



EMR Aware

Electromagnetic Radiation - Concerns and Informed Choices

[View Latest Newsletter](#)

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

Newsletter October - November 2015

It would appear our newsletter has now settled into a bi-monthly rhythm. As you may notice, the amount of information per issue continues to grow at a steady pace. Although we are sometimes remiss in saying "thanks", much of the content is provided by our readers who regularly send in links to relevant articles, or include us in their mailing list.

There is a general feeling that the tide is turning

with regard to public recognition of safety issues surrounding electromagnetic radiation. The mounting scientific evidence, and dwindling number of insurers willing to cover EMR-related claims, is becoming impossible for industry strategists to dismiss. As the debate hits the streets, the availability of objective information will ultimately help produce a positive outcome. You can contribute by forwarding a link to this newsletter to interested persons or organisations.

Mobile and Cordless Phones



New Study Reveals What 15 Minutes On Your Cell Phone Actually Does To Your Brain. <http://www.collective-evolution.com/2015/09/11/new-study-reveals-what-15-minutes-on-your-cell-phone-actually-does-to-your-brain/>, <http://>

www.ncbi.nlm.nih.gov/pmc/articles/PMC4459698/pdf/pone.0129496.pdf

Cell Phone Technology Disrupts Brain Activity.

[https://www.youtube.com/watch?](https://www.youtube.com/watch?v=KOq5SW8hA00)

[v=KOq5SW8hA00](https://www.youtube.com/watch?v=KOq5SW8hA00)

Principles described are relevant to all mobile phone users. iPhone 6 SAR: Radiation Levels & Separation Distance. <http://www.saferemr.com/2014/09/iphone-6-sar-radiation-levels-and.html>

The Potential Impact of Mobile Phone Use on Trends in Brain and CNS Tumors. <http://www.omicsonline.org/2155-9562/2155-9562-S5-003.pdf>

Brain Tumor Rates Are Rising in the US: The Role of Cell Phone & Cordless Phone Use.

<http://www.saferemr.com/2015/05/brain-tumor-rates-are-rising-in-us-role.html>

A new investigative documentary that explores the potential long-term health effects from cell phone radiation, including brain cancer and infertility. Watch "Mobilize" Special offer. <http://www.thrivemovement.com/watch-mobilize-special-offer>

Mother Who Kept Her Phone in Her Bra Every Day for 10 YEARS Is Convinced it Caused Her Terminal Breast Cancer. [http://](http://www.dailymail.co.uk/health/article-3227648/Mother-kept-phone-bra-day-10-YEARS-)

www.dailymail.co.uk/health/article-3227648/Mother-kept-phone-bra-day-10-YEARS-

convinced-caused-terminal-breast-cancer.html#ixzz3lPLONWIH

Cellular Phone Task Force Newsletter - August 2015. http://www.emraware.com/documents/cptf_newsletter_aug2015.pdf

White paper. The Health Risks Associated with the Electromagnetic Spectrum. <http://radiationprotectionservices.com/the-health-risks-associated-with-electromagnetic-radiation/>

City of Berkeley Fends off Wireless Industry Suit Over Health Warning. <http://arstechnica.com/tech-policy/2015/09/city-of-berkeley-fends-off-wireless-industry-suit-over-health-warning/>



Noidas' Latest Health Threat: Mobile Signal Boosters. <http://radiationprotectionservices.com/?p=4271>

Industry supporters often cite the Scandanavian CEFALO study as proof mobile phones are safe for kids. But this article uncovers flaws in its methodolgy and findings. Childhood Brain

Tumour Risk and Its Association with Wireless Phones: A Commentary. <http://www.ehjournal.net/content/10/1/106>

A new psychiatric disorder? Nomophobia: Fear of Being Without Your Mobile Phone. <http://www.emfacts.com/2015/08/nomophobia-fear-of-being-without-your-mobile-phone-a-quiz/>

One third of schools in the UK now ban mobile phones from classrooms. Mobile Phones' Impact on Lessons Coming Under Scrutiny. <http://www.theguardian.com/education/2015/sep/13/mobile-phone-impact-school-lessons-scrutiny>

One reason why world governments preference the mobile phone industry over precautionary public safety is to implement mass surveillance. <http://www.oaic.gov.au/images/documents/privacy/applying-privacy-law/privacy-determinations/2015-aicmr-35.pdf>. Now, due to a court ruling in March of this year, you can request a copy of your personal metadata from Telstra and see how they are monitoring you. <https://www.telstra.com.au/privacy/customer-access>

In fact, thanks to a booming niche software market, owning a mobile phone makes you vulnerable to tracking by just about anyone. Top Cell Phone Tracking. <http://topcellphonetracking.com/>





Another reason a mobile phone under your pillow can disturb your sleep.

Microwave Towers

Phone, National Broadband, Emergency Networks, Radio, TV

Firefighters Union Calls for Halt to Cell Tower Installation Due to Severe Health Effects.

<http://citizensforaradiationfreecommunity.org/firefighters-union-calls-for-halt-to-cell-tower-installation-due-to-severe-health-effects/>

"Mobile tower operators may end up footing the bill for the medical treatment of cancer patients as the Delhi Government is planning on introducing a hazard exposure insurance fund."

Govt. Sends a Message. <http://www.thehindu.com/news/cities/Delhi/govt-sends-a-message/article7570816.ece>

25 died of cancer so far. Villagers Push for Demolition of Cell Towers. <http://www.sunstar.com.ph/cebu/local-news/>

[2015/07/22/villagers-push-demolition-cell-towers-420455](http://www.villagers-push-demolition-cell-towers-420455)

Skeptics claim we have been coexisting safely with radio and TV broadcasts since the 1950's. This incorrectly assumes that all forms of EMR are similar. In fact, observed biological responses relate to the specific frequency and signal structure applied. This means that every new form of EMR potentially has its own unique, and largely unexplored, health impact. Radio Towers Would Put Public's Health at Risk.

<http://www.delta-optimist.com/opinion/radio-towers-would-put-public-s-health-at-risk-1.2017678>

Proposed NBN Tower - Main Arm



Location map from the ATMA website.

NBN recently completed an EME report for a wireless internet tower to be constructed at 261

Settlement Road, Mullumbimby NSW. At the time of this writing, no development application has been lodged with Council. Residents in the area seeking further information on how these facilities may affect general wellbeing, visual amenity and property values, or who wish to organise opposition, are invited to [contact us](#) at the earliest.

Sunshine Coast Area

Due to objections lodged by a well-run opposition, Sunshine Coast Council has, on the following grounds, refused a DA for an NBN tower at Hunchy QLD.

1. The proposed development conflicts with the Strategic Framework of the Sunshine Coast Planning Scheme 2014 in regard to visual amenity impacts;
2. The proposed development conflicts with the Purpose and overall outcomes and the Performance Outcomes of the Scenic amenity overlay code;
3. The proposed development conflicts with the Purpose and overall outcomes and the Performance Outcomes of the Telecommunications facilities code.

There are a number of other towers proposed

for the same region, including one at Beerwah where a "public information" event was held by NBN on 2 September. A local paper quoted an NBN rep as stating, "Based on the feedback we received residents are largely supportive of the fixed wireless network proposal". However, reports from the Maleny group's display outside hall was that up to 50% of locals were dissatisfied with NBN's presentation.

According to one member. "This is the NBN pattern. They hold information meetings, sometimes as much as 20 to 30 minutes drive away from the proposed tower site (as happened in the case of the Hunchy Road site) and then issue glowing reports of the popular support based on nothing. In NSW one town of 350 people petitioned with 96% of the town opposed to the NBN tower, but NBN reps told local Council that there was 'overwhelming support' for their proposed tower."

