



EMR Aware

Electromagnetic Radiation - Concerns and Informed Choices

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Newsletter March - April 2016

This free occasional newsletter is published by EMR Aware, a group of concerned citizens based in Northern NSW Australia. It is intended to help provide the latest information on the health, environmental and social impacts of modern electro-technologies. This is done in the public interest to encourage a fair and balanced assessment of the topics at hand. Particular attention is given to content that may not

otherwise be made available or openly acknowledged by industry and their government regulators.

We invite you to consider the mounting evidence and trending expert opinion on this page, and throughout our prior editions. How much more information do the authorities need to urgently adopt more stringent safety standards? There is little doubt a tobacco-style coverup of known adverse effects is presently underway. You can be part of the solution by forwarding a link to this web page to as many concerned persons and organisations as possible. Thank you for visiting.

Mobile and Cordless Phones





And the addicted shall inherit the Earth.

44 Reasons to Believe Cell Phones Can Cause Cancer. <http://www.globalresearch.ca/44-reasons-to-believe-cell-phones-can-cause-cancer/5420118>

Long term Use of Mobile Phones May Be Linked to Cancer. <http://www.telegraph.co.uk/technology/mobile-phones/6420093/Long-term-use-of-mobile-phones-may-be-linked-to-cancer.html>

Brain Tumours Now the Most Frequent Form of Cancer in U.S. Adolescents: Ground-breaking American Study.

Are Worst Fears about Mobile Phones Being Realized? <http://www.preventcancer.org/brain-tumours-now-leading-form-of-cancer-in-adolescents>

Data on Cell Phones and cancer - The Spin Begins. http://www.sciencenews.org/view/generic/id/59262/title/Interphone%E2%80%99s_data_on_cell_phones_and_cancer_The_spin_begins

Mobile Phone Researchers Disagree About Cancer Findings. <http://www.wddty.com/mobile-phone-researchers-disagree-about-cancer-findings.html>

Mobile Phones Are "Cooking" Men's Sperm.

<http://www.telegraph.co.uk/news/health/news/12167957/Mobile-phones-are-cooking-mens-sperm.html>

The Effects of Mobile Phone Electromagnetic Fields on Brain Electrical Activity: A Critical Review. <http://andrewamarino.com/PDFs/CellphoneEMFs-Review.pdf>

Does Short-term Exposure to Mobile Phone radiation Affect the Blood? <http://www.westonaprice.org/modern-diseases/does-short-term-exposure-to-cell-phone-radiation-affect-the-blood/>

A reference of manufacturers safety warnings for various phones. Show Us the Fine Print. <http://www.showthefineprint.org/see-the-fine-print>

Growing Media Exposure

Download this ABC Catalyst TV program: 2016 - Episode 03. Dr Maryanne Demasi takes a closer look at the link between mobile phones and brain cancer and explores whether our wireless devices could be putting our health at risk. Since airing, the reporter and her sources have been subjected to an orchestrated campaign of abuse on the online forums. Someone is obviously very worried about the whole truth getting out. <http://www.abc.net.au/>

[catalyst/vodcast_mp4.xml](#)

Here is the reporter's response at one online venue. Sometimes Asking Questions Provides You With Answers That May Be Uncomfortable. http://www.huffingtonpost.com.au/maryanne-demasi/sometimes-asking-questions-provides-you-with-answers-that-may-be-uncomfortable_b_9267642.html

Dr. Devra Davis appeared on the above program. Here is her lecture at the University of Melbourne December 2015. <http://ehtrust.org/>. The Truth About Mobile Phone and Wireless Radiation. <https://www.youtube.com/watch?v=BwyDCHf5iCY>

Recent TED Talk by Jeremy Johnson. Wireless Wake-up Call. <https://www.emfanalysis.com/tedx-wireless-wake-up-call/>

Mobilize: A Documentary on the Dangers of Cell Phone Usage by Children and Adults. <https://www.youtube.com/watch?v=PaaHf15MjoM&feature=youtu.be>





The trance-formation of America. According to the US National Safety Council, most emergency room visits for falls are now caused by people distracted with their mobile devices.

Instagram Husband. https://www.youtube.com/watch?feature=player_embedded&v=fFzKi-o4rHw

How I Quit My Smartphone Addiction and Really Started Living. <http://www.theguardian.com/technology/2016/feb/11/smartphone-technology-addiction-facebook-twitter>

Gwyneth Paltrow Warns of the Dangers of Cell Phone Use and WiFi Radiation. <http://www.naturalhealth365.com/radiation-wifi-cell-phone-1729.html>

Microwave Towers

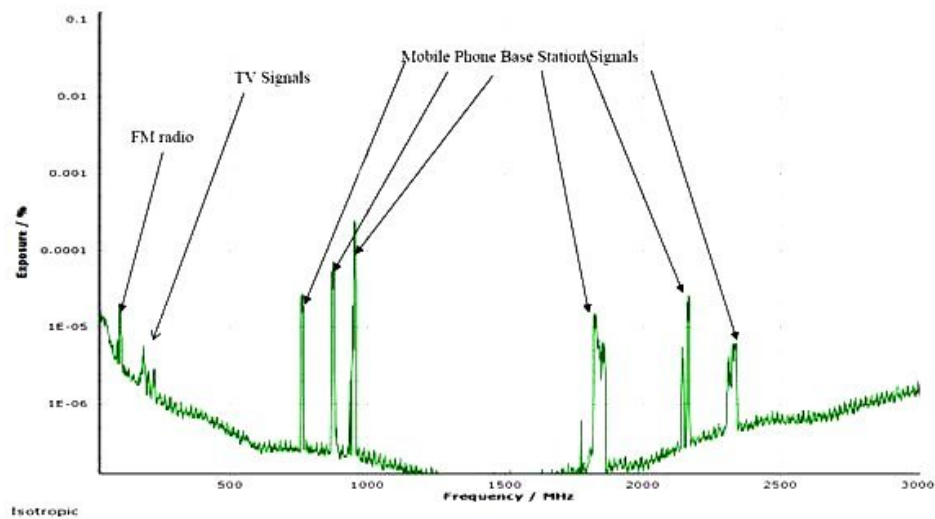
Phone, National Broadband, Emergency Networks, Radio, TV

NSW MP Attacks Telstra Over Mobile Tower Proposal. <http://www.itnews.com.au/news/nsw-mp-attacks-telstra-over-mobile-tower-proposal-357387>

A landmark health-based decision. War on the Phone Masts. <http://www.dailymail.co.uk/>

health/article-29346/War-phone-masts.html

In Australia, section 4 of ACMA code 554-2011 places limitations on locating towers next to schools. Is this guideline being diligently applied in all cases?



