsupdates.wordpress.com/2016/06/03/health-agencies-are-in-denial-over-the-existence-of-ehs-electromagnetic-hypersensitivity/>

Electrohypersensitivity: a Functional Impairment Due to an Inaccessible Environment. [http://noxtak.com/page/files/Electrohypersensitivity\\_Olle\\_Johanson.pdf](http://noxtak.com/page/files/Electrohypersensitivity_Olle_Johanson.pdf)

Companies Will Have to Protect Employees from Electromagnetic Waves (translate from French online). <https://www.franceinter.fr/societe/les-entreprises-vont-devoir-proteger-les-salaries-des-ondes-electromagnetiques>

Personal stories. Cell Phone Survivors and Non-survivors. <http://ehtrust.org/key-issues/cell-phoneswireless/cell-phone-survivors/>

Casualties of Waves. <https://www.youtube.com/watch?v=DjGazbVRqpc>



Metabolic and Genetic Screening of Electromagnetic Hypersensitive Subjects as a Feasible Tool for Diagnostics and Intervention. <https://www.hindawi.com/journals/mi/2014/924184/>

ES-UK Newsletters. <http://www.es-uk.info/>

[newsletters.html](#)

"The Revenge of Analog": See It. Feel It. Touch It. <https://www.nytimes.com/2016/12/05/books/revenge-of-analog-david-sax.html>

We Are the Evidence. Wireless Technology Injured Advocacy Group. <http://wearetheevidence.org/>

<p>THE BEARER OF THIS CARD IS <b>ELECTRO-SENSITIVE</b></p> <p>This means that everyday electronics can potentially severely affect their health</p> <p><i>Depending on sensitivity type and severity, this can include Wifi networks, computers, cell phones and towers, wireless monitoring systems, cordless phones and bases, MRI, X-Ray, CT scan, fluorescent lighting, energy saver CFL bulbs, dimmer switches, chargers, power lines and more</i></p>  <p>SWITCH2SAFE.INFO</p>	<p>My electro-sensitivity is (please tick)</p> <p>SEVERE                  MODERATE                  LIGHT</p> <p><input type="checkbox"/>                  <input checked="" type="checkbox"/>                  <input type="checkbox"/></p> <p>In case of emergency, please contact</p> <p>_____</p> <p>_____</p> <p><i>Please note: many electro-sensitives also suffer from Multiple Chemical Sensitivities</i></p>  <p>SWITCH2SAFE.INFO</p>
---	--

The National Institute of Building Sciences recognises EHS as a disability (See pages 51-52). IEQ Indoor Environmental Quality. [http://web.archive.org/web/20060714175343/ieq.nibs.org/ieq\\_project.pdf](http://web.archive.org/web/20060714175343/ieq.nibs.org/ieq_project.pdf)

Electrosensitivity UK Brochure. [http://www.es-uk.info/docs/20080829\\_es-uk\\_leaflet.pdf](http://www.es-uk.info/docs/20080829_es-uk_leaflet.pdf)

National Institute on Disability, Independent Living, and Rehabilitation Research (NIDILRR). <http://www.acl.gov/programs/nidilrr/>

## Biological Mechanisms

Even more relevant now given the "skin effect"

of 5G. Evidence That Exposure to EMF Radiation Can Cause Adverse Biological Effects to the Eyes. <http://www.mainecoalitiontostopsmartmeters.org/wp-content/uploads/2013/04/EV2-Eyes-Revised-List3-5-13-PUC-411.pdf>

Bioeffects of Microwaves - A Brief Review. [http://engineering.dartmouth.edu/~d25559k/ENGG168\\_files/Papers/Bioeffects%20of%20microwave\\_Review.pdf](http://engineering.dartmouth.edu/~d25559k/ENGG168_files/Papers/Bioeffects%20of%20microwave_Review.pdf)

Biological and Medical Aspects of Electromagnetic Fields. [http://gnusha.org/~nmz787/biological%20radio%20research/crc\\_-\\_biological\\_and\\_medical\\_aspects\\_of\\_electromagnetic\\_fields.pdf](http://gnusha.org/~nmz787/biological%20radio%20research/crc_-_biological_and_medical_aspects_of_electromagnetic_fields.pdf)