NBN Cost Blows Out by Up to 15 Billion Dollars.
<http://www.abc.net.au/news/2015-08-24/nbn-cost-blows-out-by-up-to-15-billion-dollars/6720878>

The NBN: Why It Is Slow, Expensive and Obsolete. <http://theconversation.com/the-nbn-why-its-slow-expensive-and-obsolete-47191>

Here is a Change.org petition to sign. NBN plans to erect a 60 metre high transmission tower

just 20 meters from the Appin Hall
Childrenâ€™s Foundation in Erriba Tasmania, a
respite facility for children with serious illnesses.
[https://www.change.org/p/nbn-co-ltd-stop-
nbn-erecting-a-60m-wifi-tower-20m-from-the-
appin-hall-respite-children-s-facility?
source_location=petition_footer&algorithm=pro
moted](https://www.change.org/p/nbn-co-ltd-stop-nbn-erecting-a-60m-wifi-tower-20m-from-the-appin-hall-respite-children-s-facility?source_location=petition_footer&algorithm=promoted)

Wi-Fi, Bluetooth

Home, Business, Hotspots



*Ignored health research: The elephant in the
room.*

Sydney Morning Herald, "Hellish headaches are
just the start for people with electromagnetic
hypersensitivity - and in our Wi-Fi world, there's
almost nowhere to hide." Brain on Fire. [http://
www.smh.com.au/good-weekend/brain-on-](http://www.smh.com.au/good-weekend/brain-on-)

[fire-20150820-gj44nm.html](#)

By contrast, this article in our local Northern Star newspaper contends EHS is a self-induced health condition that has no proven association with EMR. Can Wi-Fi Make You Sick? <http://www.pressreader.com/australia/the-northern-star/20150910/282020441070891/TextView>

New Study Suggests Wireless Devices Linked to Many Health Risks. <http://smartgridawareness.org/2015/08/01/wireless-devices-linked-to-many-health-risks/>

Effects of Acute Exposure to WIFI Signals (2.45 GHz) on Heart Variability and Blood Pressure in Albinos Rabbits (and others). Rabbit. <http://www.saferemr.com/2015/09/recent-research-on-wifi-effects.html>

The "Trojan Horse" Attack on Human Health. <http://memoryholeblog.com/2014/11/14/the-trojan-horse-attack-on-public-health/>

Every private home to be a profit-reaping hotspot. Why is Xfinity Wi-Fi Harming People? <http://www.emfanalysis.com/why-is-xfinity-wifi-harming-people/>

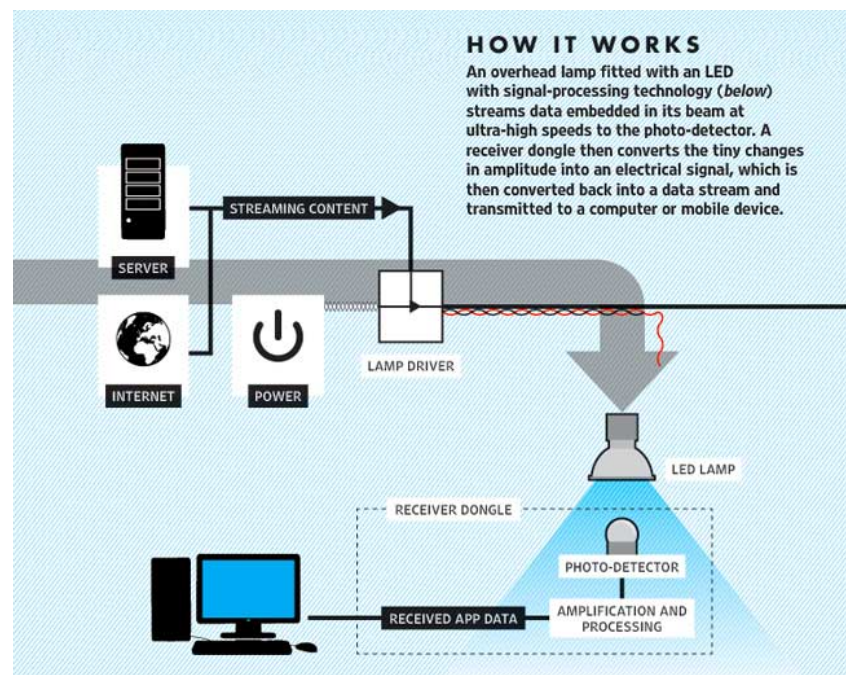
Cablevision Sued Over Wi-Fi Hotspots. <http://www.longislandpress.com/2015/08/21/cablevision-sued-over-wifi-hotspots/>

Now Swami Bluetooth wants to teach you yoga.

SmartMat: The World's First Intellegient Yoga Mat. <https://smartmat.com/about/>

Pepper Hacker Blocks Wi-Fi at Dinner Time. <http://emfrefugee.blogspot.com.au/2015/07/pepper-hacker-blocks-wi-fi-at-dinnertime.html>

The Li-Fi Alternative



When data transmission by safe ultrafast light waves is commonplace, we might rightfully wonder how exposing consumers to microwaves was ever justified. Prof. Harald Haas - How Light Can change the World. <https://www.youtube.com/watch?v=RrN24hD8hHc&feature=youtu.be>

Russian Firm's Li-Fi Solution Winning Foreign Clients. http://rbth.com/science_and_tech/2014/06/30/russian_firms_li-fi_internet_solution_winning_foreign_client_378

05.html

Li-Fi to Replace Wi-Fi in China? <http://worldfortechie.blogspot.com.au/2015/01/li-fi-to-replace-wi-fi-in-china.html>

More Li-Fi links here. <https://ditesnonauxmicroondes.wordpress.com/2015/04/11/video-conference-en-anglais-prof-harald-haas-how-light-can-change-the-world-the-university-of-edinburgh/>

Schools and Children

First US Public School District Limits Wi-Fi Radiation Exposure to Students and Staff. <http://www.digitaljournal.com/pr/2688700>

EHT Lauds Israel's Ban on Wi-Fi in Kindergarten and Limits to Children's Wireless Exposures in Schools. <http://www.sbwire.com/press-releases/eht-lauds-israels-ban-on-wi-fi-in-kindergarten-and-limits-to-childrens-wireless-exposures-in-schools-627333.htm>

"The Governing Council recommends for schools to forgo the use of wireless networks when the structural makeup of a given school building allows for a wired network." German and Swiss Government Warnings on Wi-Fi. http://www.magdahavas.com/wordpress/wp-content/uploads/2010/09/German_Swiss_Wifi_In-

Schools_Warn.pdf

Medical Term for Wi-Fi In School. https://www.youtube.com/watch?v=1gkcPZV4coQ&feature=player_embedded

Free Fibre for Swiss Schools - Wi-fi Warnings. <http://www.magdahavas.com/free-internet-access-in-swiss-schools-no-wif>

Have we been sold a lemon? New Zealand Radio National: More IT in Schools Doesn't Boost Students' Results. <http://www.radionz.co.nz/national/programmes/morningreport/audio/201770812/more-it-in-schools-doesn-t-boost-students'-results>

Computers "Do Not Improve" Pupil Results, Says OECD. <http://www.bbc.com/news/business-34174796>



Not-informed Prime Minister Harper's Administration is Allowing Their Children to be

Radiated by EMF's. <http://thermoguy.com/canadian-politicians-pitch-parents-while-not-informed-prime-minister-harpers-administration-is-allowing-their-children-to-be-radiated-by-rf-emfs-across-the-country/>