Industry reps sometimes use the argument that signal levels from commercial radio and TV exceed that of mobile phone towers. While this may apply in isolated instances, it is not the general rule as indicated by the spectrum plot above of a typical suburb in Sydney.

Settlement Road NBN Tower

Nearby residents have been campaigning to have NBN provide a fibre optic or satellite connection instead of wireless internet. Questions remain unanswered regarding the ability of the proposed tower to service all nearby dwellings, due to the mountainous terrain, or transmit data at the speed claimed.

The landowner who had contemplated hosting the tower recently advised by email that he requested NBN to delete it from the RFNSA website while the aforementioned options are being investigated. Byron Shire Council has confirmed that it will require a Development Application for a tower on that site. It lies within a protected scenic escarpment upon which a telecommunications tower appears not to be a permitted use. While the SEPP takes precedence over the LEP, the former states in Clause 20B(2)(b) that any development must "be permissible, with consent, in the land use zone in which it is carried out".



Typical 30 metre tall NBN wireless internet tower.

Sunshine Coast

Readers in this area of QLD concerned about NBN microwave towers may wish to consider connecting with this well-coordinated group. Their next public meeting is at the Maleny Neighbourhood Centre 10AM to 12PM on 16 March. Agenda items will include an update on existing known NBN sites: Witta, Eudlo, Montville, Bald Knob, Beerwah (objections close 18 March), Glasshouse Mountains (objections close 24 March), Peachester and Conondale, as well as planning for actions relating to new sites: Sinclairs Lane, Witta Road and Burgess Avenue.

The inherent inefficiency of a multi-technology approach. Understanding the NBN: What is the Multi-technology mix? <http://www.pcauthority.com.au/Feature/413232%2Cunderstanding-the-nbn-what-is-the-multi-technology-mix.aspx>

An unprecedented waste of taxpayers' money? Analysis: The Destruction of the NBN. <http://www.pcauthority.com.au/Feature/412733%2Canalysis-the-destruction-of-the-nbn.aspx>

Wi-Fi, Bluetooth

Home, Business, Hotspots

Insightful Israeli newscast: "Invisible Danger" (with English subtitles). <https://www.youtube.com/watch?v=wjk5VSrAySw>

Another successful replication of Wi-Fi affecting plants. Effect of Man-made Electromagnetic Fields on Common Brassicaceae *Lepidium Sativum* (Cress dâ€™Alinois) Seed Germination: A Preliminary Replication Study. <https://elettrosensibili.wordpress.com/2015/12/29/effect-of-man-made-electromagnetic-fields-on-common-brassicaceae-lepidium-sativum-cress-dalinois-seed-germination-a-preliminary-replication-study-efecto-de-campos-magneticos-artificiales/>

Why does industry want to saturate the environment with wireless signals? Perhaps so they can harvest the resulting high levels of EMR to power yet more devices. EnOcean Alliance Brings Battery-Less Communication to an Interoperable Internet of Things at CES 2016. <http://www.marketwired.com/press-release/enOcean-alliance-brings-battery-less-communication-interoperable-internet-things-ces-2085192.htm>

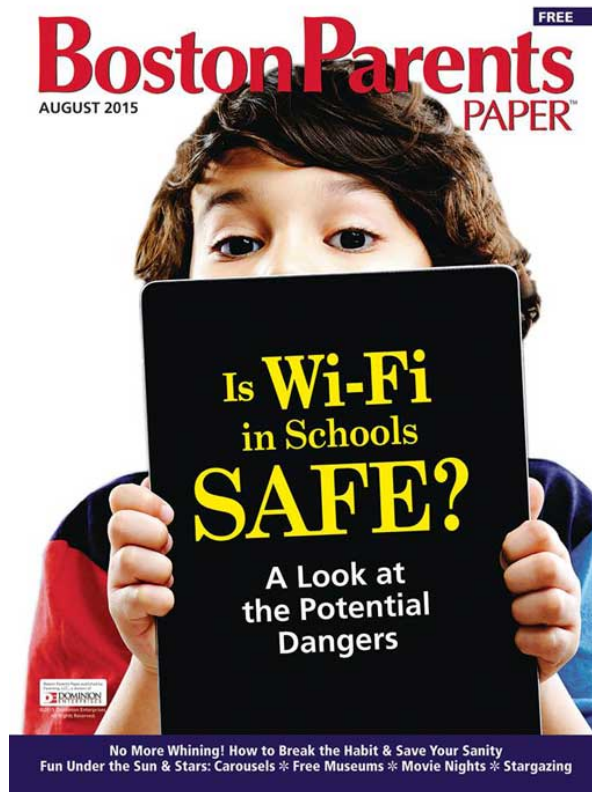
Children and Schools

Public Talk in Mullumbimby

â€‹Presentation by Dr. Priyanka Bandara at

Shearwater Steiner School, Mullumbimby NSW,
22 March 2016 6:30pm, \$10. Education, Health
and Wellbeing of Children in the Wireless Age.