Health Implications of Longterm Exposure to Electrosmog. [http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/07/KI\\_Brochure-6\\_K\\_Hecht\\_web.pdf](http://kompetenzinitiative.net/KIT/wp-content/uploads/2016/07/KI_Brochure-6_K_Hecht_web.pdf)

How Probable Are Health Effects From Wireless Transmitting Devices? <https://betweenrockandhardplace.files.wordpress.com/2016/11/leszczynski-ssma-lecture-nov-20161.pdf>

Searching for the Perfect Wave: The Effect of Radiofrequency Electromagnetic Fields on Cells. <https://www.ncbi.nlm.nih.gov/pmc/articles/>

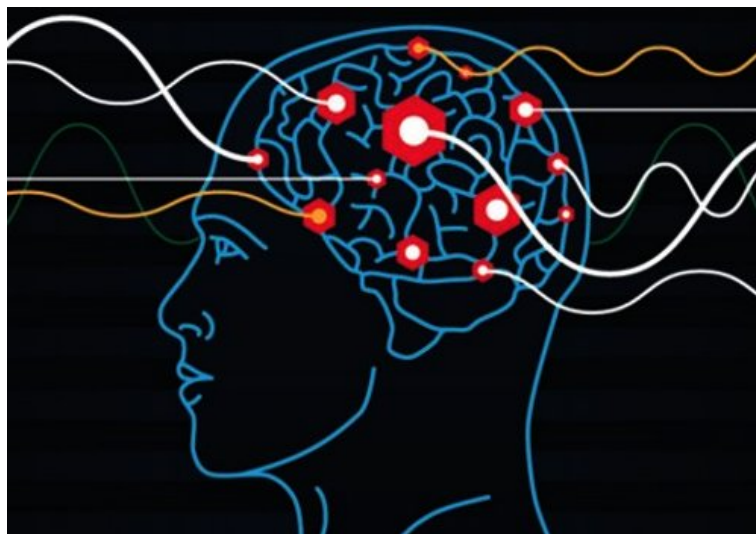
PMC4013569/

A Review on Electromagnetic Fields (EMF's) and the Reproductive System. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5014506/>

Membrane Damage of Human Red Blood Cells Induced by Low-power Microwave Radiation. <https://eurekamag.com/pdf.php?pdf=009008807>

Are increased sales of pain medication partly due to stimulation of the Glial cells by mobile phone radiation? Pain-initiating Function of Glial Cells Identified for the First Time. <http://medicalxpress.com/news/2016-11-pain-initiating-function-glia-cells.html>

## Neurological Effects



Microwave Frequency Electromagnetic Fields

(EMFs) Produce Widespread Neuropsychiatric Effects Including Depression. [http://ac.els-cdn.com/S0891061815000599/1-s2.0-S0891061815000599-main.pdf?\\_tid=bd4b43e6-b02a-11e6-ad35-0000aacb360&acdnat=1479761009\\_579a3405a8f7f16d9eb8b6e152abc461](http://ac.els-cdn.com/S0891061815000599/1-s2.0-S0891061815000599-main.pdf?_tid=bd4b43e6-b02a-11e6-ad35-0000aacb360&acdnat=1479761009_579a3405a8f7f16d9eb8b6e152abc461)

Cognitive Impairment and Neurogenotoxic Effects in Rats Exposed to Low-intensity Microwave Radiation. <https://www.ncbi.nlm.nih.gov/pubmed/25749756>

Response of Neurons to an Amplitude Modulated Microwave Stimulus. [http://somr.info/rfr/lib/Beason\\_Semm\\_2002.pdf](http://somr.info/rfr/lib/Beason_Semm_2002.pdf)

The Effects of Microwaves on Bioelectric Brain Activity. <https://www.ncbi.nlm.nih.gov/pubmed/12449823>

RFR-Auditory Effects in Humans. [http://www.beperkdestraling.org/images/stories/Wetenschap/Tinnitus/RFR\\_auditory\\_effect\\_in\\_humans\\_Amerikaanse\\_lichtmacht.pdf](http://www.beperkdestraling.org/images/stories/Wetenschap/Tinnitus/RFR_auditory_effect_in_humans_Amerikaanse_lichtmacht.pdf)