Students Discover Microwaves from Wi-Fi in Ontario Schools May Cause Infertility. <http://www.newswire.ca/news-releases/students-discover-microwaves-from-wifi-in-ontario-schools-may-cause-infertility-529065371.html>

Message to Public Schools about Wireless Devices. http://www.emraware.com/documents/message_schools_wireless.pdf

Presentation by Dr. Erica Mallery-Blythe on Wi-Fi in schools dedicated to Jenny Fry, the 15 year old girl with EHS who recently committed suicide. <https://vimeo.com/131798243>

NACST Turn It Off 4 Kids Initiative 2015. <http://www.nacst.org/nacst-turn-it-off-4-kids.html>

The Lawsuits Begin

School Boards Left on the Hook for Wi-Fi Injuries. <http://www.alternativenewsproject.org/article/health-healing/school-boards-left-on-the-hook-for-wi-fi-injuries>

Legal Liability Issues with Wireless. <http://www.parentsforsafetechnology.org/legal->

[liability-issues-with-wireless.html](#)

School's Wi-Fi Making Son Sick, Parents Say In Lawsuit. <http://boston.cbslocal.com/2015/08/25/wifi-southboro-fay-school-sick/>

Legal Filing for School Wi-Fi lawsuit. <https://scoopfeeddotnet.files.wordpress.com/2015/08/complaint-childg-v-fay-filed.pdf>

Smart Grid

Electricity, Water and Gas Meters, AMI, HAN

A Critique of the New Zealand Report: "Health and Safety Aspects of Electricity Smart Meters". http://www.emraware.com/documents/new_zealand_critique.pdf

"A sensible approach is to locate Smart Meters such that the general public are unlikely to spend longer than a few minutes per day at a distance of less than 1 metre from them. This will ensure that mobile phone use remains by far the highest RF exposure source that any individual is likely to be exposed to." And by some twisted logic, the authors seem to think that is OK. Health and Safety Aspects of Electricity Smart Meters. http://www.epecentre.ac.nz/docs/media/ARC_Full_Final_02.pdf

Here is what might happen if a smart meter is installed adjacent to your living space. Another New Zealander Shares Her Experience with a Smart Meter. <http://www.stopsmartmeters.org.nz/latest-news/another-new-zealander-shares-her-experience-with-a-smart-meter/>



Will your new smart meter do this? Take a photo for your insurer. Providers are known to spirit away the evidence.

Wireless Utility Meter Safety Impacts. <http://emfsafetynetwork.org/wp-content/uploads/2011/09/Wireless-Utility-Meter-Safety-Impacts-Survey-Results-Final.pdf>

Technical Study Reveals the Magnitude of Victorian Smart Meter Transmissions. <http://stopsmartmeters.com.au/2015/08/03/technical-study-reveals-magnitude-of-victorian-smart->

[meter-transmissions/](#)

"The vast majority of Victorian cases did not state that they had been sufferers of electromagnetic hypersensitivity syndrome (EHS) prior to exposure to the wireless meters." Self-reporting of Symptom Development from Exposure to Radiofrequency Fields of Wireless Smart Meters in Victoria, Australia: A Case Series. <http://www.ncbi.nlm.nih.gov/pubmed/25478801>

Thinking about disconnecting or going off-grid? Desperate Australian electricity companies want to penalise you for NOT using their service. Networks Propose Compulsory Fees for All - To Stop Grid Defections. <http://reneweconomy.com.au/2015/networks-propose-compulsory-fees-for-all-to-stop-grid-defections-28523>

Economic Benefits?

The once reassuring "consumer-led" roll-out touted by the QLD Government now looks like a ruse since they are demanding smart meters on all new construction. Queensland Avoids Smart Meter Mandate. Or Is It Smart Meters By Stealth. <http://realnewsaustralia.com/2013/09/17/queensland-avoids-smart-meter-mandate-or-is-it-smart-meters-by-stealth/>

Smart Meters Giving Victorian Consumers "No

Benefit" on Electricity Bills, Auditor-General Says. <http://www.abc.net.au/news/2015-09-16/smart-meters-giving-victorian-consumers-no-benefits/6780566>

Smart Meters Have Failed and Were a Dumb Investment. Check out the selection of web links at the end. <http://smartgridawareness.org/2014/12/18/smart-meters-have-failed/>

Rebuttal to slanted reportage. Consumer Magazine Covers the Smart Meter Issue. <http://www.stopsmartmeters.org.nz/latest-news/consumer-magazine-covers-the-smart-meter-issue/>

"One homeowner said, even though she's doing everything she can to save energy, her bill almost doubled." Claremore Residents Shocked Over High Utility Bills. <http://www.newson6.com/story/29710071/claremore-residents-shocked-over-high-utility-bills>

Stop Smart Meters Australia - Information-packed September 2015 Bulletin. http://stopsmartmeters.org/?can_id=664231854226259c87104e823a0dc1cb&source=email-september-2015-stop-smart-meters-bulletin&email_referrer=september-2015-stop-smart-meters-bulletin&email_subject=september-2015-stop-

smart-meters-bulletin

A video of a crowd in Mexico tearing down smart meters. We do not endorse such actions.

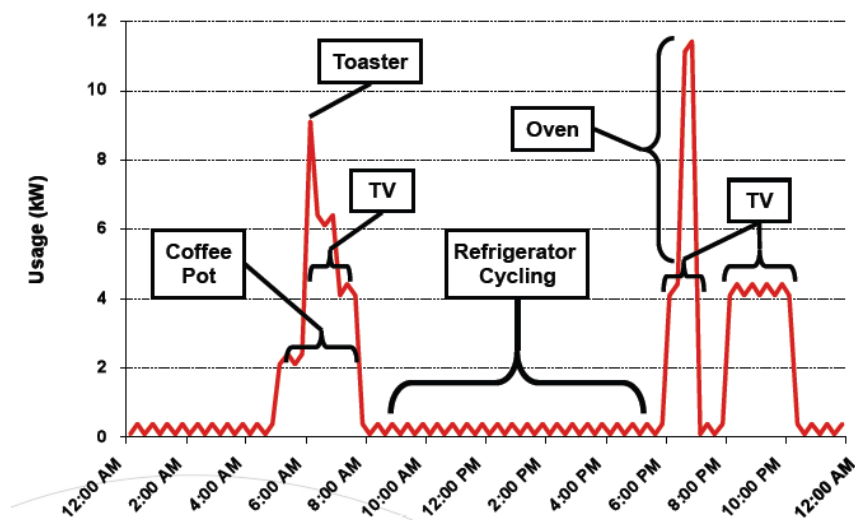
<https://www.facebook.com/soydebonao/videos/1001159286572568/?fref=nf>

Enova Community Energy Ltd. is seeking to establish locally-generated electricity networks in Northern Rivers region of NSW. <http://www.enovaenergy.com.au/>. We contacted them by email to inquire to what extent smart metering and wirelessly linked appliances might be utilised. Here is their reply.

Re: smart meters. We will contract with a meter provider and data agent to provide this service. They also determine the comms. Keeping in mind that smart meters are optional for our target market. Re: smart appliances. Our primary area for focus will be solar and battery. This usually uses the customers internet/wireless. But it is too early to know exactly what comms we will need. We are talking to a data provider in relation to this, so it will probably use whatever they use for comms as they are the service provider. I will have a better idea once we have determined our product requirements and how heavily this relies on comms.

Readers interested in subscribing to their service, and concerned about microwaves from smart technologies, may wish to contact them to express their concerns, and obtain further details and updates.

