



# EMR Aware

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

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[Measuring EMR](#) | [Networking and Support](#)

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## **Newsletter September - October 2016**

This free occasional newsletter is published by EMR Aware, a group of concerned citizens based in Northern NSW Australia. It is intended to provide up-to-date 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 discussion of the topics at hand. Particular attention is devoted to content that may not

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

We invite readers to consider the scientific evidence and trending opinion on this page, and throughout prior editions of our newsletter. There seems little doubt a tobacco-style cover-up of the adverse effects of EMR is underway by those reliant upon its profitability or surveillance potential. You can help redress this situation by forwarding a link to this web page to as many interested persons, organisations, and social media sites as possible. Anyone wishing to be notified when new issues of our newsletter become available may do so by sending an [email](#) with the word "subscribe" in the subject line.

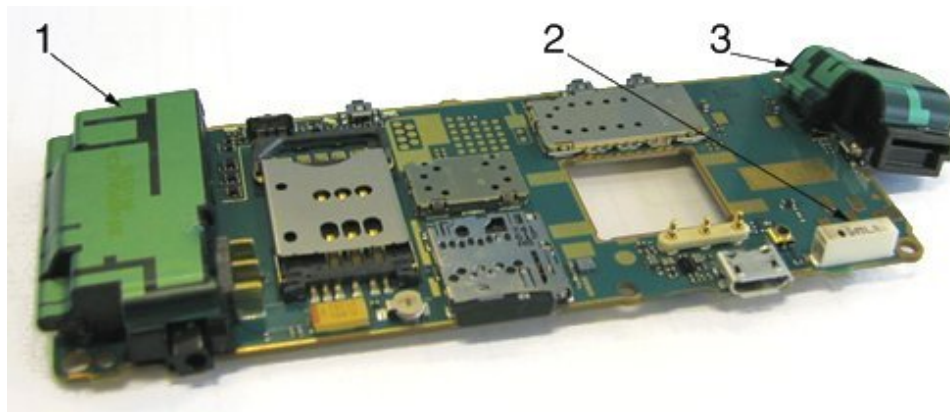
## **Mobile and Cordless Phones**

News Media Nix NTP Phone Cancer Study; "Don't Believe the Hype". Are More People Getting Brain Tumors? GBMs, the Most Virulent Type, Are Rising. <http://microwavenews.com/news-center/ntp-and-brain-tumor-rates>

Latest Radio Frequency Study Adds Credibility to Concerns About Cell Phone Hazards. <http://articles.mercola.com/sites/articles/archive/>

[2016/06/15/cell-phone-radiation-effects.aspx](http://2016/06/15/cell-phone-radiation-effects.aspx)

"Game-changing" Study Links Cellphone Radiation to Cancer. <http://www.motherjones.com/environment/2016/05/federal-study-links-cell-phone-radiation-cancer>

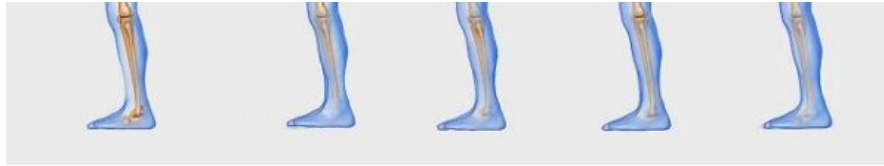


*Designed to radiate. A typical mobile phone contains three types of antenna 1) phone network, 2) Wi-Fi/Bluetooth, and 3) GPS.*

Increasing Incidence of Thyroid Cancer in the Nordic Countries with Main Focus on Swedish Data. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4937579/>

Pulse Modulated 900 MHz Radiation Induces Hypothyroidism and Apoptosis in Thyroid Cells. <http://www.ncbi.nlm.nih.gov/pubmed/20807179>





Text Neck: How Smart Phones Are Damaging Our Spines. <https://www.theguardian.com/lifeandstyle/shortcuts/2014/nov/24/text-neck-how-smartphones-damaging-our-spines>

The Health Argument Against Cell Phones and Cell Phone Towers. <https://www.scribd.com/document/320935636/The-Health-Argument-against-Cell-Phones-and-Cell-Towers>. A full selection of articles by Dr. Ronald Powell on EMR. <https://www.scribd.com/document/291507610/Documents-on-Wireless-Technology-and-Health-by-Ronald-M-Powell-Ph-D>

Blood-Brain Barrier Permeability and Nerve Cell Damage in Rat Brain 14 and 28 Days After Exposure to Microwaves from GSM Mobile Phones. <http://www.tandfonline.com/doi/abs/10.1080/15368370802344037?journalCode=iebm20>

Scientists Cut Their Mobile Phone Use. <http://news.bbc.co.uk/2/hi/health/288245.stm>

## **5G - Money Before Health?**

5G Spectrum Frontiers - The Next Great Unknown Experiment on Our Children. <http://ehtrust.org/policy/fcc-approves-5g-millimeter->



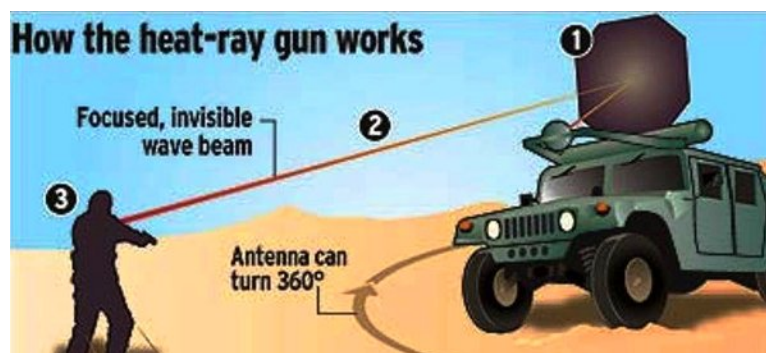
[wave-spectrum-frontiers/](#)

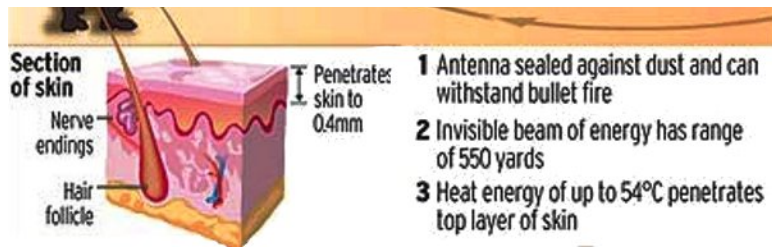
Biological Considerations for Setting Exposure Limits Over 6GHz. [http://emfhealth.info//docs/eng/MMF\\_16\\_06\\_05\\_WorkshopGhent\\_5\\_Ziskin\\_Skin\\_Models%20.pdf](http://emfhealth.info//docs/eng/MMF_16_06_05_WorkshopGhent_5_Ziskin_Skin_Models%20.pdf)