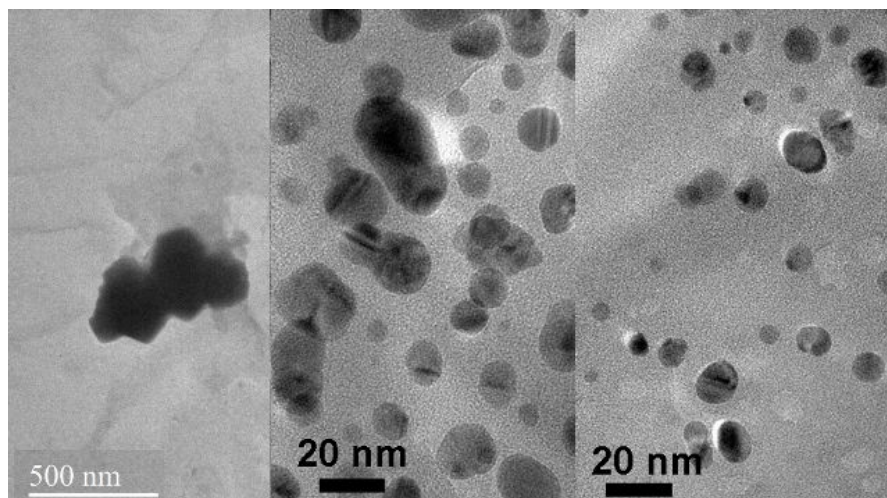
A 1970 US patent by Soviet researchers describing pulsed microwave neuro-entrainment. Apparatus for the Treatment of Neuropsychic and Somatic Diseases with Heat, Light, Sound and VHF Electromagnetic Radiation. <https://www.google.com/patents/>

US3773049

Neuroscientists Wirelessly Control the Brain of a Scampering Lab Mouse. <http://spectrum.ieee.org/biomedical/devices/neuroscientists-wirelessly-control-the-brain-of-a-scampering-lab-mouse>

## **Possible Link? Air Pollution, Alzheimers & Microwaves**

Magnetite, a form of iron oxide, is associated with long term memory. Long Term Memory in Brain Magnetite. <https://www.ncbi.nlm.nih.gov/pubmed/19815351>



While natural magnetite (left) is angular and bonded to a compatible cell structure, the artificial type contained in motor vehicle exhaust (middle and right) is smaller, spherical, and mobile within body tissue. This nanoparticle form can enter the brain directly from the air through the olfactory bulb.

Living Near Major Roads and the Incidence of Dementia, Parkinson's Disease, and Multiple Sclerosis: A Population-based Cohort Study. [http://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(16\)32399-6/abstract](http://www.thelancet.com/journals/lancet/article/PIIS0140-6736(16)32399-6/abstract)

High-resolution Analytical Imaging and Electron Holography of Magnetite Particles in Amyloid Cores of Alzheimer's Disease. <http://www.nature.com/articles/srep24873>

Industrial Air Pollution Leaves Magnetic Waste in the Brain. <http://www.sciencemag.org/news/2016/09/industrial-air-pollution-leaves-magnetic-waste-brain>

Magnetite, when exposed to microwaves, absorbs energy and rotates, thereby promoting its migration through the surrounding medium.

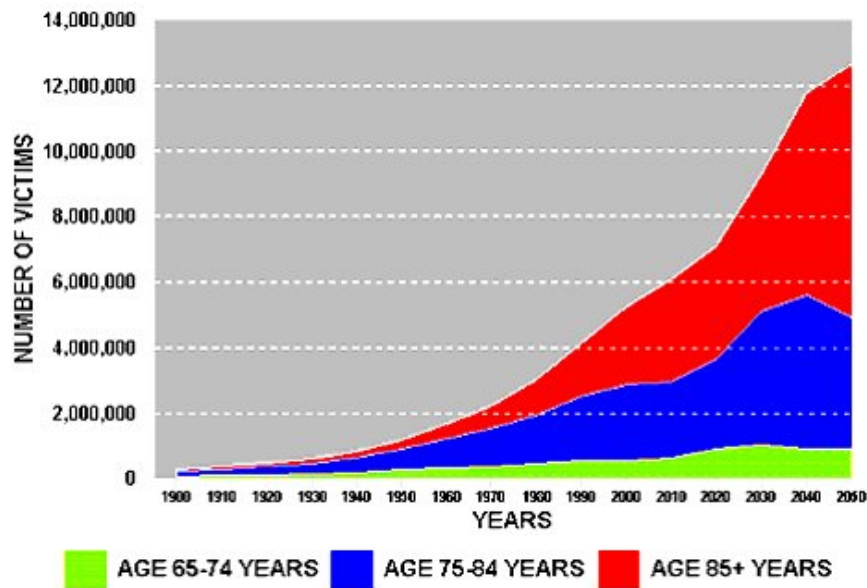
Mixed Brownian Alignment and Néel Rotations in Superparamagnetic Iron Oxide Nanoparticle Driven by an AC Field. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4617785/>