Privacy and Security



Smart Grid Powers Up Privacy Worries. <http://www.politico.com/story/2015/01/energy-electricity-data-use-113901>

Dragnet Data Collections by Smart Meters. <http://smartgridawareness.org/2015/08/17/dragnet-data-collections-by-smart-meters/>

Smart Meters Capable of Capturing Discrete Details of Behavior. <http://smartgridawareness.org/2015/07/08/smart-meters-capable-of-capturing-discrete-details-of-behavior/>

“I think the (surveillance) data is going to be worth a lot more than the commodity that’s

being consumed to generate the data.â€ Smart Meters: The Real Reason Why All This Is Happening. <https://takebackyourpower.net/why-this-is-all-happening/>

The Role of Digital Trace Data in Supporting the Collection of Population Statistics - The Case for Smart Metered Electricity Consumption Data. <http://onlinelibrary.wiley.com/doi/10.1002/psp.1972/pdf>

Hive Planning to Turn the Hum of Thousands of Smart Meters into a Supercomputer Platform. <http://www.forbes.com/sites/peterdetwiler/2015/07/20/hive-planning-to-turn-the-hum-of-thousands-of-smart-meters-into-a-supercomputer-platform/>

UK Energy Firm Caught Forcibly Installing Smart Meter Against Person's Consent. <http://stopsmartmeters.org.uk/uk-energy-firm-caught-forcibly-installing-smart-meter-against-persons-consent/>

And how does the legal system justify this? Be warned. Customers Are "Deemed to Have Consented"â€™™ to Smart Meter Privacy Invasions Due to Continued Usage of Electricity Says Federal Judge (USA). <http://smartgridawareness.org/2015/09/01/deemed-consent-to-smart-meters-privacy-invasions/>

Gas and Water

Smart gas and water meters are currently being installed in Victoria, sometimes even without the customer's knowledge. A wireless module can be placed unobtrusively INSIDE the existing meter housing. The transmission frequency, as low as 440MHz, penetrates living tissue more deeply than radiation from smart meters, mobile phones and Wi-Fi networks which operate within the 700MHz to 2.4GHz range. Stopping a Smart Gas Meter Installation: An Australian Shows the Way. <http://www.stopsmartmeters.org.nz/uncategorized/stopping-a-smart-gas-meter-installation-an-australian-shows-the-way/>

Suburb's Smart Water Meters Regularly Overcharge Residents. <http://www.chicagotribune.com/news/watchdog/ct-water-meter-overcharge-met-20150603-story.html>

Plaintiff in Tinley Park Water Meter Suit Seeks Class Action. <http://www.chicagotribune.com/suburbs/tinley-park/news/ct-tinley-park-meters-lawsuit-met-20150827-story.html>

"Smart" = Easy Revenue





"Demand-based" smart parking meters, another escalation of our metered life.

Municipalities can avoid building new parking spaces by compelling drivers to pay increasingly more for the outpaced number that already exist. <http://sf.streetsblog.org/2015/04/17/all-meters-now-sfpark-ready-more-demand-based-parking-pricing-to-come/>

There is no shortage of companies seeking to profit by filling our world with ever-increasing levels of microwaves. Here is a scheme, supported by our ACMA, to have 4-7GHz microwaves beaming up out of the pavement of public parking spaces. "A time of flight radar sensor used to detect whether a parking bay is occupied or not". <http://www.acma.gov.au/~media/Spectrum%20Engineering/Issue%20for%20comment/pdf/IFC%2060-2014%20Spectrovation%20com%20pdf.pdf>

Apparently a similar "in-ground sensor" technology has been in use in Melbourne since 2011. <https://www.melbourne.vic.gov.au/ParkingTransportandRoads/Parking/Pages/InGroundSensors.aspx>

Wearable Tech

Biometrics, Implants, Artificial Intelligence

"Homo sapiens are once again at a crucial juncture in their evolution timeline that started almost three million years ago. Evidence of the next phase is already here, but no one knows for sure how or where we will end up. But a term coined in the 1960's offers a clue: cyborg." Energy Harvesting IC's Power the Electric Body. <http://www.mdtmag.com/articles/2014/10/energy-harvesting-ics-power-electric-body>

Brain Chip Implants. <http://www.armstrongeconomics.com/archives/35714>

Drugs implanted within the body released by wireless command. New Wireless Technology to Medicate the Population. <http://www.naturalhealth365.com/drug-medicate-big-pharma-1500.html>

Smart phone controlled electrostimulation headpiece, means who controls the phone controls you. Thync review: Where We Just Say Yes to a Drug-like, Brain-zapping Wearable. <http://www.gizmag.com/thync-review/38662/>

Mains Radiation, ELF

Powerlines, Wiring, Appliances

"It is perfectly safe. It is the same kind of technology used in cell phones and wireless routers". Wireless Electricity? It's Here! <https://www.youtube.com/watch?v=ckKrx772hU>

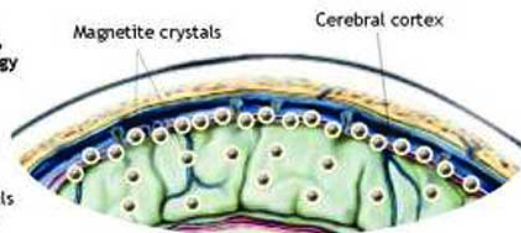
Video demonstration of resonant power transfer. Wireless Electricity II. <https://www.youtube.com/watch?v=4UmVLfFNx7U>

Proof of magnetic antennas in the brain

Study by Dr. Joseph Kirschvink, California Institute of Technology

found evidence of:

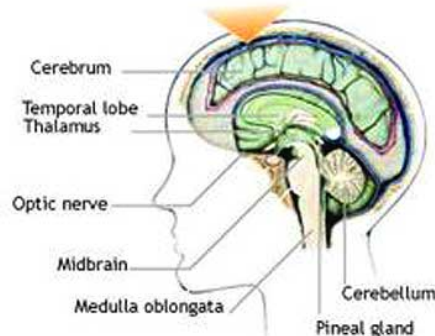
- 5 million magnetite crystals per gram of brain cell
- 100 million magnetite crystals per gram of cerebral cortex



Magnetite crystals can sense very weak signals and react to them.

Magnetite (Fe_3O_4) reacts over one million times more sensitive to an external magnetic field than any other biological matter.

This means that external magnetic fields directly influence the brain. This can affect and disturb many functions of our metabolism.



CIT study proves existence of magnetite "antennas" in the brain.

Magnetite in Human Tissues: A Mechanism for the Biological Effects of Weak ELF Magnetic Fields. <http://web.gps.caltech.edu/~jkirschvink/pdfs/KirschvinkBEMS92.pdf>

Magnetic Crystals, Guides for Animals, Found in Humans. <http://www.nytimes.com/1992/05/12/science/magnetic-crystals-guides-for-animals-found-in-humans.html?pagewanted=all&src=pm>

Environmental side effects of wind farms in the name of sustainable power. "The study concluded that bats die on wind farms because of reduced air pressure around each turbine." Can a New Windmill Save Birds and Bats. <http://www.care2.com/causes/can-a-new-windmill-save-birds-and-bats.html>

Transport, Aerospace

Motor Vehicles, Aircraft, Satellites



The solar powered Aquila Wi-Fi drone has the wingspan of a Boeing 737.