<http://wirelessradiation.weebly.com/>



Massachusetts Public School District Reduces
Wireless Radiation In Schools With Mobile
Device Best Practices. [http://
safetechforschoolsmaryland.blogspot.ca/
2015/12/massachusetts-public-school-
district.html](http://safetechforschoolsmaryland.blogspot.ca/2015/12/massachusetts-public-school-district.html)

Telecom Funded Review on Children and Cell
Phone Radiation Should Be Retracted. [http://
eht.elevadev.org/telecom-funded-review-on-
children-and-cell-phone-radiation-should-be-
retracted-according-to-independent-scientists-
of-the-environmental-health-trust-2/](http://eht.elevadev.org/telecom-funded-review-on-children-and-cell-phone-radiation-should-be-retracted-according-to-independent-scientists-of-the-environmental-health-trust-2/)

"Reduce childrens' exposure to wireless." Advice of The Cyprus National Committee on Environment and Children's Health. <https://www.youtube.com/watch?v=H43IKNjTvRM&feature=youtu.be>

Scientist Tells Schools, Libraries to Ditch Wi-Fi. <http://www.odwyerpr.com/story/public/6405/2016-02-26/scientist-tells-libraries-schools-ditch-wi-fi.html>

FOX 5 News: Parents Concerned About WiFi in MCPS Schools. <http://safetechforschoolsmaryland.blogspot.com.au/2016/02/fox-5-news-parents-concerned-about-wifi.html>

Expert Docs Urge U.S. Secretary of Education: Play It Safe with Kids - Go Wired Not WiFi. <http://www.releasewire.com/press-releases/expert-docs-urge-us-secretary-of-education-play-it-safe-with-kids-go-wired-not-wifi-633283.htm>

Message to Dads About Wireless Exposure. <https://www.youtube.com/watch?v=WcY0uvVmdjQ>

Finnish Education Professors Warning Wireless Technology in Schools May Lead to a Global Epidemic of Brain Damages. <http://www.emfacts.com/2015/12/finnish-education-professors-warning-wireless-technology-in->

[schools-may-lead-to-a-global-epidemic-of-brain-damages/](#)

Wi-Fi Lawsuit Against Southboro's Fay School is Headed to Trial. <http://www.telegram.com/article/20160118/NEWS/160119173>

If you are on Facebook - Autism and EMR group. <https://www.facebook.com/login.php?next=https%3A%2F%2Fwww.facebook.com%2Fgroups%2FAutismEMF%2F>

Smart Grid

Electricity, Water and Gas Meters, AMI, HAN



Notice: Smart Meters Coming to NSW and SA

Judging by revelations from AGL, there will now be a concerted roll-out of smart meters within NSW. However, according to the company's website, and recently posted letters of notification, it is possible to opt out by contacting them prior to 21 March 2016. This number has been provided for further information: 1300 669 245. Here is the AGL opt out page. <https://refer.agl.com.au/forms/digital-metering/>

<https://www.agl.com.au/residential/help-and-support/faqs>.

Q: Can I choose not to get a new meter? And how?

A: Yes. While we think you could benefit from a new digital meter being installed, the choice is yours and you can choose not to.

A Rapid Smart Meter Rollout in NSW and the Greens Support It! <http://www.emfacts.com/2016/03/a-rapid-smart-meter-rollout-in-nsw-and-the-greens-support-it/>

Anyone in NSW or SA who is not serviced by AGL and wishes to refuse a smart meter, may find it timely to submit a formal refusal to the head office of their own electricity provider. Otherwise, installation could proceed based upon the principle of "implied consent". Take the initiative. In certain areas of Sydney, smart meters were reportedly deployed without any

advance notice given to occupants.

Additional to the above, the NSW Solar Bonus Scheme ends in 2016. This means that the 20,000 or so homes participating will be required to install a "net meter". The model most often mentioned is the iCredit 500B, which is a wireless-capable smart meter. Concerned persons might consider taking their solar system off-grid, or seeking advice on alternative meters which do not emit microwaves.

Insurers are beginning to deny homeowners coverage or compensation for damage caused by smart meters. Changes Are Coming to Your Insurance Policy. <http://www.examiner.com/article/changes-are-coming-to-your-insurance-policy>

Stop Smart Meters Australia. <http://stopsmartmeters.com.au>

Stop Smart Meters New Zealand. <http://www.stopsmartmeters.org.nz>





350 wireless parking meters were recently installed throughout the seaside town of Byron Bay NSW. Peak field intensity at a distance of 1 metre was recently measured at 1mW/m². Thanks to two large phone towers and the endless proliferation of Wi-Fi hotspots, background levels of RF within the CBD are now hundreds of times higher than in most nearby residential areas.

Mount Alexander Council Requests Smart Meters Health Safety Guarantee. <http://stopsmartmeters.com.au/2012/08/20/mount-alexander-council-requests-smart-meters-health-safety-guarantee/>

Smart Meters and Public Acceptance:

Comparative Analysis and Governance Implications. <http://www.davidjhess.org/uploads/3/5/1/3/3513369/healthrisksociety.finaldraft.pdf>

B.C. Hydro Must Remove More Than 88,000 Smart Meters. <http://www.theprovince.com/health/hydro+must+remove+faulty+smart+meters/11660282/story.html>

Smart Meters Are a "Costly Mistake" That'll Add Billions to Energy Bills. http://www.theregister.co.uk/2015/03/30/smart_meters_costly_mistake_add_billions_to_energy_bills/. Perhaps the word "mistake" should be replaced with "conspiracy".

A "stakeholders" forum on smart metering was held by Standards Australia in Sydney on 3 March, perhaps to paper over health and billing complaints in preparation for a nationwide grid. Why has our Government charged an industry-friendly NGO to decide what is safe and fair practice? Roadmap for Advanced Metering Standards. <http://www.standards.org.au/Documents/E-1095%20Advanced%20Metering%20invite.pdf>

"Smart" Meters Represent Industrial Profiteering and Government Sanctioned Surveillance, New Study Says. <http://smartgridawareness.org/>

2016/01/11/industrial-profiteering-and-government-sanctioned-surveillance/

The UK plans to roll-out 26,000,000 smart meters by 2020. The push is on. Energy regulator OFGEM reportedly ordered energy supplier E.ON to pay a fine of GBP 7 million for failing to meet a deployment target of 20,000 smart meters to its business customers. Smart Meter Risks in 2016: The Global Rollout Continues. <http://anhinternational.org/2016/01/06/smart-meter-risk-in-2016/>



Members of the Maine Coalition outside the Supreme Court.