Magnetite and Our Electromagnetic Sense. <http://eatgenius.com/magnetite-and-our-electromagnetic-sense/>.

The question to be asked is, "Can mobile phone radiation contribute to the onset of Alzheimers within a brain that has absorbed magnetite

pollutants?"

Cell Mortality in Magnetite-producing Bacteria Exposed to GSM Radiation. [http://www.emf.ethz.ch/archive/var/pub\\_dobson\\_pref1.pdf](http://www.emf.ethz.ch/archive/var/pub_dobson_pref1.pdf)



*The growth curve of Alzheimers tracks the rise of industrialisation, including mobile phone uptake.*

Could microwaves also adversely affect sensor sites within the brain that utilise Magnetite?  
Magnetoreception and Its Use in Bird Navigation. [http://somr.info/rfr/lib/Mouritsen\\_Ritz\\_2005.pdf](http://somr.info/rfr/lib/Mouritsen_Ritz_2005.pdf)

## **Safety Standards**

### **Regulations, Bans and Warnings**



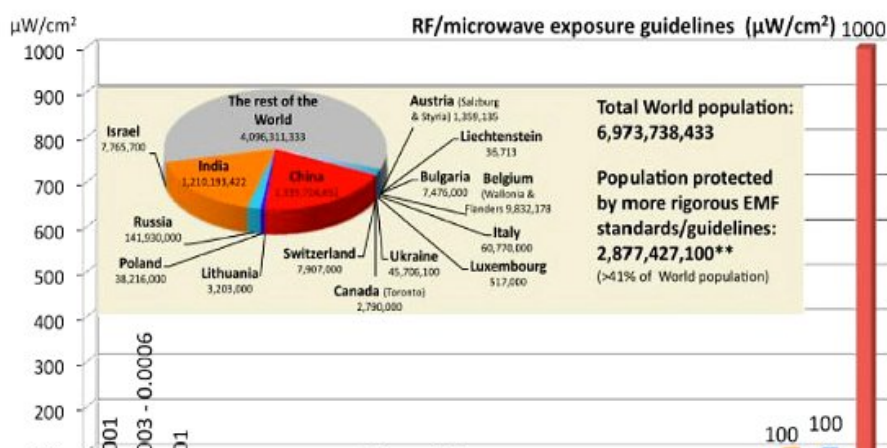
Worldwide Countries Taking Precautionary Action. <http://www.parentsfor safetechnology.org/worldwide-countries-taking-action.html>

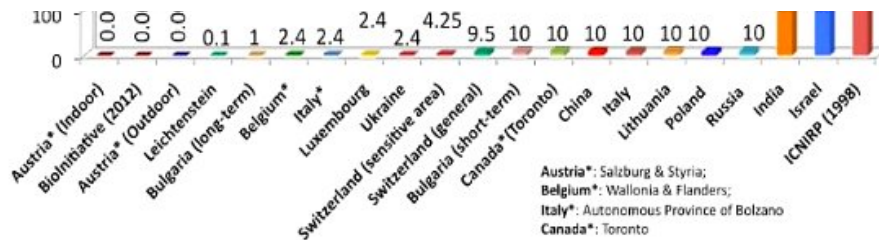
Krakows Bold Step to Curb Electromagnetic Pollution Reflects Growing Evidence of Harm. <http://ecotopical.com/the-ecologist/162203/krakows-bold-step-to-curb-electromagnetic-pollution-reflects-growing-evidence-of-harm/>