Letter from the California Brain Tumor Association. Wi-Fi Health Advocate Asks FCC to Test 5G Before Rollout. <http://www.odwyerpr.com/story/public/7244/2016-07-14/wi-fi-health-advocate-asks-fcc-test-5g-before-rollout.html>

Research on the susceptibility of skin tissue to millimeter wave radiation. Letter To The FCC From Dr. Yael Stein MD In Opposition To 5G Spectrum Frontiers. <http://ehtrust.org/letter-fcc-dr-yael-stein-md-opposition-5g-spectrum-frontiers/>

A new video by Take Back Your Power. Gestapo in the USA: FCC Intimidates Press and Kills Free Speech at 5G Rollout. <https://takebackyourpower.net/gestapo-in-usa-5g-fcc-intimidates-press-kills-free-speech/>





*Millimetre waves at high intensity is the basis of the skin-deep burning sensation utilised in "active denial" weapons.*

Non-lethal Weapon Active Denial System.

[https://www.youtube.com/watch?](https://www.youtube.com/watch?v=kzG4oEutPbA)

[v=kzG4oEutPbA](https://www.youtube.com/watch?v=kzG4oEutPbA)

## **Microwave Towers**

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

**Coorabell NBN Tower**



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*A typical lattice type microwave tower.*

NBN held a "community consultation" on 8 September for a wireless internet tower at Coorabell Road, Coorabell NSW. They had already obtained a Lease for the proposed site, reportedly assuring the landowner his neighbours would be grateful for the faster internet. This is a 50 metre high, lattice tower designed to support multiple services. If you are a nearby resident who wishes to join the opposition group, send an [email](mailto:) and we will put you in touch. <http://www.rfnsa2.com.au/SiteInformationReports/Index?sid=PU8bX6DY09p8EgbvK8Tm5AG89u1G1aPVf6j9nHWTu7ecaAh5RB&siteID=2479008>

The NBN sometimes claims their towers are a "complying development" and therefore no development application needs to be submitted to local Council. However, if the proposed site has rural or environmental zoning, this is not necessarily the case. This advice from the Environmental Defenders Office can be provided to Council to ensure they are advised of any obligation to require a DA. [http://www.emraware.com/documents/edo\\_advice\\_towers.pdf](http://www.emraware.com/documents/edo_advice_towers.pdf)

NBN Towers Anger Residents and Andrew Wilke. <http://www.smh.com.au/technology/technology-news/nbn-towers-anger-residents->

[and-andrew-wilkie-20120112-1py5q.html](#)

NBN Wireless Towers: What Are the Risks?

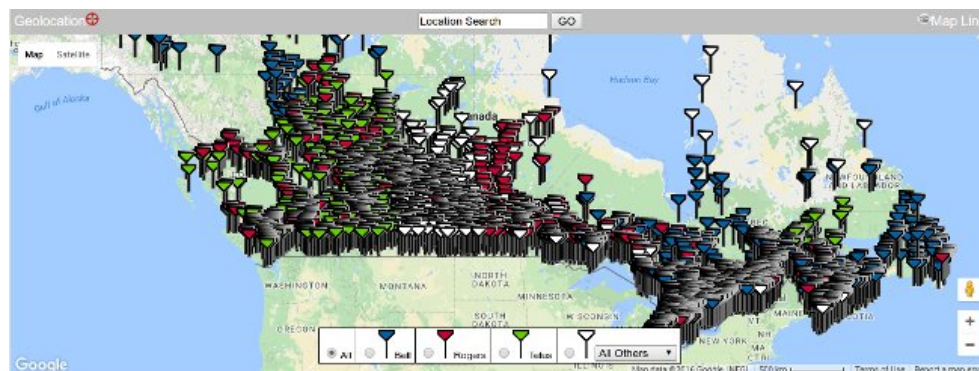
<http://www.svgazette.com.au/nbn-wireless-towers-what-are-the-risks/>

5G Is Coming and It Will Make the National Broadband Network Redundant. <http://www.fool.com.au/2016/01/27/5g-is-coming-and-it-will-make-the-national-broadband-network-redundant/>

## Finding Towers

Too close for comfort? Locating Your Local Tower (Australia). [http://whirlpool.net.au/wiki/homemade\\_yagi\\_pg4](http://whirlpool.net.au/wiki/homemade_yagi_pg4)

Are Cell Phone Towers Near Your Home Dangerous for You? <https://www.youtube.com/watch?v=oM0Ep4bDOaw>

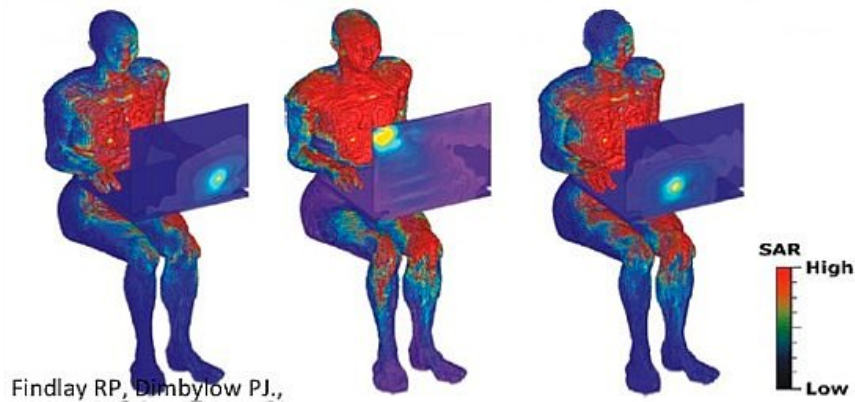


Interactive map of Canadian phone towers.