After a two year campaign of opposition, the Maine Coalition Against Smart Meters received ruling on 27 January in favour of electricity supplier Central Maine Power and the PUC. In spite of acknowledging evidence of harm from EMR, the Court relied upon FCC regulations, and

invoked a convoluted form of risk assessment stating, "It's one thing to make a finding that evidence is credible regarding potential harm and quite another to find there is a legally credible threat of harm that a credible threat of harm is in fact credible: likely and probable to result in harm." Where vested interests are involved, it apparently all comes down to obscure language not reality. You can read the entire ruling here. http://www.courts.maine.gov/opinions_orders/supreme/lawcourt/2016/16me19fr.pdf

"The electromagnetic radiation standards used by the FCC continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today." - U.S. Dept. of Interior, 2014

Wearable Tech

Biometrics, Implants, Artificial Intelligence

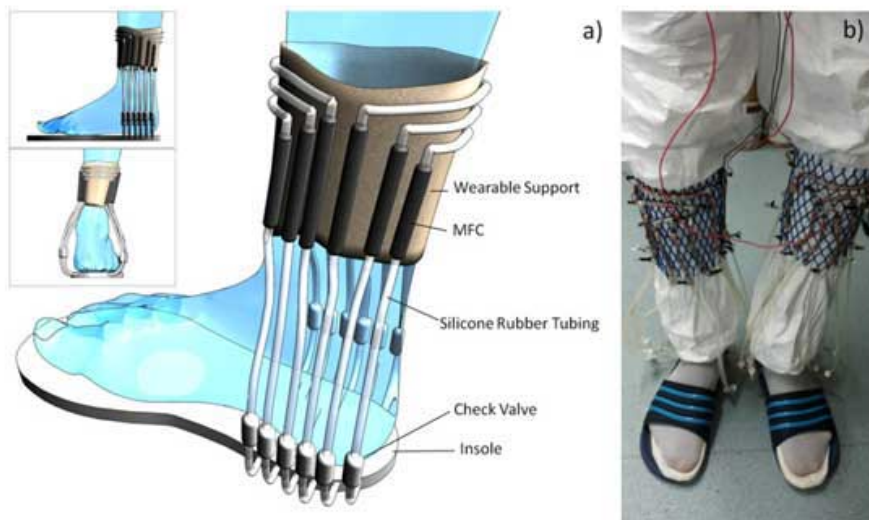




School children holding mobile phones near their head to experience virtual reality.

Google's Global Expeditions Pioneer Program.
Stop Untested Microwave Radiation of Children's Brains and Eyes EHT Scientists Urge Google. <http://ehtrust.org/stop-untested-microwave-radiation-of-childrens-brains-and-eyes-eh-science-urge-google/>

RedTacton Near-body Electric-field Communications Technology and Its Applications. https://www.ntt-review.jp/archive/ntttechnical.php?contents=ntr201003sf1.pdf&mode=show_pdf



A new benchmark in techno-inspired human degradation.

Turning humans into batteries to run electronic profitable gadgets. Self Sufficient Wireless Transmitter Powered by Foot-pumped Urine Operating Wearable MFC. <http://iopscience.iop.org/article/10.1088/1748-3190/11/1/016001/pdf>

Mains Radiation, ELF

Powerlines, Wiring, Appliances

The Gibbs Report, Inquiry into Community Needs and High Voltage Transmission Line Development, was commissioned by the NSW Government and was completed in 1991. In a classic example of doublespeak it concluded, "It has not been established that electric fields or magnetic fields of power frequency are harmful to human health, but since there is some evidence that they may do harm, a policy of prudent avoidance is recommended."

Power-Frequency EMFs Promote Cancer in Massive Animal Study. <http://microwavenews.com/news-center/ramazzini-animal-study>

Life-span Exposure to Sinusoidal-50Hz Magnetic Field and Acute Low-dose Y Radiation Induce Carcinogenic effects in Sprague-Dawley Rats. <http://www.tandfonline.com/doi/abs/10.3109/09553002.2016.1144942?>



A typical Ultrasonic Pest Repeller emits ultrasound and injects signals into household wiring.

Soon to appear in buses, trains, airport lounges, hotels and other places already saturated with microwaves. How "Qi" Wireless Battery Charging Could Help People Ditch the Cords.

<http://www.csmonitor.com/Technology/2015/1216/How-Qi-wireless-battery-charging-could-help-people-ditch-the-cords>

Transport, Aerospace

Motor Vehicles, Aircraft, Satellites





Enjoy your new 100% microwaved planet.

The following list of satellite internet projects was provided by Global Union Against Radiation Deployment From Space (GUARDS). <http://www.stopglobalwifi.org/>

- SpaceX: 4,000 satellites, altitude 390 miles. Testing to begin in 2016.
- OneWeb: 2,400 satellites (648 satellites initially), altitude 500-590 miles. Target start-up date, 2018-2019.
- Facebook: Satellites, drones, and lasers.
- Google: 200,000(?) high altitude balloons (at 62,500 feet) (â€œProject Loonâ€)
- Samsung: 4,600 satellites, altitude 930 miles.
- Iridium Next: 66 satellites, altitude 483 miles. Iridiumâ€™s satellite hotspot, called â€œIridium GO,â€ providing slow speeds, has been available for purchase since January 2014. Launching of the â€œnext generationâ€ (higher speed) satellites is scheduled to begin in October 2015 and to be completed by 2017.
- Globalstar: 24 satellites, altitude 880 miles. Also slow speed, and also already in operation. As an incentive to buy its â€œSat-Fiâ€ access points, Globalstar is offering free satellite phones until September 30, 2015.
- Outernet: 200 nanosatellites (4-inch cubes), altitude 560 miles. Target start-up date, 2019.