Swiss Council of States Rejects Rise to Radiation Limits. <https://www.telecompaper.com/news/swiss-council-of-states-rejects-rise-to-radiation-limits--1175893>

International Policy Actions on Wireless. <http://ehtrust.org/policy/international-policy-actions-on-wireless/>

New Paper: When Theory and Observation Collide: Can Non-ionizing Radiation Cause Cancer? <http://www.emfacts.com/2016/11/new-paper-when-theory-and-observation-collide-can-non-ionizing-radiation-cause-cancer/>





*Worldwide RF "safety" standards. Australia, the UK and USA apply the ICNIRP standard at the right, 10 to 100 times less stringent than other major countries.*

A New Paradigm in EMF Science. <https://www.emfanalysis.com/new-paradigm-emf-science/>

## On "Regulatory Capture"



FCC to Drop Barriers and Organize a Broadband Deployment Advisory Board. <https://insidetowers.com/cell-tower-news-fcc-drop-barriers-organize/>

Health Policy Groups Question FCC's Allowing Manufacturer Violation Of Its Cell

Phone Microwave Radiation Exposure Limit.  
<http://ehtrust.org/health-policy-groups-question-fccs-allowing-manufacturer-violation-cell-phone-microwave-radiation-exposure-limit/>.  
Letter of Inquiry re: Representations on FCC Website. <http://ehtrust.org/wp-content/uploads/Swankin-Turner-Letter-to-FCC-w-signature.pdf>

Preemption by the FCC of local government siting authority for the massive number of small cell antennae required for 5G. Streamlining Deployment of Small Cell Infrastructure by Improving Wireless Facilities Siting Policies.  
[http://transition.fcc.gov/Daily\\_Releases/Daily\\_Business/2016/db1222/DA-16-1427A1.pdf](http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db1222/DA-16-1427A1.pdf)

No turning back? FCC approves discontinuation of landline services throughout USA. [http://transition.fcc.gov/Daily\\_Releases/Daily\\_Business/2016/db1209/DA-16-1371A1.pdf](http://transition.fcc.gov/Daily_Releases/Daily_Business/2016/db1209/DA-16-1371A1.pdf)

"Convenience should not take precedence over public health". Cindy Lee Russell, M.D. Letter To FCC On 5G And Review Of Radiofrequency Health, Proceeding 13-84. <http://ehtrust.org/cindy-lee-russell-m-d-letter-fcc-5g-review-radiofrequency-health-proceeding-13-84/>

Public comments deadline extended to 8 March.  
Wireless telecommunications Bureau Docket

16-421. <https://www.fcc.gov/ecfs/filing/0112380614184/document/0112380614184a582>. "Streamlining Deployment of Small Cell Infrastructure by Improving Wireless Facility Siting Policies". <https://ecfsapi.fcc.gov/file/0112380614184/DA-17-51A1.pdf>

Health Effects of Electromagnetic Radiation - Possible or Probable? <https://betweenrockandhardplace.files.wordpress.com/2016/11/leszczynski-arpansa-lecture-nov-20161.pdf>

Stealth Canada - Deep Sixing the Science on Wireless Radiation. <http://olgasheean.com/stealth-canada-deep-sixing-the-science-on-wireless-radiation/>

### **In-Vivo Animal Studies**

ARPANSA TRS 164 (01/01/2000 to 31/08/2012) n ≈ 100			ORSAA database for in-vivo studies ALL (n=641)		
Topic	Effect (Y)	No Effect (N)	Effect	No Effect	Uncertain Effect
1.1 Cell physiology, injury, apoptosis	21	17	127	23	2
1.2 Neurotransmitters	1	1	22	1	0
1.3 Brain Electrical Activity	3	2	12	0	1
1.4 Blood-brain barrier and microcirculation	4	8	29	17	0
2.1 Spatial memory tasks	7	4	30	8	2
3. Endocrine system	3	5	40	6	1
5. Genotoxicity and mutagenesis	8	10	55	12	0
8. Co-carcinogenesis	0	7	3	2	0
10. Immune system and haematological system	5	3	49	17	2
11. Testicular function	8	5	37	4	0
Oxidative Stress	Not done	Not done	122	10	2