Facebook Ready to Test Giant Drone for Internet

Service. <http://www.montereyherald.com/business/20150730/facebook-ready-to-test-giant-drone-for-internet-service>

Google's Internet Balloons Will Soon Connect All of Sri Lanka with Wi-Fi. <http://www.sciencealert.com/google-s-internet-balloons-will-soon-connect-all-of-sri-lanka-with-wi-fi>

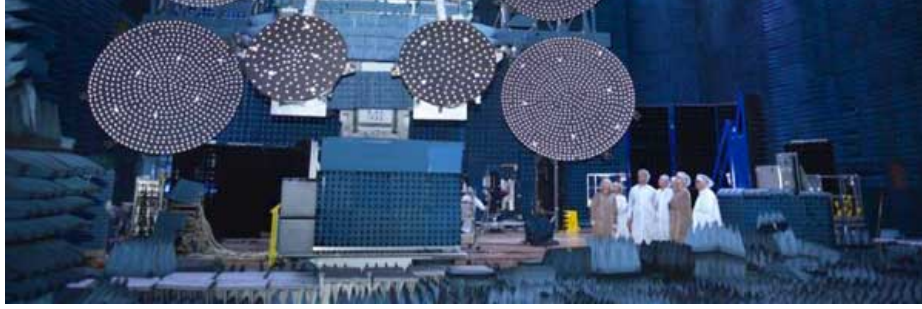
Google Will Test Its Wi-Fi Beaming Balloons in Australia. <http://www.sciencealert.com/google-will-test-its-wifi-beaming-balloons-in-australia>

Testing Shows Using Microwaves to Propel a Craft into Space Might Work. "There might also be safety issues surrounding the firing of such a massive amount of microwaves into space."
<http://phys.org/news/2015-07-microwaves-propel-craft-space.html>

Millimeter Wave Rocket Propulsion. <http://www.miww.com/millimeter-wave-rocket-propulsion/>

Wireless Powered Microwave Flight History & Experiments. <https://www.youtube.com/watch?v=tn9ql9gZCbo>





Sky Muster, first of several NBN satellites to beam down 26.5-40GHz microwaves.

Sky Muster or Sky Monster? The half-billion dollars spent on this project so far could have laid a lot of safe, future-proof fibre optic cable. The name of the satellite is a bit revealing as well. Who do they presume to be mustering? Sky Muster: Rocket Carrying NBN Satellite Launches Amid Concerns Internet Speeds Overpromised. <http://www.abc.net.au/news/2015-10-01/sky-muster-launches-amid-concerns-internet-speeds-overpromised/6817998>

Security

Body Scanners, Surveillance, Non-lethal Weapons

Why DARPA Is Paying People to Watch Alfred Hitchcock Movies. <http://www.washingtonpost.com/news/to-your-health/wp/2015/07/28/why-darpa-is-paying-people-to-watch-alfred-hitchcock-cliffhangers/>

Neural Evidence That Suspense Narrows
Attentional Focus. [http://
www.sciencedirect.com/science/article/pii/
S0306452215005965](http://www.sciencedirect.com/science/article/pii/S0306452215005965)



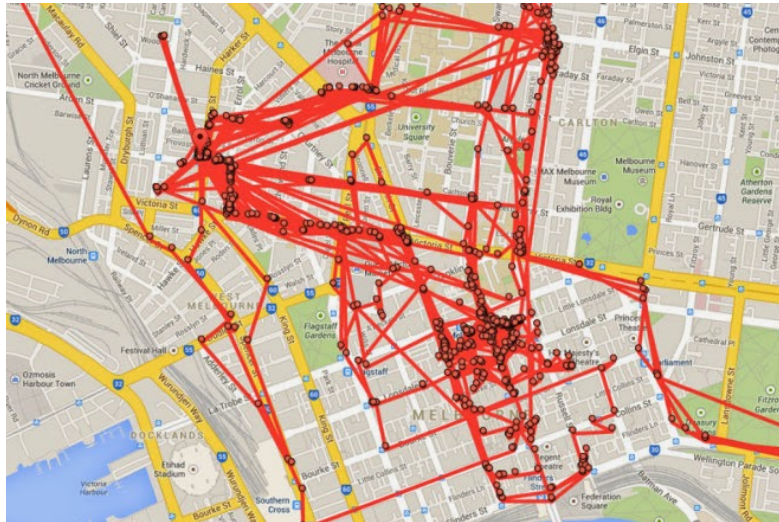
The prison without walls.

The effect of "user-profiled" results from major internet search engines herds the viewer into progressively smaller and exploitive circles of inquiry. Is that feeling of being "connected" actually real, or only a feedback loop that lulls you into thinking everything is exactly as you have been led to believe? "Google's propaganda search engine distorts perceptions to control people's thoughts - try Good Gopher instead, a propaganda-free search portal." [http://
www.naturalnews.com/
050597_Good_Gopher_Google_search_engine_t
hought_control.html](http://www.naturalnews.com/050597_Good_Gopher_Google_search_engine_thought_control.html)

**â€œThe conscious and intelligent
manipulation of the organized habits and**

opinions of the masses is an important element in democratic society. – Edward Bernays observed almost a century ago.

Every Smart Phone a Spy



Google Maps Has Been Tracking Your Every Move and There's A Website That Proves It.
<http://www.whydontyoutrythis.com/2014/09/proof-of-how-google-maps-has-been-tracking-your-every-move.html>

Biological Mechanisms

Comprehensive survey. A New Report on the Health Effects of Electromagnetic Energy.
www.emfacts.com/download/Forum_3.pdf

Video Presentation to the Commonwealth Club of CA. Karl Maret, MD, Expert Forum on Cell Phone and Wireless Risks. <https://vimeo.com/132039697>

Scientists Discover Electrical Control of Cancer Cell Growth. <http://www.sciencedaily.com/releases/2015/08/150824130820.htm>

"There was a significant increase in BMN frequency and TM value in exposed subjects."
Effect of GSTM1 and GSTT1 Polymorphisms on Genetic Damage in Humans Populations Exposed to Radiation From Mobile Towers. <http://www.ncbi.nlm.nih.gov/pubmed/26238667?dopt=Abstract>

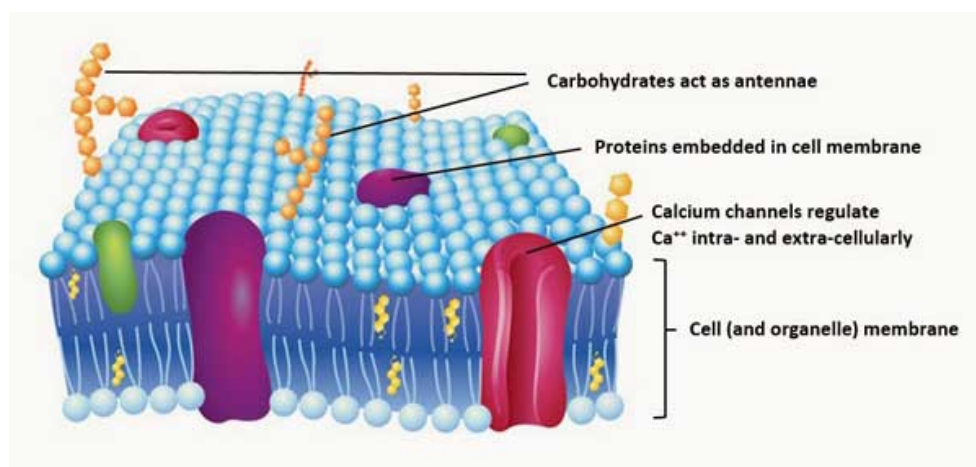
Are these statistics related to the known effects of microwaves? Neurological Deaths of American Adults 55-74 Compared with 20 Western Countries. http://surgicalneurologyint.com/surgicalint_articles/neurological-deaths-of-american-adults-55-74-and-the-over-75s-by-sex-compared-with-20-western-countries-1989-2010-cause-for-concern/