[http://www.ertyu.org/steven\\_nikkel/cancellsites.html](http://www.ertyu.org/steven_nikkel/cancellsites.html)

# Wi-Fi, Bluetooth

## Home, Business, Hotspots



*Variations in microwave absorption dependent upon where within a laptop the Wi-Fi antenna is situated.*

Renown German screenwriter Werner Herzog has just released a timely film on the social and health impacts of the internet and wireless technologies. Lo and Behold. Reveries on a Connected world. <http://www.loandbeholdfilm.com/trailer>

Google Is on the Way to Blanketing the US in Super-fast Wireless. <http://www.businessinsider.com.au/google-fiber-new-fcc-filing-expanding-wireless-tests-2016-8?r=US&IR=T>

Wi-Fi Electromagnetic Fields Exert Gender Related Alterations in EEG. <http://wifiinschools.org.uk/resources/Maganioti+etal+2010.pdf>

Chronic Non-thermal Exposure of Modulated 2450 MHz Microwave Radiation Alters Thyroid Hormones and Behavior of Male Rats. <http://www.ncbi.nlm.nih.gov/pubmed/18470749>

Wi-Fi Consumer Health and Safety Advice. <http://www.emfacts.com/wifi-flyer/>

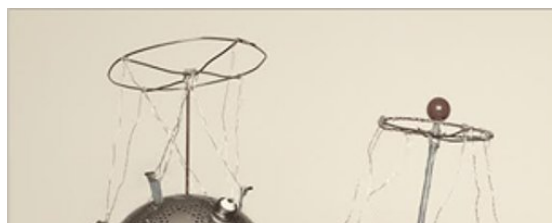
## **Bluetooth Bites**

Is Bluetooth Radiation as Dangerous as Cell Phone Radiation? <https://www.rfsafe.com/bluetooth-radiation-dangerous-cell-phone-radiation/>

On disabling Bluetooth microwaves. How to Check If Your Computer Has Bluetooth. <http://www.wikihow.com/Check-if-Your-Computer-Has-Bluetooth>

Bluetooth replacement? This US patent describes a system for close-range data transfer that utilises "harmless" frequencies just above the audible range. Data Transfer Using Mobile Devices. <http://www.freepatentsonline.com/20150310868.pdf>

## **Children and Schools**





*Premonition of the Wi-Fi (dis)connected learning experience.*

Are Smart Phones Making Our Children Mentally Ill? <http://www.telegraph.co.uk/news/health/children/11486167/Are-smartphones-making-our-children-mentally-ill.html>

It's "Digital Heroin": How Screen Turns Kids into Psychotic Junkies. <http://nypost.com/2016/08/27/its-digital-heroin-how-screens-turn-kids-into-psychotic-junkies/>

Internet Addiction: Neuroscientific Approaches and Therapeutic Interventions. [https://books.google.com.au/books?id=MayBgAAQBAJ&pg=PA68&lpg=PA68&dq=glucose+addiction+metabolism&source=bl&ots=7DNsp5xj-u&sig=Qxix2GIGf9WYWLWsee3ZKwb6G6B0&hl=en&sa=X&ved=0ahUKEwjR\\_\\_Os-630AhWIppQKH Y3SAyo4ChDoAQgnMAI#v=onepage&q=glucose%20addiction%20metabolism&f=false](https://books.google.com.au/books?id=MayBgAAQBAJ&pg=PA68&lpg=PA68&dq=glucose+addiction+metabolism&source=bl&ots=7DNsp5xj-u&sig=Qxix2GIGf9WYWLWsee3ZKwb6G6B0&hl=en&sa=X&ved=0ahUKEwjR__Os-630AhWIppQKH Y3SAyo4ChDoAQgnMAI#v=onepage&q=glucose%20addiction%20metabolism&f=false)

I Spend Half My Day Cleaning Up Social Media



Disasters Of Young Teens. <http://www.huffingtonpost.com.au/siobhan-moore/i-spend-half-my-day-cleaning-up-social-media-disasters-of-young/>



*Cardboard phone holders that simulate 3D "virtual reality" are being distributed by Google to schools.*

Schools are reportedly required to sign a health waiver. The Best Educational VR Apps for the Google Cardboard. <https://unimersiv.com/the-best-educational-vr-apps-for-the-google-cardboard-36/>

Letters To the Montgomery County Public School District on Wi-Fi Health Risk by Scientists, Doctors and Researchers. <http://safetechforschoolsmaryland.blogspot.com.au/2016/08/letters-to-montgomery-county-public.html>

Could Microwaves Be Associated with Childrens' Asthma? <http://healthland.time.com/>

2011/08/02/microwaves-and-asthma-exposure-to-magnetic-fields-during-pregnancy-ups-asthma-risk-among-newborns/

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

Will our Green Party in Australia now adopt a similar stance? "We Should Not Be Subjecting Children's Brains to Wi-Fi in Schools. It's Not OK" - Jill Stein (Greens US Presidential Candidate). <https://www.youtube.com/watch?v=IGQjaSJP2Xg>

Moms Who Care. <http://momswhocare.ca/>.  
"Mobile phones emit radiofrequencies that have been classified as 'possible carcinogens' by the World Health Organization." <https://www.facebook.com/MomsWhoCareCanada>

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





Dangerous fun with radiation and the wisdom of hindsight. Gilbert's U-238 Atomic Energy Lab (1950-1951). <http://www.ornl.gov/ptp/collection/atomic toys/GilbertU238Lab.htm>

## Smart Grid

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

According to Origin Energy, customers will be asked in advance if they want a smart meter. Their "company policy" asserts that only a resident account holder can refuse, and not the property owner per se. However, in spite of prolonged correspondence, Origin has failed to provide us with any legal basis that allows them to over-ride the Freehold rights of the actual Title holder. Anyone in NSW, or other States where a "consumer-driven rollout is in process, may want to clarify this point for themselves before accepting a meter against their wishes.