Google's "SkyBender" Project Plans to Beam 5G Internet From Solar Drones. <http://mashable.com/2016/01/31/google-skybender/#u6.rpkbiYSqN>

International Coalition Objects to Project Loon. <http://www.bna.com/international-coalition-objects-b57982065969/>

Environment, Wildlife

Impacts of Radio-frequency Electromagnetic Field (RF-EMF) from Cell Phone Towers and Wireless Devices on Biosystem and Ecosystem. <http://www.omicsonline.com/open-access/impacts-of-radiofrequency-electromagnetic-field-rfemf-from-cell-phone-towers-and-wireless-devices-on-biosystem-and-ecosystem-a-review-0974-8369-4-179.pdf?aid=12830>



Can insects or plants be wrong?

Insects

In his 2009 study, Dr. Favre placed cell phones in hives and observed what happened. The bees exposed to ringing or active phones became confused and signaled each other to leave the hive. The effect lasted for 12 hours after the stimulus was removed.

Changes in Honeybee Behaviour and Biology Under the Influence of Cellphone Radiations.

http://www.stralingsarmvlaanderen.org/resources/Ved-Parkash-Sharma_a49823b5aa.pdf

Mobile Phones Responsible for Disappearance of the Honey Bee. <http://www.telegraph.co.uk/news/earth/wildlife/7778401/Mobile-phones-responsible-for-disappearance-of-honey-bee.html>

Electromagnetic Radiation (EMR) Clashes with Honeybees. <http://www.ipublishing.co.in/jesvol1no12010/EIJES2044.pdf>

Mobile Phone-induced Honeybee Worker Piping.

[http://download.springer.com/static/pdf/207/art%253A10.1007%252Fs13592-011-0016-x.pdf?](http://download.springer.com/static/pdf/207/art%253A10.1007%252Fs13592-011-0016-x.pdf?originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs13592-011-0016-x&token2=exp=1453192638~acl=%2Fstatic%2)
[originUrl=http%3A%2F%2Flink.springer.com%2Farticle%2F10.1007%2Fs13592-011-0016-x&token2=exp=1453192638~acl=%2Fstatic%2](http://download.springer.com/static/pdf/207/art%253A10.1007%252Fs13592-011-0016-x&token2=exp=1453192638~acl=%2Fstatic%2)

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5489645e7024dd859450ff9de1ab0e3a86

Ants Can Be Used as Bio-indicators to Reveal
Biological Effects of Electromagnetic Waves
from Some Wireless Apparatus. [http://
www.eloverkanslig.se/pdf/er/myror_2013.pdf](http://www.eloverkanslig.se/pdf/er/myror_2013.pdf)

Plants

Cell Phone Radiation Affects Plants, Vegetables:
Research. [http://www.hindustantimes.com/
india/cell-phone-radiation-affects-plants-
vegetables-research/story-
tWhZEXYsxutPOJN4KqJqpJ.html](http://www.hindustantimes.com/india/cell-phone-radiation-affects-plants-vegetables-research/story-tWhZEXYsxutPOJN4KqJqpJ.html)

High Frequency (900 MHz) Low Amplitude (5 V/
m) Electromagnetic Field: A Genuine
Environmental Stimulus That Affects
Transcription, Translation, Calcium and Energy
Charge in Tomato. [http://
www.ncbi.nlm.nih.gov/pubmed/18026987](http://www.ncbi.nlm.nih.gov/pubmed/18026987)

Adverse Influence of Radio Frequency
Background on Trembling Aspen Seedlings:
Preliminary Observations. [http://
www.hindawi.com/journals/ijfr/2010/836278/](http://www.hindawi.com/journals/ijfr/2010/836278/)

EMF Radiations (1800 MHz)-Inhibited Early

Seedling Growth of Maize (Zea mays) Involves Alterations in Starch and Sucrose Metabolism.

<http://www.ncbi.nlm.nih.gov/pubmed/26277350>

Low-amplitude, High-frequency Electromagnetic Field Exposure Causes Delayed and Reduced Growth in Rosa Hybrida. [http://](http://www.ncbi.nlm.nih.gov/pubmed/26643955)

www.ncbi.nlm.nih.gov/pubmed/26643955

Security

Body Scanners, Surveillance, Non-lethal Weapons

Samsung Warns Customers Not to Discuss Personal Information in Front of Smart TV's.

<http://theweek.com/speedreads/538379/samsung-warns-customers-not-discuss-personal-information-front-smart-tvs>

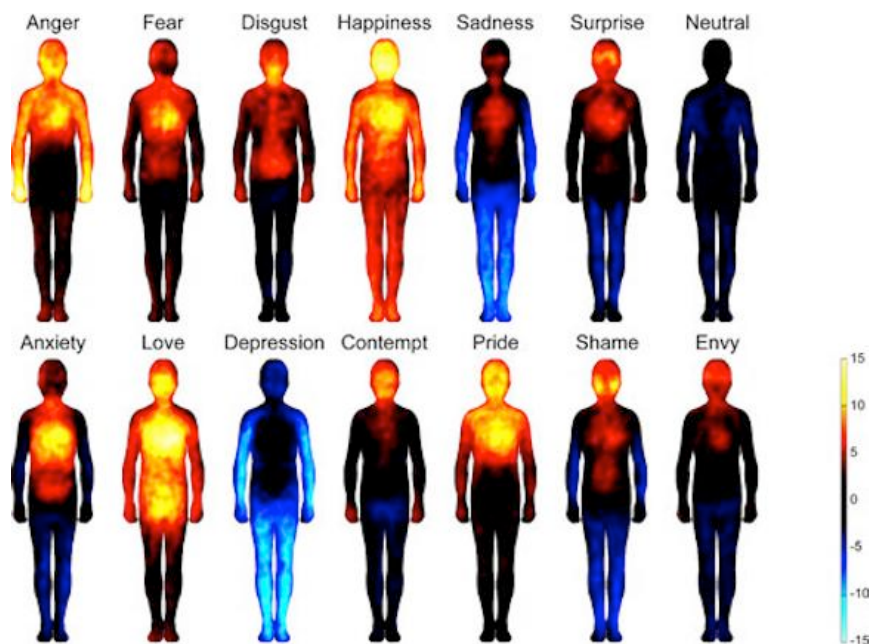
Microchipping of humans is a feared enslavement scenario. But essentially the same thing can be done by microchipping everything we handle. In 20 Years Every Physical Item Will Have a Chip Implanted in It. [http://](http://www.telegraph.co.uk/technology/internet/12050185/Marc-Andreessen-In-20-years-every-physical-item-will-have-a-chip-implanted-in-it.html)

www.telegraph.co.uk/technology/internet/12050185/Marc-Andreessen-In-20-years-every-physical-item-will-have-a-chip-implanted-in-it.html