Oxidative Mechanisms of Biological Activity of Low-intensity Radiofrequency Radiation. <http://www.tandfonline.com/doi/pdf/10.3109/15368378.2015.1043557>

According to some authorities, EMR may be a contributing factor to the worldwide Diabetes epidemic. 1 out of 11 Americans now has it. "Type 3 diabetes also may refer to unstable blood sugar levels caused by electrosensitivity to "dirty energy" ... that causes blood

sugar levels to spike, both in people already diagnosed with a form of diabetes and non-diabetics." <http://www.wisegeekhealth.com/what-is-type-3-diabetes.htm>

Electromagnetic Hypersensitivity: Biological Effects of Dirty Electricity with Emphasis on Diabetes and Multiple Sclerosis. <http://www.icems.eu/docs/Havas.pdf>



Voltage-gated Calcium channels may open with exposure to EMR allowing Calcium ions to flood the cell.

Below are three new papers on EMR bio-effects by Prof. Martin L Pall

Microwave Electromagnetic Fields Act by Activating Voltage-gated Calcium Channels: Why the Current International Safety Standards Do Not Predict Biological Hazard. <http://www.electricalpollution.com/documents/Pallmicrow-vgccoheat.pdf>

Microwave Frequency Electromagnetic Fields

(EMFs) Produce Widespread Neuropsychiatric Effects Including Depression. <http://www.sciencedirect.com/science/article/pii/S0891061815000599>

Scientific evidence contradicts findings and assumptions of Canadian Safety Panel 6: Microwaves Act Through Voltage-gated Calcium Channel Activation to Induce Biological Impacts at Non-thermal Levels, Supporting a Paradigm Shift for Microwave/lower frequency Electromagnetic Field Action. <http://electromagnetichealth.org/wp-content/uploads/2015/05/reveh-2015.pdf>

Electro Hypersensitivity (EHS)

The article linked below states, "This malady is growing continuously: starting from 0.06% of the total population in 1985 this category now includes as much as 9-11% of the European population. Its time the so called 'industry experts' move on from the obsolete ICNIRP standards formed in 1998 to a new set of standards globally." New Research Firmly Establishes Cell Phone Radiation as a Carcinogen and a Public Health Hazard. <http://radiationprotectionservices.com/?p=4343>





Industry is loosing its battle to keep a lid on EMR bio-effects. We frequently receive accounts of nosebleeds, headaches, fatigue, heart palpitations, burning sensations, sleeplessness, etc., all claimed to be caused by smart meters or other wireless technologies. Appeals to the corporations involved, politicians or government authorities generally fail to provide any meaningful relief, apart from the bemusement of reading template replies assuring compliance with "government regulations".

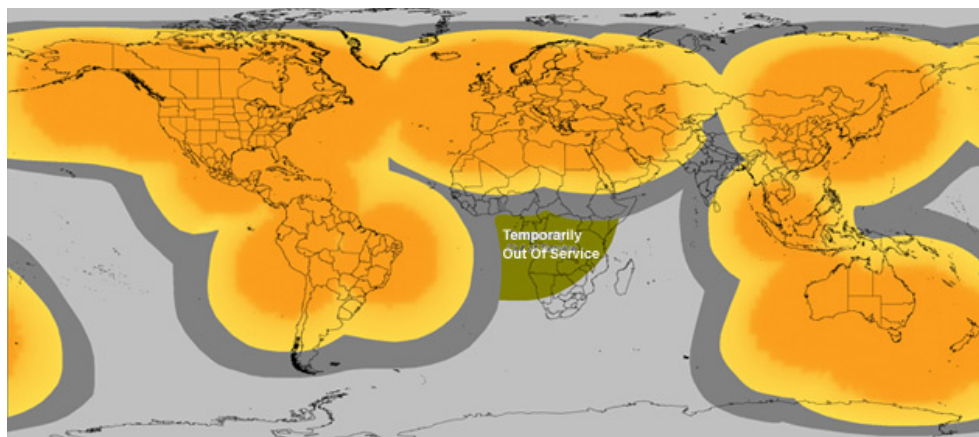
Electro-sensitivity Complaints Increasing in Britain and Wi-Fi Could be Responsible. <http://www.hngn.com/articles/50625/20141124/electro-sensitivity-complaints-increasing-in-britain-and-wifi-could-be-responsible.htm>

"As for now, following simple tips like texting instead of talking, keeping cellphones and gadgets at a distance and not placing cell phones under pillows is the way to go." Can Excessive Use of Wi-Fi Trigger Headaches,

Allergies? <http://timesofindia.indiatimes.com/life-style/health-fitness/health-news/Can-excessive-use-of-Wi-Fi-trigger-headaches-allergies/articleshow/48942982.cms>

Landmark court ruling in France recognises EHS. In a similar British Tribunal case in 2012, the Judge stated that "were it not for EMR the appellant would lead a normal life with little or no functional impairment". EHS Recognised as a Handicap in France. <http://www.talkhealthpartnership.com/blog/2015/08/electrosensitivity-update-ehs-recognised-as-a-handicap-in-france/>

Read the actual judgement here (French). https://groups.google.com/forum/#!topic/electromagnetic_radiation_victims/ZXgdogoqvRg



They have you covered. Typical satellite phone coverage map.

Effects of Global Communication System Radio-frequency Fields on Well Being and Cognitive

Functions of Human Subjects With and Without Subjective Complaints. http://www.salzburg.gv.at/tno-fel_report_03148_definitief.pdf

On Man & His Environment: 23rd Annual International Symposium. Handout for Presentation By Cyril Smith PhD. http://www.emraware.com/documents/electromagnetic_sensitivity_ans.pdf, "Electromagnetic Sensitivity and Chemical Sensitivity". http://www.emraware.com/documents/electromagnetic_sensitivity_chem.pdf

Ex-WHO General Director: Wireless Technology Has Negative health Effects. <http://www.emfacts.com/2015/08/iemfa-notice-ex-who-general-director-wireless-technology-has-negative-health-effects/>

Electromagnetic Hypersensitivity - An Increasing Challenge to the Medical Profession. <http://www.ncbi.nlm.nih.gov/pubmed/26372109?dopt=Abstract>

Emergency Room Physician Discusses Electro Hypersensitivity. <https://www.youtube.com/watch?v=gisvfVeRpr0>

Woman 51 Spends 15 Hours a Day in a Faraday Cage Claims Intolerant Modern Technology. <http://www.dailymail.co.uk/health/>

[article-2236215/Woman-51-spends-15-hours-a-day-a-Faraday-cage-claims-intolerant-modern-technology.html](https://www.theguardian.com/technology/2015/may/15/woman-51-spends-15-hours-a-day-in-a-faraday-cage-claims-intolerant-modern-technology)

Malaysian Mother Describes Her "Allergy" to Wireless Radiation. https://www.youtube.com/watch?v=TG2R-9_nPyw



An online clickable map of world hotels explicitly offering NO Wi-Fi for discerning travellers.