Recent well crafted submission by [Stop Smart Meters Australia](https://www.stop-smart-meters.com.au/) to Standards Australia. [https://](https://www.stop-smart-meters.com.au/)

[stopsmartmetersau.files.wordpress.com/  
2016/08/submission-from-ssma-to-standards-  
australia-8-august-2016.pdf](http://stopsmartmetersau.files.wordpress.com/2016/08/submission-from-ssma-to-standards-australia-8-august-2016.pdf)

Testimonies in Maine Supreme Court Case from persons claiming to have been injured by smart meters. [http://](http://www.mainecoalitionstopsmartmeters.org/wp-content/uploads/2013/01/Exhibit-11-Hart-Web.pdf)

[www.mainecoalitionstopsmartmeters.org/wp-  
content/uploads/2013/01/Exhibit-11-Hart-  
Web.pdf?](http://www.mainecoalitionstopsmartmeters.org/wp-content/uploads/2013/01/Exhibit-11-Hart-Web.pdf)

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823a0dc1cb&source=email-august-2016-stop-  
smart-meters-  
bulletin&email\\_referrer=august-2016-stop-  
smart-meters-  
bulletin&email\\_subject=august-2016-stop-  
smart-meters-bulletin](http://www.mainecoalitionstopsmartmeters.org/wp-content/uploads/2013/01/Exhibit-11-Hart-Web.pdf?link_id=13&can_id=664231854226259c87104e823a0dc1cb&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin)

Police obtain smart meter data without warrant. Smart Meter Data at Crux of Arkansas Murder Case. [http://stopsmartmeters.org/2016/08/26/  
smart-meter-data-at-crux-of-arkansas-murder-  
case/?](http://stopsmartmeters.org/2016/08/26/smart-meter-data-at-crux-of-arkansas-murder-case/)

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23a0dc1cb&source=email-august-2016-stop-  
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smart-meters-  
bulletin&email\\_subject=august-2016-stop-  
smart-meters-bulletin](http://stopsmartmeters.org/2016/08/26/smart-meter-data-at-crux-of-arkansas-murder-case/?link_id=9&can_id=664231854226259c87104e823a0dc1cb&source=email-august-2016-stop-smart-meters-bulletin&email_referrer=august-2016-stop-smart-meters-bulletin&email_subject=august-2016-stop-smart-meters-bulletin)

Rash of Smart Meter Fires Spark Investigation (Kansas City, MO). <https://www.youtube.com/>

[watch?v=yV\\_cHlxKoIE](#)

Smart Meter Questions, Assembled by Stop Smart Meters Australia. [http://www.emraware.com/documents/smart\\_meter\\_questions.pdf](http://www.emraware.com/documents/smart_meter_questions.pdf)

Have questions about stopping smart meters or other wireless technologies in your community? Stop Smart Meters (USA) has opened a domestic toll free hotline (888) 965-6435.

## **Wearable Tech**

### **Biometrics, Implants, Artificial Intelligence**

Skin implants stamp you with "a unique identification number". Australians Embracing Super-human Microchip Technology. <http://www.news.com.au/technology/gadgets/wearables/australians-embracing-superhuman-microchip-technology/news-story/536a08003cb07cba23336f83278a5003>

Australia Becomes First Country to Begin Microchipping Its Public. <http://tapnewswire.com/2016/08/are-australians-dumb-enough-to-fall-for-this/>

Shanti Korporaal Getting Chipped. <https://www.youtube.com/watch?v=cUQbh7Rj8Ug>

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## **Thanks for the Memories**

Scientists Already Know How to Erase Your Painful Memories ... and Add New Ones. <http://www.sciencealert.com/scientists-have-figured-out-how-to-to-erase-your-painful-memories>

MIT Scientists Implant a False Memory into a Mouse's Brain. [https://www.washingtonpost.com/national/health-science/inception-mit-scientists-implant-a-false-memory-into-a-mouses-brain/2013/07/25/47bdee7a-f49a-11e2-a2f1-a7acf9bd5d3a\\_story.html](https://www.washingtonpost.com/national/health-science/inception-mit-scientists-implant-a-false-memory-into-a-mouses-brain/2013/07/25/47bdee7a-f49a-11e2-a2f1-a7acf9bd5d3a_story.html)

During evoked recall, the neural network associated with any memory can be isolated and "erased" with ultrasound. Sonogenetics Is a Non-invasive Approach to Activating Neurons in *Caenorhabditis Elegans*. <http://www.nature.com/articles/ncomms9264>

Controlling Brain Cells with Sound Waves. <https://www.sciencedaily.com/releases/2015/09/150915135412.htm>

Disruption of the Right Temporoparietal Junction with Transcranial Magnetic Stimulation Reduces the Role of Beliefs in Moral Judgments. <http://www.pnas.org/content/107/15/6753.full.pdf>

## **Mains Radiation, ELF**

### **Powerlines, Wiring, Appliances**

Is "Dirty Electricity" Making You Sick? <http://www.prevention.com/health/healthy-living/electromagnetic-fields-and-your-health>

"Chronic exposure to extremely low frequency electric fields could affect several key steps of mitosis and neuronal cell physiology, resulting in an increased risk for cancer." Electric Fields Generated by Synchronized Oscillations of Microtubules, Centrosomes and Chromosomes Regulate the Dynamics of Mitosis and Meiosis. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3503562/pdf/1742-4682-9-26.pdf>

Extremely Low Frequency Electromagnetic Field Exposure Promotes Differentiation of Pituitary Corticotrope-derived AtT20 D16V Cells. <http://onlinelibrary.wiley.com/doi/10.1002/bem.20255/abstract>

## **Transport, Aerospace**

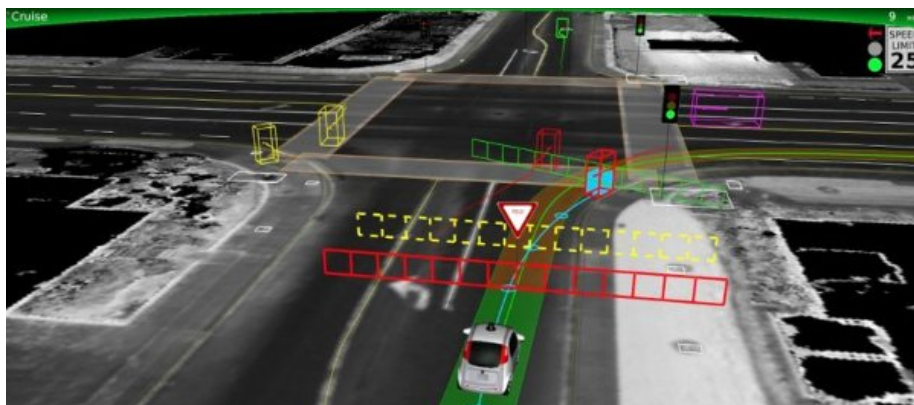


## Motor Vehicles, Aircraft, Satellites

Good information here, but consider sitting in end rows against a window for minimum Wi-Fi exposure. Wi-Fi Radiation in Planes. What You Need to Know to Fly Low EMF. <http://www.electricsense.com/11622/wifi-radiation-planes-fly-low-emf/>