US Intelligence Chief: We Might Use the

Internet of Things to Spy on You. http://www.theguardian.com/technology/2016/feb/09/internet-of-things-smart-home-devices-government-surveillance-james-clapper?CMP=share_btn_link

How Cities Can Track Your Last 1,000 Locations Through Your Smartphone. <http://www.offthegridnews.com/privacy/how-cities-can-track-your-last-1000-locations-through-your-smartphone/>



Will machines soon monitor your emotional state? Mapping Emotions in the Body Yields Consistent Global Results. <http://www.medicalnewstoday.com/articles/270738.php>

Voice Recognition Software in "Hello Barbie" Doll Concerns Parents, Privacy Groups. <https://www.youtube.com/watch?>

[v=vBIpzik2VsM&feature=youtu.be](https://www.youtube.com/watch?v=vBIpzik2VsM&feature=youtu.be)

Barbie also exudes Wi-Fi radiation, as shown measured here. Hello Barbie's Radiation Exposure to Children From WiFi a Big Concern.

<https://www.youtube.com/watch?v=7jUiMpufpqE>

Light bulbs that listen. Linux Light Bulbs Allow Devices to talk to Each Other. <http://techcrunch.com/2015/09/14/linux-light-bulbs-allow-devices-to-talk-to-each-other-with-flashes-of-brilliance/#.awg8y01:8Y1n>

The perils of LED Streetlights. <http://emfsafetynetwork.org/the-perils-of-led-streetlights/>

Electro-sensitivity (EHS)

Electromagnetic Biological Response

Limbic Kindling: Hard Wiring the Brain for Hypersensitivity and Chronic Fatigue Syndrome. <http://www.cortjohnson.org/blog/2014/05/17/limbic-kindling-hard-wiring-brain-hypersensitives-chronic-fatigue-syndrome/>

Reliable Disease Biomarkers Characterizing and Identifying Electrohypersensitivity and Multiple Chemical Sensitivity as Two Etiopathogenic

Aspects of a Unique Pathological Disorder.

<http://www.ncbi.nlm.nih.gov/pubmed/26613326>

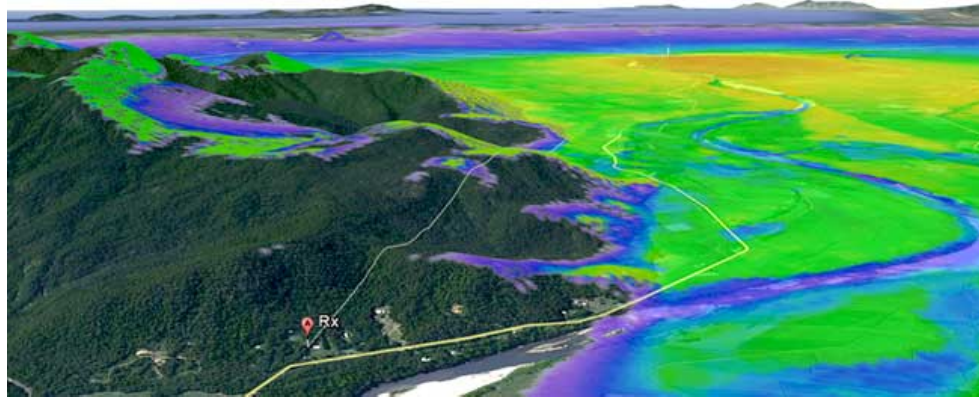
Brian Stein: Electromagnetic Sensitivity - Full

Lecture. <https://www.youtube.com/watch?v=g4DKNs0G2kU&feature=youtu.be>

National Geographic - Taboo EHS High

Frequency Electromagnetic Field Sensitive

People - WiFi GSM. <https://www.youtube.com/watch?v=CKekrESXssM>



Mountains provide natural shielding from RF microwave networks (colour overlay).

Environmental Refugees: Electromagnetic

Hypersensitivity (EHS) Sufferers. [http://](http://www.activistpost.com/2016/01/environmental-refugees-electromagnetic-hypersensitivity-ehs-sufferers.html?utm_source=Activist+Post+Subscribers&utm_medium=email&utm_campaign=8a78bf5cd9-RSS_EMAIL_CAMPAIGN&utm_term=0_b0c7fb76bd-8a78bf5cd9-387745290)

[www.activistpost.com/2016/01/environmental-refugees-electromagnetic-hypersensitivity-ehs-sufferers.html?](http://www.activistpost.com/2016/01/environmental-refugees-electromagnetic-hypersensitivity-ehs-sufferers.html)

[sufferers.html?](http://www.activistpost.com/2016/01/environmental-refugees-electromagnetic-hypersensitivity-ehs-sufferers.html)

[utm_source=Activist+Post+Subscribers&utm_m](http://www.activistpost.com/2016/01/environmental-refugees-electromagnetic-hypersensitivity-ehs-sufferers.html)

[edium=email&utm_campaign=8a78bf5cd9-](http://www.activistpost.com/2016/01/environmental-refugees-electromagnetic-hypersensitivity-ehs-sufferers.html)

[RSS_EMAIL_CAMPAIGN&utm_term=0_b0c7fb76](http://www.activistpost.com/2016/01/environmental-refugees-electromagnetic-hypersensitivity-ehs-sufferers.html)

[bd-8a78bf5cd9-387745290](http://www.activistpost.com/2016/01/environmental-refugees-electromagnetic-hypersensitivity-ehs-sufferers.html)

Do a title search and download this paper, presented at UNESCO Chair in Bioethics 10th World Conference, 6-8 Jan 2015 by Dr. Yael Stein MD, Department of Anesthesiology and Critical Care Medicine Hebrew-University, Hadassah Medical Center, Jerusalem, Israel. "Electrohypersensitive Individuals (EHS) in the Digital World - A Disabled Population, Deprived of Home, Work and Basic Rights."