<http://hotels-ohne-wlan.com/en/>

Announcement by Brian Stein of Electrosensitivity UK on the process of securing land for an EHS sanctuary. http://www.emraware.com/documents/esuk_land.pdf

Finding France's Last Coverage-free Zones. https://www.youtube.com/watch?v=gtd-CIf-B5s&feature=player_embedded

Electrosensitivity UK News - August 2015. http://www.emraware.com/documents/esuk_news_august2015.pdf

Draft copy of EHS "safe haven" requirements

formulated by Steve Weller. http://www.emraware.com/documents/safe_haven_weller.pdf

Are you EHS? Why not register with the Australian National Register of Environmental Sensitivities? <https://anres.org/australian-national-register-of-environmental-sensitivities/membership-registration/>. And here is a related survey to complete. <http://boilthefrogradio.com/beatrice-golomb-joins-the-show/>

EHS Study at Wollongong University

Resident psychologist Prof. Rodney Croft will preside over a provocation study to determine if EHS is a self-induced "nocebo" effect caused by fear of EMR. This seemingly disregards the fact that many persons acquire symptoms after a covert form of exposure, and without prior knowledge of associated health effects.



The "no-see-bro" effect, or willful blindness. A self-induced psychiatric disorder caused by fear of the truth.

If you have made an EHS-related complaint to ARPANSA, you could be on their "register" and may receive an invitation to demonstrate that you are tangibly affected by EMR and/or able to sense its presence. Before being tempted to sign on, we strongly urge you read the following documents.

Meet the Research Team. <https://stopsmartmetersau.files.wordpress.com/2015/08/meet-the-research-team3.pdf>

Open Letter to Rodney Croft. http://radiationrefuge.com/Open-letter-to-Rodney-Croft-from-Steve-Weller-news_1_3_1_53

Does Electromagnetic Hypersensitivity Originate from Nocebo Responses? Indications from a Qualitative Study. <http://www.ncbi.nlm.nih.gov/pubmed/26369906?dopt=Abstract>

Having a bet both ways, the "Participant Information Sheet" contains the following self-disqualifier, "It is important to be aware that the results will not be able to absolutely prove that you are/are not sensitive to RF exposure, but will be probabilistic." Anyone wishing to complain about how this study is being run can phone the University's Ethics Officer on (02)

4221 4457.

This recent paper, co-authored by Prof. Olle Johansson, examines the inherent shortcomings of EMR provocation studies. Real Versus Simulated Mobile Phone Exposures in Experimental Studies. <http://dx.doi.org/10.1155/2015/607053>

Letters for Change

Below are five information-packed documents submitted to various public authorities by Steve Weller, Vice President of Stop Smart Meters Australia. Affected by EHS himself, Steve has for the past four years been applying his scientific background to help expose the current EMR cover-up.

Two appeals to Tim Wilson, Australia's new Human Rights Advocate. http://www.emraware.com/documents/weller_to_wilson.pdf, http://www.emraware.com/documents/weller_to_wilson_2.pdf

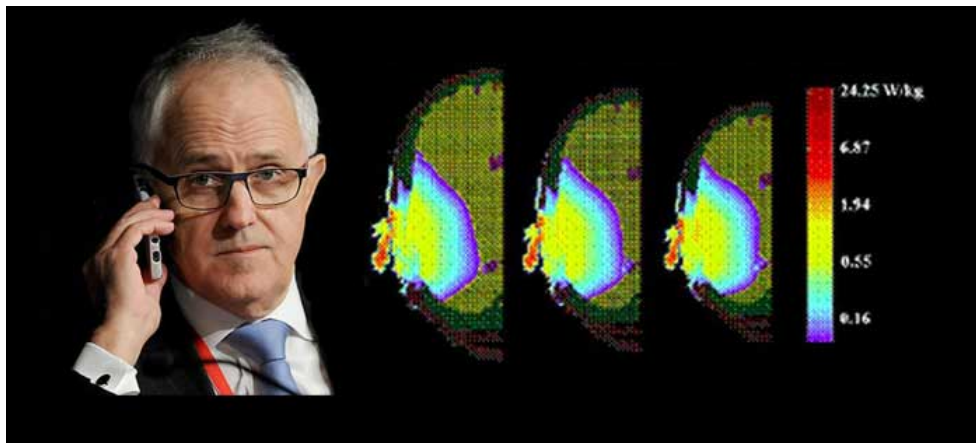
A compilation of firsthand reports by EHS suffers. http://www.emraware.com/documents/ehs_comments_oursay.pdf

To Blake Orr of ARPANSA. http://www.emraware.com/documents/weller_to_blake.pdf, blake.orr@arpansa.gov.au

To the Australian Auditor General. http://www.emraware.com/documents/weller_to_auditor_general.pdf

Safety Standards

Regulations, Bans and Warnings



We need public education on EMR safety. Can someone please tell him?

Awareness Campaign Needed on Cellphone Use, Wi-Fi Radiation Risks amid Conflicting Government Reports. <http://whatsyourtech.ca/2015/07/30/awareness-campaign-needed-on-cellphone-use-wi-fi-radiation-risks-amid-conflicting-government-reports/>

Item 3: "To start an education and awareness campaign that informs about possible health risks". Parliament of South Tyrol Reconfirms Precautionary Principle. <http://kompetenzinitiative.net/KIT/KIT/progress-in-south-tyrol-applying-the-precautionary->

[principle/](#)

How to Approach the Challenge of Minimizing Non-Thermal Health Effects of Microwave Radiation from Electrical Devices - Martin Pall PhD. http://www.emraware.com/documents/mimimising_non-thermal_effects.doc

Lennart Hardell's Blog. Letter to WHO Regarding Brain Tumour Risk Associated with Exposure to Radiofrequency Fields. <https://lennarthardellenglish.wordpress.com/>

If you have been disappointed with ARPANSA's Fact Sheets, here is an alternative version by the International Association of Firefighters. Its members are exposed to RF transmitters on a daily basis and have experienced debilitating effects firsthand. Included is an extensive list of adverse scientific findings our "independent" Australian regulator seems to have missed. <http://www.iaff.org/hs/facts/CellTowerFinal.asp>

Maybe we need more complaints? Tell them what you think. ARPANSA's Electromagnetic Radiation Complaints Register. <http://www.arpansa.gov.au/RadiationProtection/emr/index.cfm>

The warning bells were ringing over 15 years ago. http://www.emraware.com/documents/letter_to_ieee.pdf, http://www.emraware.com/documents/letter_to_stanley.pdf

Accommodation for Environmental Sensitivities: A Legal Perspective. Canadian Human Rights Commission. http://www.chrc-ccdp.ca/sites/default/files/legal_sensitivity_en_1.pdf

Twenty organisations point out flaws in a study widely quoted by industry. Complaint to the European Commission Concerning the 2015 SCENIHR Opinion on Potential Health Effects of Exposure to Electromagnetic Fields. <http://www.iemfa.org/wp-content/pdf/Complaint-to-the-European-Commission-SCENIHR-2015-08-31.pdf>

A comparison of international safety standards and health effects. EMF Guidelines for Radio Frequency and Low Frequency Electromagnetic Radiation. http://www.emraware.com/documents/emr_guidelines.pdf

Commentary, with implied reference to electrosensitivity, on the UN Convention on the Rights of Persons with Disabilities.

Without accessible transport to schools, accessible school buildings, and accessible information and communication, persons with disabilities would not have the opportunity to exercise their right to education (art. 24 of the Convention). Thus schools have to be accessible, as is explicitly indicated in article 9, paragraph 1 (a),

of the Convention.

However, it is the entire process of inclusive education that must be accessible, not just buildings, but all information and communication, including ambient or FM assistive systems, support services and reasonable accommodation in schools. In order to foster accessibility, education as well as the content of school curricula should promote and be conducted in sign language, Braille, alternative script, and augmentative and alternative modes, means and formats of communication and orientation (art. 24, para. 3 (a), with special attention to the appropriate languages and modes and means of communication used by blind, deaf and deaf-blind students. Modes and means of teaching should be accessible and should be conducted in accessible environments. The whole environment of students with disabilities must be designed in a way that fosters inclusion and guarantees their equality in the entire process of their education.