Beginning of the end for electro-polluting communications? China Launches the First Quantum Communications Satellite – And What Is That, Exactly? <https://techcrunch.com/2016/08/16/china-launches-the-first-quantum-communications-satellite-and-what-is-that-exactly/>



Tesla Car on Autopilot Crashes in Beijing. <http://www.abc.net.au/news/2016-08-10/tesla-car-on-autopilot-mode-crashes-in-beijing/7718294?section=technology>

Earthing on the Road - Can you Ground Yourself in a Car or Truck? <http://www.earthinginstitute.net/?p=1941>

## Environment, Wildlife



*Stunted growth exhibited by plants irrigated with microwaved water.*

Radiofrequency Radiation Injures Trees Around Mobile Phone Base Stations. <http://www.ncbi.nlm.nih.gov/pubmed/27552133?dopt=Abstract>

Plant Responses to High Frequency Electromagnetic Fields. <http://www.hindawi.com/journals/bmri/2016/1830262/>

Microwave Irradiation Affects Gene Expression in Plants. [http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2633881/pdf/psb0102\\_0067.pdf](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2633881/pdf/psb0102_0067.pdf)

Effect of Mobile Phone Radiations on Morphological and Biochemical Parameters of Mung Bean (*Vigna radiata*) and Wheat (*Triticum aestivum*) Seedlings. <http://maxwellsci.com/print/ajas/v4-149-152.pdf>

Plant Responses to High Frequency Electromagnetic Fields. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4769733/>

The Incidence of Electromagnetic Pollution on the Amphibian Decline: Is This an Important Piece of the Puzzle? [http://www.avaate.org/IMG/pdf/TEC\\_Balmori.\\_Amphibian.pdf](http://www.avaate.org/IMG/pdf/TEC_Balmori._Amphibian.pdf)

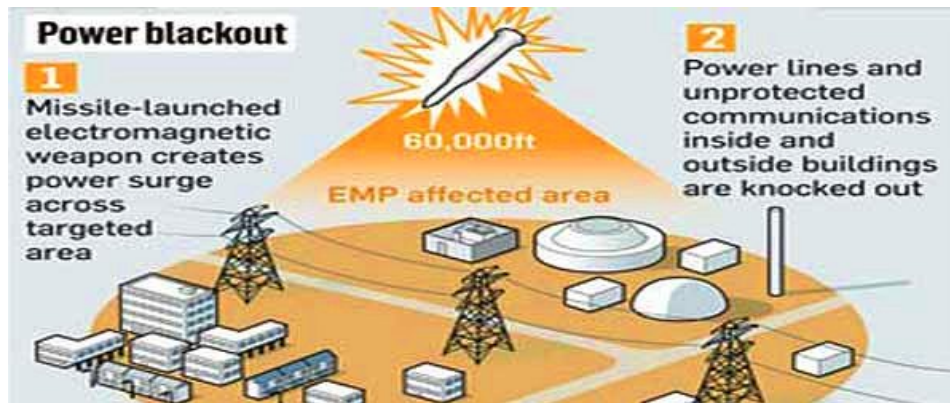
## **Security**

### **Body Scanners, Surveillance, Non-lethal Weapons**

Wonder Weapons - The Pentagon's Quest for Non-lethal Arms Is Amazing. But Is It Smart? <http://www.cognitiveliberty.org/issues/Nonlethal%20weapons.html>

Electromagnetic Weapons of Russia. <https://www.youtube.com/watch?v=Bx5VJ12QVxA>

This Russian article (right click on page to translate) describes pilotless drones capable of firing EM weapons. Vladimir Mikheev: Fighter 6th Generation Equipped with Electromagnetic Guns. <http://tass.ru/opinions/interviews/3440871>



The Achilles heel of electro-technology. The Electromagnetic Bomb - A Weapon of Electrical Mass Destruction. <http://www.ausairpower.net/ASPC-E-Bomb-Mirror.html>

## Next Generation Scanners

New 360 Degree Scanner Could Cut Airport Queues. <https://www.youtube.com/watch?v=K7KtT9ICa0o>



*Scanning lasers can identify every molecule in*

*your body at a distance of over 50 metres.*

We know what you had for breakfast.

Department of Homeland Security Testing  
Molecular Scanner. [https://www.youtube.com/  
watch?v=qotZBwU0ak4](https://www.youtube.com/watch?v=qotZBwU0ak4)

A comprehensive legal perspective, since similar  
devices may soon be widespread in public  
places. Power and Responsibility: Fourth  
Amendment Limits on the Use of Molecular  
Scanners. [http://scholarship.law.wm.edu/cgi/  
viewcontent.cgi?article=1669&context=wmborj](http://scholarship.law.wm.edu/cgi/viewcontent.cgi?article=1669&context=wmborj)

## **Electro-sensitivity (EHS)**

The Hidden Marginalization of Persons with  
Environmental Sensitivities. [http://  
online.liebertpub.com/doi/abs/10.1089/eco.  
2016.0003?journalCode=eco](http://online.liebertpub.com/doi/abs/10.1089/eco.2016.0003?journalCode=eco)

Electromagnetic Field Reduction Restores Health  
of Electrosensitive  
People. [http://www.hugoschooneveld.nl/  
pdf\\_bestanden/pdf\\_overige\\_publicaties/  
Does\\_EMF\\_reduction\\_help\\_electro\\_sensitive\\_pe  
ople.pdf](http://www.hugoschooneveld.nl/pdf_bestanden/pdf_overige_publicaties/Does_EMF_reduction_help_electro_sensitive_people.pdf)

EUROPAEM EMF Guideline 2016 for the  
Prevention, Diagnosis and Treatment of EMF-  
related Health Problems and Illnesses. [http://  
www.degruyter.com/downloadpdf/j/](http://www.degruyter.com/downloadpdf/j/)

[reveh.ahead-of-print/reveh-2016-0011/reveh-2016-0011.xml](http://reveh.ahead-of-print/reveh-2016-0011/reveh-2016-0011.xml)

A Story of EHS and Accepting Loss. <https://beingelectrosensitive.blogspot.com.au/2016/08/a-story-of-ehs-and-accepting-loss.html>

Reported Functional Impairments of Electrohypersensitive Japanese. [http://www.pathophysiologyjournal.com/article/S0928-4680\(12\)00044-2/pdf](http://www.pathophysiologyjournal.com/article/S0928-4680(12)00044-2/pdf)