*This chart produced by ORSAA compares their [database](#) of peer-reviewed research papers with those selected by Australian regulator ARPANSA*

*in determinig official EMR safety standards.*

## **WHO Is at the Bottom of This**

World Health Organisation: Setting the Standard for a Wireless World of Harm. <https://olgasheean.com/wp-content/uploads/2017/02/WHO-setting-the-standard-for-a-wireless-world-of-harm.pdf>

Has the WHO EMF Project Been Hijacked by ICNIRP? <https://lennarthardellenglish.wordpress.com/2016/11/28/has-the-who-emf-project-been-hijacked-by-icnirp/>

BioInitiative Working Group Issues a "No Confidence" Letter to the WHO EMF Program Manager. <http://www.bioinitiative.org/bioinitiative-working-group-issues-a-no-confidence-letter-to-the-who-emf-program-manager/>

## **Industry Watch**

### **Product Defense, Liability and Legal Action**

Recommendation of the European Ombudsman Concerning the Alleged Failure by the European Economic and Social Committee to Ensure that a Member Declared All Relevant Interests.

<http://www.ombudsman.europa.eu/cases/recommendation.faces/en/71366/html.bookmark>

Breaking News by Susan Foster on Conflict of Interest in the Berkeley's Right to Know.

<https://betweenrockandhardplace.wordpress.com/2017/01/14/breaking-news-by-susan-foster-on-conflict-of-interest-in-the-berkeley-s-right-to-know/>

Smart meter manufacturer sues to hide network details from the public. As US Court Bans Smart Meter Blueprints from Public, Sysadmin Tells of Fight for Security Info. [http://](http://www.theregister.co.uk/2016/05/27/phil_mocek_seattle_smart_meters/)

[www.theregister.co.uk/2016/05/27/phil\\_mocek\\_seattle\\_smart\\_meters/](http://www.theregister.co.uk/2016/05/27/phil_mocek_seattle_smart_meters/), [http://www.theregister.co.uk/2016/05/25/seattle\\_suehawks/](http://www.theregister.co.uk/2016/05/25/seattle_suehawks/)

Radiation Protection in Conflict with Science.

[http://competence-initiative.net/KIT/wp-content/uploads/2014/09/broschuerenreihe\\_heft-5\\_eng\\_screen.pdf](http://competence-initiative.net/KIT/wp-content/uploads/2014/09/broschuerenreihe_heft-5_eng_screen.pdf)

Explaining Ambiguous Science Demands Requires High Ethics and Low Conflict of Interest. [https://](https://betweenrockandhardplace.files.wordpress.com/2016/11/leszczynski-swinburne-lecture-nov-2016.pdf)

[betweenrockandhardplace.files.wordpress.com/2016/11/leszczynski-swinburne-lecture-nov-2016.pdf](https://betweenrockandhardplace.files.wordpress.com/2016/11/leszczynski-swinburne-lecture-nov-2016.pdf)

The Mobile Carriers Forum protests the 500 metre phone tower exclusion zone around NSW schools. MCF Calls on NSW Education Department to Drop Buffer Zone Policy. <http://www.amta.org.au/articles/amta/MCF.Calls.on.NSW.Education.Department.to.Drop.Buffer.Zone.Policy>



Self-driving Cars Are Already Determining Who Lives & Dies. <http://www.offthegridnews.com/current-events/self-driving-cars-already-are-deciding-who-lives-dies/>

Protecting our new robotic overlords. Giving legal rights to "electronic persons". Robot Kill Switches & Legal Status. MEP's Endorse AI Proposal. <https://www.rt.com/viral/373450-robot-kill-switches-status/>

Tech Billionaire Issues Stark Warning Saying Artificial Intelligence Could Destroy the Human Race. <https://www.thesun.co.uk/news/2883522/tech-billionaire-issues-stark-warning->

to-human-race-saying-artificial-intelligence-could-destroy-human-race-which-is-already-part-cyborg-because-of-its-dependence-on-smartphones/

## **EMR Countermeasures**

### **Personal Precautions and Monitoring**

1995 US Patent. Protection of Living Systems from Adverse Effects of Electric, Magnetic and Electromagnetic Fields. <https://www.google.com/patents/US5450859>