Prostituting Science: The Psychologisation of MCS, CFS and EHS for Political Gain. <http://vitalitymagazine.com/book-reviews/review/prostituting-science-the-psychologisation-of-mcs-cfs-and-ehs-for-political-/#sthash.m8CGUfFE.dpuf>

Note: EMR Aware does not endorse the terms "Electro-hypersensitivity" or "EHS". They incorrectly imply that the adverse biological effects of EMR are confined to an abnormal segment of the population. This has several prejudicial consequences. By definition, EHS personalises the disorder instead of treating it as the result of environmental toxicity. Sufferers may thus be conveniently denied a reasonable expectation of health. Additional to this, the legal remedy of "private nuisance" is untenable when the Claimant is deemed to be over-sensitive. Such presumptions allow the proponents of electrotechnologies to sidestep the human cost of their agenda.

"It is impossible to prove electrohypersensitivity to be a disease since the sick and ill 'patient' with the 'disease' is the environment, not the person." - Prof. Olle Johansson

Biological Mechanisms



What me worry?

Summary of nearly 1,200 studies which demonstrate adverse effects of EMR exposure.

<http://www.justproveit.net/studies>

The internet information platform EMF-Portal of the RWTH Aachen University summarizes systematically scientific research data on the effects of electromagnetic fields (EMF). Nearly 30,000 scientific papers referenced. EMF Portal.

<http://www.emf-portal.de/?l=e>

Association of Exposure to Radio-Frequency Electromagnetic Field Radiation (RF-EMFR) Generated by Mobile Phone Base Stations with Glycated Hemoglobin (HbA1c) and Risk of Type 2 Diabetes Mellitus. <http://www.mdpi.com/1660-4601/12/11/14519>

Anthropogenic Radio-Frequency Electromagnetic Fields Elicit Neuropathic Pain in an Amputation Model. <http://www.plosone.org/article/ fetchObject.action?uri=info:doi/10.1371/ journal.pone.0144268&representation=PDF>

Historical Perspective

1981 - NASA publication. Electromagnetic Field Interactions with the Human Body: Observed Effects and Theories. <http://ntrs.nasa.gov/ archive/nasa/casi.ntrs.nasa.gov/ 19810017132.pdf>

1994 - US Air Force material Command. Radiofrequency Microwave radiation Biological Effects and Safety Standards: A Review. <http:// www.stopthecrime.net/docs/RF-Microwave- Radiation-Biological- Effects%20Rome%20Labs.pdf>

Neurological Effects

Associations Between Specific Technologies and Adolescent Sleep Quantity, Sleep Quality, and

Parasomnias. <http://www.ncbi.nlm.nih.gov/pubmed/24394730?dopt=Abstract>

Technology Use and Sleep Quality in Preadolescence and Adolescence. <http://www.ncbi.nlm.nih.gov/pubmed/26235161>



Charging bull restrained by radiofrequency stimulated brain implant.

Physical Control of the Mind - Toward a Psychocivilized Society - Dr. Jose Delgado.
<https://www.freedomfchs.com/pdfs/pcofthemindbydrjosed.pdf>



And then he moved on to humans.

"The individual may think that the most important reality is his own existence, but this is only his personal point of view. This lacks historical perspective. Man does not have the right to develop his own mind. This kind of liberal orientation has great appeal. We must electronically control the brain." - Dr. Jose Delgado

Scientists Use Brain Stimulation to "Make You Stop Believing in God".

<http://truthstreammedia.com/2015/10/14/scientists-use-transcranial-magnetic-stimulation-to-make-you-stop-believing-in-god/>

Donate your brain to the phone company. This type of intervention used to be called a medical procedure. Are we being conditioned to accept technology that routinely alters our brain waves? Zap Out of It! \$299 Headband Can Change Your Mood Using Electrical Pulses.

<http://www.dailymail.co.uk/sciencetech/article-3107913/Zap-299-headband-change-mood-using-electrical-pulses.html>

Safety Standards

Regulations, Bans and Warnings



*What two things are wrong with this picture?
Where is the public education?*

Compilation with Information About Measures and Recommendations by International Organisations and Governments About Application of Electromagnetic (EM) Radiation from Wireless Communications (smartphones, WiFi, etc.) <http://www.stopumts.nl/pdf/Compilation-RF-radiation-Jan-2016.pdf>

New York Times' Exposure of CDC's Retraction of Warnings about Cell Phone Radiation. <http://www.saferemr.com/2016/01/new-york-times-expose-of-cdcs.html>

New York Times Looks Behind CDC Reversal on Cell Phone Risks. <http://www.microwavenews.com/short-takes-archive/nyt-cdc#.VogEBvZbzX0.linkedin>

Radiating Corruption? The Frightening Science and Politics of Cell Phone Safety. http://www.theecologist.org/News/news_analysis/

2986953/

[radiating_corruption_the_frightening_science_and_politics_of_cell_phone_safety.html](http://www.courthousenews.com/2016/01/28/judge-lets-berkeley-warn-about-cellphones.htm)

Judge Lets Berkeley Warn About Cellphones.

<http://www.courthousenews.com/2016/01/28/judge-lets-berkeley-warn-about-cellphones.htm>.

Below is the prudent point of sale warning industry group CTIA sought to have quashed. It simply advises phone purchasers to read the manual.

"To assure safety, the Federal Government requires that cell phones meet radio frequency (RF) exposure guidelines. If you carry or use your phone in a pants or shirt pocket or tucked into a bra when the phone is ON and connected to a wireless network, you may exceed the federal guidelines for exposure to RF radiation. Refer to the instructions in your phone or user manual for information about how to use your phone safely."

According to the CA Brain Tumor Association, the CTIA did not successfully defeat a similar law in San Francisco. In fact, the city attorney handling the case coerced the Board of Supervisors to repeal the law. A few weeks later he was made a Federal judge by President Obama. Coincidence?