Disabled by EHS? Regulations Broaden Who's Covered Under ADA. <https://www.disabilityscoop.com/2016/08/16/regulations-broaden-covered-ada/22632/>

What is an EMF Refugee? <https://www.emfanalysis.com/emf-refugee/>

Refugium: Wi-Fi Exiles and the Coming Electrop plague. List of Sanctuaries. <https://electrop plague.com/sanctuaries/>

Well established EHS refuge zone in Drome France. [http://www.next-up.org/NewsOfTheWorld/EHS\\_Refuge\\_Zone.php#1](http://www.next-up.org/NewsOfTheWorld/EHS_Refuge_Zone.php#1)

Steve Tyler, of the Gin Tub, blames social media for "killing pubs". British Bar Installs Faraday Cage to Block All Phone Signals. <http://www.geek.com/mobile/british-bar-installs-faraday-cage-to-block-all-phone-signals-1664472/>



Cafe Thrives Without Wi-Fi. <https://www.emfanalysis.com/cafe-thrives-without-wifi/>

## **Biological Mechanisms**

A new video by Dr. Erica Mallery-Blythe.  
Electromagnetic Radiation: A Modern Health Hazard? [https://www.youtube.com/watch?v=H\\_HdfHvD3Yg](https://www.youtube.com/watch?v=H_HdfHvD3Yg)

Observed way back in 1959. Radio Waves Found to Affect Cell Behavior. [http://www.emraware.com/documents/radio\\_waves\\_cell\\_behavior.pdf](http://www.emraware.com/documents/radio_waves_cell_behavior.pdf)

Glioma Proliferation Modulated in Vitro by Isothermal Radiofrequency Radiation Exposure. <http://www.rrjournal.org/doi/abs/10.2307/3577561?=&>

Live Blood and Electrosmog. <https://www.youtube.com/watch?v=L7E36zGHxRw>

Electromagnetic Fields Instantaneously Modulate Nitric Oxide Signaling in Challenged Biological Systems. <http://www.sciencedirect.com/science/article/pii/S0006291X12015975>

"The modulatory effect of microwaves ... similar to the effect of strychnine and probably related to enhanced excitability of brain structures and complication of bioelectric processes." Effects of



Microwave Radiation and Strychnine on Cerebral Biopotentials in Narcotized Rats. <http://www.ncbi.nlm.nih.gov/pubmed/11177257>

How Does Exposure to Base Stations and Mobile Phones Affect Human Hormone Profiles? [http://avaate.org/IMG/pdf/Eskander\\_et\\_al\\_2011.pdf](http://avaate.org/IMG/pdf/Eskander_et_al_2011.pdf)

Interview with the Director of the National Institute on Drug Abuse. Dr. Nora Volkow to Discuss JAMA Paper, "Effects of Cell Phone Radiofrequency Signal Exposure on Brain Glucose Metabolism". <https://www.drugabuse.gov/news-events/podcasts/2011/02/dr-nora-volkow-to-discuss-jama-paper-effects-cell-phone-radiofrequency-signal-exposure-brain-glucose>

Abnormal Glucose levels linked to rapid cancer growth. Causes and Consequences of Increased Glucose Metabolism of Cancers. [http://jnm.snmjournals.org/content/49/Suppl\\_2/24S.full](http://jnm.snmjournals.org/content/49/Suppl_2/24S.full)

## **Neurological Effects**

### **Getting Inside Your Head**





Dr. Eleanor Adair as quoted in the 16 January 2001 edition of the New York Times regarding microwave research on monkeys. *"If we finished an experiment and went on to something else and had to use a different set of animals for the next microwave experiment, the animals that were taken out of the microwaves would sort of pine away. It was as though they were saying, 'Come on. It's about time to go back in the box.'"*

Studies on electromagnetic impairment of cognition and brain function. The Work of Leif Salford. [http://www.cellphonetaskforce.org/?page\\_id=579](http://www.cellphonetaskforce.org/?page_id=579)

A Survey Study on Some Neurological Symptoms and Sensations Experienced by Long Term Users of Mobile Phones. <http://www.hasanbalik.com/yayinlar/a/6.pdf>





Another phone-induced behavioural affliction. Is "Extreme Phone-pinching" the Most Senseless Internet Trend Ever? <http://www.dailymail.co.uk/news/article-3266148/Is-Extreme-Phone-pinching-senseless-Internet-trend-People-hold-smartphones-dangerous-locations-just-finger-thumb-does-not-end-well.html>

Prevalence of Headache among Handheld Cellular Telephone Users in Singapore: A Community Study. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1240163/pdf/ehp0108-001059.pdf>

Clinical Features of Headache Associated with Mobile Phone Use: A Cross-sectional Study in University Students. <http://bmcneurol.biomedcentral.com/articles/10.1186/1471-2377-11-115>

Microwave Frequency Electromagnetic Fields (EMFs) Produce Widespread Neuropsychiatric Effects Including Depression. [http://ac.els-cdn.com/S0891061815000599/1-s2.0-S0891061815000599-main.pdf?\\_tid=51ff4fda-6271-11e6-97c4-00000aab0f02&acdnat=1471215132\\_c9ea43a37c286432e4c21d697718a002](http://ac.els-cdn.com/S0891061815000599/1-s2.0-S0891061815000599-main.pdf?_tid=51ff4fda-6271-11e6-97c4-00000aab0f02&acdnat=1471215132_c9ea43a37c286432e4c21d697718a002)

"The results showed that the time of using handset was positively associated with depression, nausea, and loss of appetite." Effects of Electromagnetic Radiation from Cellular Telephone Handsets on Symptoms of Neurasthenia. <http://www.ncbi.nlm.nih.gov/pubmed/12520956>

## **Programming the Mind**



The Effect of Microwaves on the Bioelectric Brain Activity. <http://www.ncbi.nlm.nih.gov/pubmed/12449823>

Electromagnetic and Informational Weapons: The Remote Manipulation of the Human Brain. <http://www.globalresearch.ca/electromagnetic-and-informational-weapons-the-remote-manipulation-of-the-human-brain-2/5458103>

"The subjects exhibited high scores on the subscales of somatization, obsession-compulsion, paranoid states and sleeping disturbances." Evaluation of Psychologic