Checking NBN Fixed Wireless Signal Strength with an Android Phone. <https://app.box.com/s/uje4ernpa184j37wizcl7igbgxihjm20>

Do iPhones Emit More Radiation Than Samsung Galaxy Phones? [http://www.saferemr.com/2016/10/do-iphones-emit-more-radiation-than\\_24.html](http://www.saferemr.com/2016/10/do-iphones-emit-more-radiation-than_24.html)

Internet on iPad Using Ethernet Cable - Now with Power in New Easy Method - No Wi-Fi or Mobile Data! <https://www.youtube.com/watch?v=oBKs2tPggVI>

Radio Wave Propagation Through Vegetation. [http://cdn.intechopen.com/pdfs/42732/InTech-Radio\\_wave\\_propagation\\_through\\_vegetation.pdf](http://cdn.intechopen.com/pdfs/42732/InTech-Radio_wave_propagation_through_vegetation.pdf)



# General Events & Networking

The World Health Organisation's EMF Project advises world governments on "safe" levels of EMR. Its Team Leader, Emilie van Deventer, has been accused of industry bias. Sign this VOTE of NO CONFIDENCE in WHO's EMF Project. <http://olgasheean.com/who-emf/>

Are you electrosensitive? Consider registering here to help promote wider acknowledgement of this disability. Australian National Register of Environmental Sensitivities (ANRES). <https://anres.org/>

Contribute to this growing list of doctors who support EHS. [aronshay@gmail.com](mailto:aronshay@gmail.com)

New website. Wi-Fi Cancer Info. [http://server2.charityadvantageservers.com/client/ResearchAssociatesSR\\_A6BNQ8B2/home.aspx](http://server2.charityadvantageservers.com/client/ResearchAssociatesSR_A6BNQ8B2/home.aspx)

Smart Meter Education Network. <https://plus.google.com/117014730459482588512>

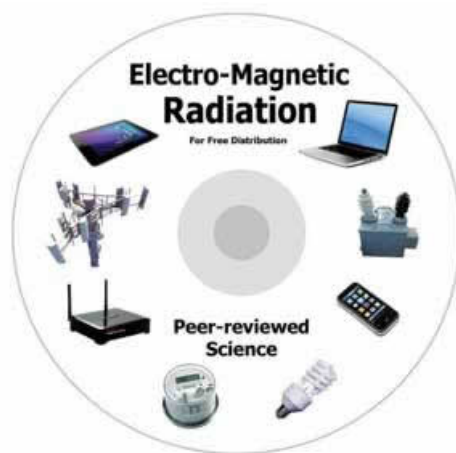
An Electronic Silent Spring, Katie Singer's January Newsletter. <http://www.electronicsilentspring.com/january-2017-newsletter/>

Join the Take Back Your Power Team. <https://>

[takebackyourpower.net/join-the-team/](http://takebackyourpower.net/join-the-team/)

"A call to action". The timing of Prof. Johansson's "forced retirement" is somewhat curious. He is the world's leading expert on the effects of EMR upon the skin, exactly the region of the body to be most affected by the soon-to-be-deployed 5G millimeter wave networks. Prestigious Karolinska Institute Forces EMF Researcher Olle Johansson to Retire. <http://www.naturalblaze.com/2017/01/prestigious-karolinska-institute-forces-emf-researcher-retire.html>

## Free DVD - Read the Science



This DVD was produced in response to readers who requested a resource dedicated entirely to peer-reviewed science on the adverse effects of EMR. It contains over 1200 categorised articles and abstracts in PDF, which should be enough to challenge even the most hardcore skeptics. It is available free of charge, posted to any address within Australia. [Click here](#) for further

information. Alternatively, much of the same information can be accessed via the links provided [here](#).

## **Notice**

If you are an employee or agent of a public or private corporation that deals with electrotechnology and/or policy related to same, please be advised that the EMR Aware Newsletter and linked documents are deemed to constitute duly served Legal Notice upon you personally of health and safety matters pertaining to human exposure to electromagnetic radiation (EMR), and additionally that you are hereby requested to peruse said Newsletter and linked documents, and exercise in accord with the content of same the utmost due diligence and duty of care.



[Disclaimer](#) | [Contact](#)

© *Copyright 2014-2018 EMR Aware. All Rights reserved.*