No room for "precaution" in the corporate sector. NCRP Pressured CDC To Remove Cell Phone Safety Advice. <http://microwavenews.com/news-center/caution-vs-precaution>

Question: When is a fact not a fact? Answer: When they are deleted from ARPANSA's official EMR Fact Sheets. Number 11, entitled "Mobile Phones and Children" contained the following precautionary message. It now seems to have been deleted from their website.

"It is recommended that, due to the lack of any data relating to children and their long term use of mobile phones, parents encourage their children to limit their exposure by reducing call time, by making calls where reception is good, by using hands-free devices or speaker options, or by texting."

Conflict of Interest?

The ACMA determines and enforces "safe" EMR levels for public and occupational exposure. Yet they are funded by selling spectrum allocations to the very telcos and industries they are tasked with regulating. 1800 MHz Band Auction Strong Result Reveals High Demand for Regional Spectrum. <http://acma.gov.au/Industry/Spectrum/Spectrum-projects/1800-MHz-band/1800-mhz-band-auction-strong-result-reveals->

high-demand-for-regional-spectrum

In 2013 they earned a total of nearly 2 billion dollars. <http://www.acma.gov.au/Industry/Spectrum/Digital-Dividend-700MHz-and-25Gz-Auction/Reallocation/digital-dividend-auction-results>

Radiating Corruption? The Frightening Science and Politics of Cell Phone Safety. http://www.theecologist.org/News/news_analysis/2986953/radiating_corruption_the_frightening_science_and_politics_of_cell_phone_safety.html

Industry Watch

Product Defense, Liability and Legal Action

Astroturf and the Manipulation of Media Messages. <https://www.youtube.com/watch?v=-bYAQ-ZZtEU>

The UK's Science Media Centre Model of Science Communication: An Uncensored History. <http://www.emfacts.com/2016/02/the-uks-science-media-centre-model-of-science-communication-an-uncensored-history/>

EMR Countermeasures

Personal Precautions and Monitoring

Digital detox: Australians Seek Out Nature Properties to Overcome Technology Burnout. <http://www.abc.net.au/news/2015-12-19/australians-seek-out-nature-retreats-for-digital-detox/7041902>

Inbuilt feature tells you when your phone is too close to the head. Mobile Device Proximity Sensor Manages RF Exposure While Maintaining Network Connectivity. http://www.edn.com/design/analog/4441005/Mobile-device-proximity-sensor-manages-RF-exposure-while-maintaining-network-connectivity-?_mc=NL_EDN_EDT_EDN_analog_20151217&cid=NL_EDN_EDT_EDN_analog_20151217&elq=fe6ba108b5d404880430d405b3a7818&elqCampaignId=26204&elqaid=29946&elqat=1&elqTrackId=068fa04921544e41b98b287fee5ad5af

EMR Sanctuaries

Due to the increasing number of related inquiries, we are presently compiling a list of not-for-profit EMR retreats or sanctuaries. These are generally soft technology-based communities situated in geographical areas well removed from the commercial power, wireless phone and internet networks. If you know of any such accommodation currently operating, or in the advanced stages of planning, please

email their details to contact@emraware.com. The inclusion of any listing here is for informational purposes only and does not constitute or imply an endorsement. As with any lifestyle change or major investment, the reader is advised to rely upon their own inquiries.

A committed group based in the Brunswick Valley NSW is presently considering a number of options for an EMR free haven. Newsletter and details are available. Ph: 02 66 84 5384.

Etherion Intentional Community near Guyra NSW (1700+ acres). Websites with photos. <http://www.magpiehouse.com.au/EcoVillage.htm>, <http://www.ic.org/directory/etherion-ringing-cedars-intentional-community/>

General Events & Networking

Oceania Radiofrequency Scientific Advisory Association (ORSAA)

This recently formed group of academics and scientists is seeking to provide balanced and fact-based information of the effects of all forms of electromagnetic radiation. They are currently developing a searchable database of peer-reviewed science. A variety of memberships are available for those wishing to share in or support their work. For further information,

email: info@orsaa.org

Visit the new website for Dr. Devra Davis' Environmental Health Trust. Extensive educational material on all aspects of EMR.

<http://eht.elevadev.org/>

Petitions You can Sign

Reduce Microwave Radiation Exposure Limits by a Factor of 100. Reduce Microwave Radiation (Antenna Towers, Wi-Fi, mobile devices)

Exposure Limits by a Factor of 100. https://www.change.org/p/prof-brian-owler-president-australian-medical-association-reduce-microwave-radiation-antenna-tower-exposure-limits-by-a-factor-of-100?recruiter=9152430&utm_campaign=signature_receipt&utm_medium=email&utm_source=share_petition

Stop the proposed Vodafone and Optus Mobile Phone Tower at 92-96 Merthyr Road, New Farm, 160m from Holy Spirit School! https://www.change.org/p/vodafone-and-optus-stop-the-proposed-vodafone-and-optus-mobile-phone-tower-at-92-96-merthyr-road-new-farm-less-than-170m-from-holy-spirit-school?tk=6UuRNAJdWogGGpIUxJy3P4DXCUBdkY3uBjIQTiocKzo&utm_source=petition_update&utm_medium=email

https://www.change.org/p/vodafone-and-optus-stop-the-proposed-vodafone-and-optus-mobile-phone-tower-at-92-96-merthyr-road-new-farm-less-than-170m-from-holy-spirit-school?tk=6UuRNAJdWogGGpIUxJy3P4DXCUBdkY3uBjIQTiocKzo&utm_source=petition_update&utm_medium=email

Free DVD - Read the Science



In response to persons who requested an educational DVD dedicated entirely to peer-reviewed science, we have just released this compilation of over 1200 articles and abstracts in PDF. This should be enough to convince anyone who is skeptical regarding the adverse biological effects of EMR. As part of our service, the DVD is available by request to be posted free of charge to any address within Australia.

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 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 documents, and

exercise in accord with the content of same the utmost due diligence and duty of care.



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