Parameters in People Occupationally Exposed to Radiofrequencies and Microwave. <http://www.tandfonline.com/doi/pdf/10.1080/13102818.1994.10818812?needAccess=true>

Low Power Radio-frequency and Microwave Effects on Human Electroencephalogram and Behavior. <http://www.ncbi.nlm.nih.gov/pubmed/751078>

On extrasensory information transfer. "The human head can serve as a lossy resonator for the electromagnetic radiation emitted by the cellular telephone, absorbing much of the energy specifically from these wavelengths. Brain cells and tissues demodulate the cell-phone's audio frequencies from the radio frequency carrier. Low audio frequencies in the ranges of alpha and beta waves affect these waves and thereby influence brain function." Cellular Telephones and Effects on the Brain: The Head as an Antenna and Brain Tissue as a Radio Receiver. <http://www.ncbi.nlm.nih.gov/pubmed/12445512>

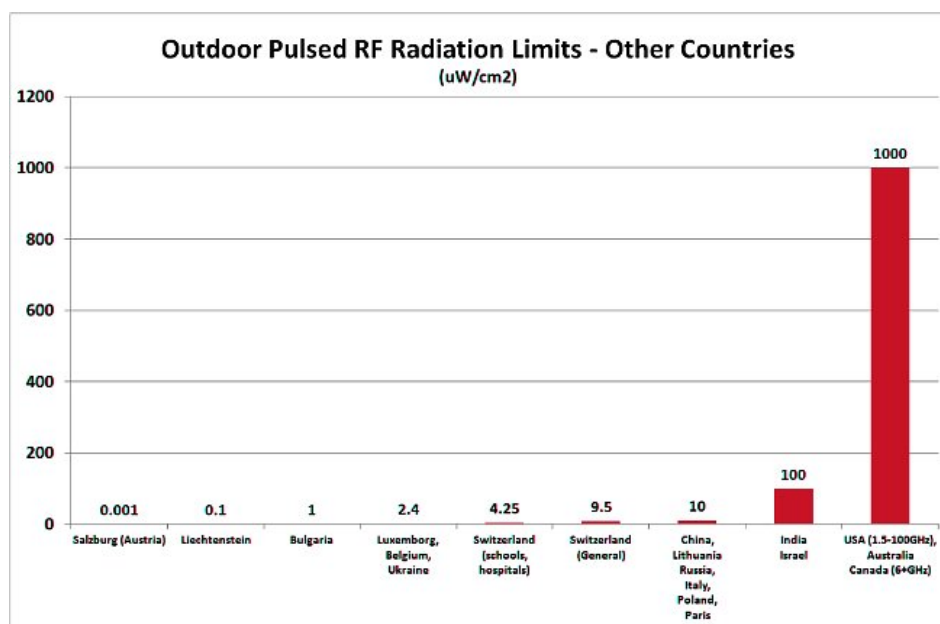
US Patent 4877027 describing the microwave auditory effect. <https://docs.google.com/viewer?url=patentimages.storage.googleapis.com/pdfs/US4877027.pdf>

US Patent 3951134. Apparatus for Remotely

Monitoring and Altering Brain Waves. <https://docs.google.com/viewer?url=patentimages.storage.googleapis.com/pdfs/US3951134.pdf>

## Safety Standards

### Regulations, Bans and Warnings



*A comparison between countries that impose strict EMR safety standards and the USA, Australia and Canada that rely upon WHO recommendations.*

This submission to the World Health Organisation for more stringent EMR safety standards contains numerous scientific references. [http://www.emraware.com/documents/submission\\_to\\_who.pdf](http://www.emraware.com/documents/submission_to_who.pdf)

Biological Effects of Microwaves Below the US

and Canada's Regulatory Limit. [https://apps.fcc.gov/els/GetAtt.html?id=171428&x=.](https://apps.fcc.gov/els/GetAtt.html?id=171428&x=)

The Joint Annual Meeting of the Bioelectromagnetics Society and the European BioElectromagnetics Association 5-10 June 2106, Ghent, Belgium. [http://www.bioem2016.org/files/bioem2016/BioEM2016\\_TechnicalProgram\\_v20160603.pdf](http://www.bioem2016.org/files/bioem2016/BioEM2016_TechnicalProgram_v20160603.pdf)

Here is Prof. Dariusz Leszczynski's report on the above proceedings. Report From the BioEM 2016. [http://www.emraware.com/documents/bioem\\_2016\\_report.pdf](http://www.emraware.com/documents/bioem_2016_report.pdf)

Electromagnetics Forum (Australia) Winter 1997 issue. "So many scientific studies were excluded from the 'extensive' NAS/NRC report, that its conclusions cannot be considered an accurate review of the current scientific literature." A Tale of Two Reviews: NAS/NRC Vs. NCRP. [http://www.emraware.com/documents/electromagnetics\\_winter\\_1997.pdf](http://www.emraware.com/documents/electromagnetics_winter_1997.pdf)

Americans Beware: Nationwide Violations of FCC Radiation Limits at Wireless Antenna Sites (2013). <http://www.marketwired.com/press-release/-1770139.htm>

Outdated FCC Safety Standards. <http://ehtrust.org/policy/fcc-safety-standards/>

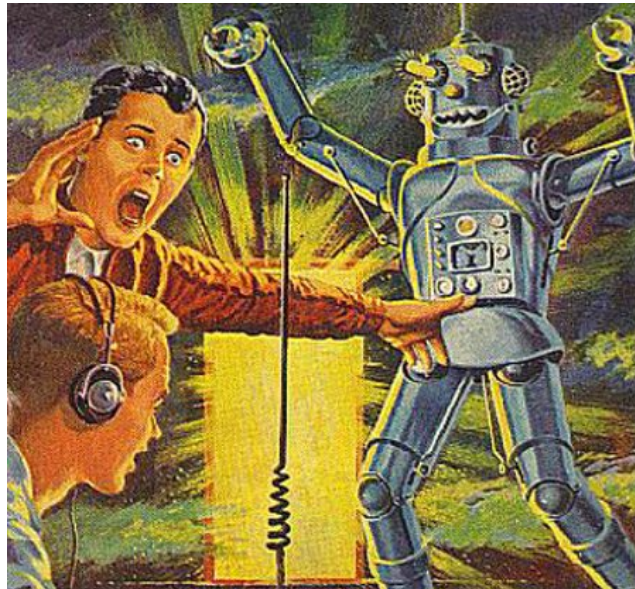
A series of three cautionary videos for tradespersons who may be routinely exposed to



EMR. Informative content for everyone.