Full implementation of article 24 of the Convention should be considered in conjunction with the other core human

rights instruments as well as the provisions of the Convention against Discrimination in Education of the United Nations Educational, Scientific and Cultural Organisation.



Human rights activism? Mysterious "No Tech-Zone" Sign Appears in San Francisco's Alamo Square. <http://www.nbcbayarea.com/news/local/Mysterious-No-tech-Zone-Sign-Appears-At-San-Franciscos-Alamo-Square-328706341.html>

Industry Watch

Product Defense, Liability and Legal Action

A one-day seminar is to be held **14 December** at the University of NSW, entitled **Wireless Devices: Risk Regulation, Compliance and**

Liability. We might thus assume there are enough industry figures sufficiently worried about getting sued over "harmless" EMR to fill the \$440 seats. <http://www.cle.unsw.edu.au/courses-seminars/2015/08/wireless-devices-risk-regulation-compliance-and-liability>, http://www.cle.unsw.edu.au/sites/all/files/event_file_attachments/15_wireless_devices_a4_1.pdf

Meanwhile, industry groups try to steer a steady course through the wreckage of their diminishing public credibility, as evidenced by the following two publications.

Newsletter of the Australian Mobile Telecommunications Association. <http://www.amta.org.au/newsletters/EME.Update.March.2013?Article=38792>

If There Is a Health Risk of Using Mobiles, It Is Only Small Compared to a Range of Everyday Activities. <http://www.amta.org.au/articles/If.there.is.a.health.risk.of.using.mobiles.it.is.only.small.compared.to.a.range.of.everyday.activities.says.professor>

What Do Insurers Know?

Insurance Companies Won't Cover Cell Phone Brain Tumor Product Liability Lawsuits. <https://www.youtube.com/watch?v=pDeMPeFUmPE&feature=share>

Austrian insurer warns of EMR risks. AUVA Report: Non-thermal Effects Confirmed. Exposure Limits Challenged. Precaution Recommended. http://www.eirewaves.com/media/auva_report.pdf

Swiss Re Will Not Re-insure Mobile Phones for Health Risks. <http://mieuxprevenir.blogspot.ca/2011/12/swiss-re-will-not-re-insure-mobile.html>

Insurance and Liability of Wireless Communication Carriers. <http://www.mainecoalitiontostopsmartmeters.org/wp-content/uploads/2013/04/EV9-Insurability-Liability-Corrected-4-8-13-PUC-464.pdf>

Liability of Public Authorities

Here is a documented presentation on negligence and the Law of Torts. Unlike private persons, public authorities, due to their controlling status, may be deemed to have a special duty of care. http://www.emraware.com/documents/law_torts_negligence.pdf

The following legal commentary concludes in part, "If an authority's failure to exercise a statutory power was so unreasonable that is acted as no reasonable authority could have done, the authority's omission would be actionable where the failure to act has

foreseeably caused harm." Common Law Cause of Action for Statutory Negligence. http://www.foleys.com.au/resources/Translating%20public%20law%20'may'%20into%20Common%20Law%20'ought'_Wotherspoon_31Dec2009.pdf

EMR Countermeasures

Personal Precautions and Monitoring

The corporate mantra for sustained profits is "create a problem, and sell the solution". There are currently about 830,000 mobile phone towers in Australia and over a billion Wi-Fi access points. Now a growing number of rehab centres and resorts worldwide offer upmarket "digital detox" programs. Here is one example. <http://www.binnaburrallodge.com.au/deals-and-packages/accommodation/digital-detox-deal>

But there is no need to make a big deal of it. Simply consult mobile phone coverage maps online, spend a weekend in an area with no reception, and feel what it like to be normal again. <http://opensignal.com/coverage-maps/Australia/>

Top 40 Cell Phone Quotes for Cell Phone Addicts. <http://boilthefrogradio.com/cellphone-quotes-2/>

What Really Happens to Your Brain and Body During a Digital Detox. <http://www.fastcompany.com/3049138/most-creative-people/what-really-happens-to-your-brain-and-body-during-a-digital-detox>



Korean gaming centre. Addiction = escape from the real world.

The Japanese Government estimates over 500,000 teenagers are "addicted to the internet". China now operates about 250 internet addiction "bootcamps" which employ medication, military discipline and electro-encephalography. In South Korea an estimated 2 million are affected, with depression a prevalent symptom. <http://www.abc.net.au/news/2015-09-13/south-korean-children-seek-help-at-digital-detox-boot-camp/6769766>





A new category of consumer product reflects the public's growing desire to cast off the negative health and lifestyle impacts of mobile phone use. Top: corded SmartStation. Bottom: Punkt back-to-basics phone.

Smart Phone Backlash: The Phone That Gives You Your Life Back. <http://www.theguardian.com/artanddesign/2015/sep/22/punkt-mobile-phone-london-design-festival>

We keep telling people. Electromagnetic-shielding Stickers Not Effective: Report. <http://www.koreaobserver.com/electromagnetic-shielding-stickers-not-effective-report-49579/>

Two New EMR Books

Unplug: How to Survive and Thrive in a Wi-Fi

World Gone Wild - by Sam Weider. <http://www.amazon.com/Unplug-Survive-Thrive-Wi-Fi-World/dp/189224103X>

Playing GOD Biological and Spiritual Effects of Electromagnetic Radiation - by Benjamin Nowland. <http://www.vividpublishing.com.au/playinggod/>

General Events & Networking

Devra Davis, author of the book "Disconnect: The Truth About Cell Phone Radiation, What the Industry Has Done to Hide It, and How to Protect Your Family". is scheduled to hold a public talk at the University of Queensland on **27 November** from 12 to 2pm. Here is one of her latest videos, "Cancer Calling". <https://www.youtube.com/watch?v=WHYtb7MWObw>

Science & Wireless 2015 - A seminar organised by the Australian Centre for Electromagnetic Bioeffects Research (ACEBR) **8 December** 4-7pm at the Kaleide Theatre, RMIT University, Melbourne, Australia. A theatre is perhaps the most appropriate venue. Are Prof. Croft et al going to impartially present ALL the data, or simply their interpretive version of "scientific consensus"? <http://www.rmit.edu.au/events/all-events/>

conferences/2015/december/science-and-wireless-2015/, <http://acebr.uow.edu.au/index.html>

Or ... if you are lucky enough to be near Mountain View CA on **10 October** 2015, you might prefer to hear the good reasons why 200 international scientists are calling for safer wireless regulations. Wireless Technology and Public Health: Health and Environmental Hazards in A Wireless World. <https://drive.google.com/file/d/0B14R6QNkmaXudjJZYIJEQ3FDckU/view>

We have tentative word that noted EMR researcher Prof. Darius Leszczynski of the Department of Biosciences, University of Helsinki, Finland will visit Australia in **late November** for approximately two weeks. Plans include presentations to the Media, Scientific Community, and the Public. The newly proposed Oceana Radiofrequency Science Advisory Association has established a fund for persons wishing to donate toward travel expenses. For further details and updates, email [Steve Weller](mailto:Steve.Weller@oceanara.org). You can also join this new organisation for \$20 annually (\$10 student/retired) and support their aims which include public education, promotion of biologically-based EMR research, and updated safety standards for Australia.

Notice:

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



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

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