Radiofrequency Exposure: Potential Dangers.

<http://www.electronicssilentspring.com/caution-to-workers/>



*The human vs technology mismatch. Somehow we knew it was coming.*

The Invisible Threat: Radiofrequency Radiation

Risk. <http://www.rmmagazine.com/>

[2010/08/01/the-invisible-threat-radiofrequency-radiation-risk/](http://www.rmmagazine.com/2010/08/01/the-invisible-threat-radiofrequency-radiation-risk/)

## **Industry Watch**

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

What they are telling insiders. Telecom and

Insurance Companies Warn of Liability and Risk.

<http://ehtrust.org/key-issues/cell->

[phoneswireless/telecom-insurance-companies-warn-liability-risk-go-key-issues/](#)

Spain: High Court of Madrid Ruling Recognizes "Electrosensitivity" as Grounds for Total Permanent Disability. <http://mieuxprevenir.blogspot.com.au/2016/08/spain-high-court-of-madrid-ruling.html>

Watching the henhouse. Tim Kelsey, former Telstra Health Strategy Director, has been appointed CEO of Australia's newly created National Digital Health Agency. <http://www.cio.com.au/article/604357/new-national-digital-health-agency-appoints-ceo/>

Wireless Technology Violates Human Rights. <http://www.electricalpollution.com/documents/WirelessViolatesHumanRights2016.pdf>



Cell-jamming Technology Is Being Turned Against Journalists. <http://www.globalresearch.ca/cell-jamming-technology-is-being-turned-against-journalists/5541116>

## EMR Countermeasures

### Personal Precautions and Monitoring



Wi-Fi Solver app. Take the floorplan of any building, enter the location of a Wi-Fi router, and simulate how microwaves waves propagate throughout the adjoining rooms. [https://www.youtube.com/watch?v=fu6\\_Paxuopc](https://www.youtube.com/watch?v=fu6_Paxuopc)

## Bucking the Waves

Phone "chips", such as the Lif3, exploit growing public concern over EMR by claiming to shunt microwaves away from the head. Unfortunately, this can lead to complacency. Their current TV ad features a woman confidently inserting a phone into her bra. Advertised lab tests do not necessarily account for all real world conditions, e.g. the communicating phone tower being located on the opposite side of the body.

<https://www.lif3smartchip.com.au/>

Why You Need to Stop Carrying Your Mobile Phone in Your Pocket or Bra. <https://thetruthaboutcancer.com/mobile-phone-radiation/>

Rather than block the signal, another category of product seeks to maintain normal body function in the presence of EMR by applying a compensatory field comprised of beneficial, naturally occurring Earth frequencies. The principles of operation are explained in the DIY article below. Provided here for general information only. [http://christopherbradshaw.net/The\\_Project\\_Bin/Schumann%20Frequency%20Oscillator%20with%20Scalar%20Coil.html](http://christopherbradshaw.net/The_Project_Bin/Schumann%20Frequency%20Oscillator%20with%20Scalar%20Coil.html)

## Trying to Have It Both Ways





"Yeah, I'm here at the retreat.  
I think I'm finally getting it."

Brain-scrambling microwaves are presumably incompatible with meditation and other introspective techniques. Nonetheless, some naive tech-addicts live in hope. The Key to Greater Mindfulness Is ... Our Cell Phone.

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

[v=vPKEXZXKahY](https://www.youtube.com/watch?v=vPKEXZXKahY). Addicted to Your Phone? Try

this Practice - Phone in Hand. [http://](http://www.mindful.org/addicted-to-your-phone-try-this-practice-phone-in-hand/)

[www.mindful.org/addicted-to-your-phone-try-this-practice-phone-in-hand/](http://www.mindful.org/addicted-to-your-phone-try-this-practice-phone-in-hand/)

## **General Events & Networking**

The 2016 World Congress of the Global Foundation for Integrative Medicines will be held 7-9 October 2016 at Santa Fe NM. Speakers include noted EMR researchers Camilla Rees MBA, Dietrich Klinghardt PhD, Martin Pall PhD, and Yury Kronn. <https://gfim-world.com/>

Prof. Olle Johansson has been invited to speak at the 10th Biennial European Conference of the Society for Scientific Exploration to be held 13-15 October 2016 near Stockholm Sweden. His topic will be, "Adverse health effects of modern electromagnetic fields from wireless telecommunication, such as mobile phones and Wi-Fi". <http://sse-europe-2016.eu/>

A new Australian website dedicated to resources for EHS persons. Radiation Refuge - Humans and Housing in Harmony. <http://radiationrefuge.com/home>

## **"Science and Wireless" Event at RMIT**

Mounting evidence points to a causal link between Alzheimer's and RF exposure. Curiously, three presentations at this event claim it can successfully treat the condition. Is this good news or industry-inspired damage control? 22 November 2106 at RMIT. Free to attend by prior registration. Science and Wireless. <http://www.rmit.edu.au/events/all-events/conferences/2016/november/science-and-wireless-2016>. Here is Prof. Dariusz Leszczynski's critical analysis of last year's event. Report from the Science and Wireless 2015 Event in Australia. <https://betweenrockandhardplace.wordpress.com/2016/01/29/report-from-the-science-and-wireless-2015-event-in-australia/>



At the present exponential rate of growth, it has been predicted that by 2020 1 in 4 Americans will suffer from Alzheimer's or dementia. Your Smart Phone Is Destroying Your Memory.

<http://timesofindia.indiatimes.com/life-style/health-fitness/health-news/Your-smartphone-is-destroying-your-memory/articleshow/19412724.cms>

"2.4 GHz RF may lead to adverse effects such as neurodegenerative diseases." Effects of 2.4 GHz Radiofrequency Radiation Emitted from Wi-Fi Equipment on MicroRNA expression in Brain Tissue. <http://www.ncbi.nlm.nih.gov/pubmed/25775055>

## **Free DVD - Read the Science**



This DVD was produced in response to readers who requested a resource dedicated entirely to peer-reviewed science on the adverse effects of EMR. It contains over 1200 categorised articles and abstracts in PDF, which should be enough to challenge even the most hardcore skeptics. It is



available free of charge, posted to any address within Australia. [Click here](#) for further information. Alternatively, much of the same information can be accessed via the links provided [here](#).

## **Notice:**

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



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