



EMR Aware

Electromagnetic Radiation - Concerns and Informed Choices

[View Latest Newsletter](#)

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

Newsletter January - February 2018

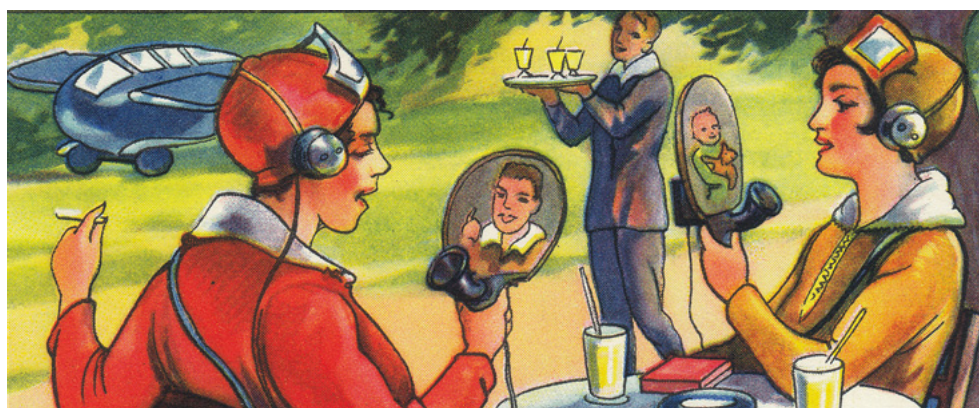
This free newsletter is published by EMR Aware, a citizens' group based in Northern NSW Australia. It contains information on the health, environmental, and social impacts of modern electro-technologies. This is offered in the public interest to encourage a fair and balanced discussion of the topics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

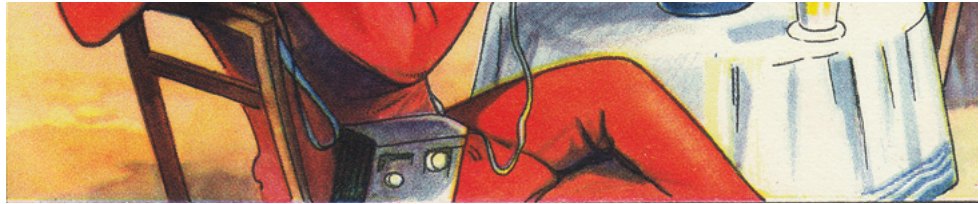
Government regulators.

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

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

Mobile and Cordless Phones





The carefree days of trust in cigarettes and new technology.

Wireless Education Warns of Cell Phone Health Hazards. <http://southborough.wickedlocal.com/news/20171213/wireless-education-warns-of-cell-phone-health-hazards>

Have a Cell Phone Against Your Ear? You Should Consider Putting It Down. <http://www.fresnobee.com/news/local/article189586129.html>

PR Pros, Heavy Cellphone Users, Need Awareness of Dangers. <http://www.odwyerpr.com/story/public/9680/2017-11-06/pr-pros-heavy-cellphone-users-need-awareness-dangers.html>

Do You Really Believe Your Cell Phone (i.e. Microwave Transceiver) Is NOT Harming Your Health? <http://electromagneticsafeplanet.com/2017/10/12/do-you-really-believe-your-cell-phone-i-e-microwave-transceiver-is-not-harming-your-health/>

Mobile Phones, Cordless Phones and Rates of Brain Tumors in Different Age Groups in the Swedish National Inpatient Register and the

Swedish Cancer Register During 1998-2015.
<http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0185461&type=printable>

Does Cell-phone Radiation Cause Cancer?
<https://www.consumerreports.org/cro/smartphones/cell-phone-radiation>

Cell Phone Brain Cancer - New Study Reports Doubling of Overall Risk. <https://www.electricsense.com/13179/cell-phone-brain-cancer/>

Cell Phone and Cordless Phone Use Causes Brain Cancer: New Review. <http://www.saferemr.com/2017/04/cell-phone-and-cordless-phone-use.html>

Use of Wireless Phones and Evidence for Increased Risk of Brain Tumors. http://www.bioinitiative.org/report/wp-content/uploads/2017/11/Hardell-2017-Sec11-Update-Use_of_Wireless_Phones.pdf

Elevated Cortisol levels can result in anxiety, obesity and disrupted sleep patterns. Long Term Exposure to Cell Phone Radiation and Stress. <http://iicbe.org/upload/2195C1214121.pdf>

An International Prospective Cohort Study of Mobile Phone Users and Health (COSMOS): Factors Affecting Validity of Self-reported Mobile Phone Use. <https://www.ncbi.nlm.nih.gov/>

pubmed/29056311

How to Reduce Exposure to Radiofrequency Energy From Cell Phones. <https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHIB/CDPH%20Document%20Library/Cell-Phone-Guidance.pdf>



Phone underwear. A reminder to keep your calls brief?

California Phone Warnings

CDPH Issues Guidelines on How to Reduce Exposure to Radio Frequency Energy From Cell Phones. <https://www.cdph.ca.gov/Programs/OPA/Pages/NR17-086.aspx>

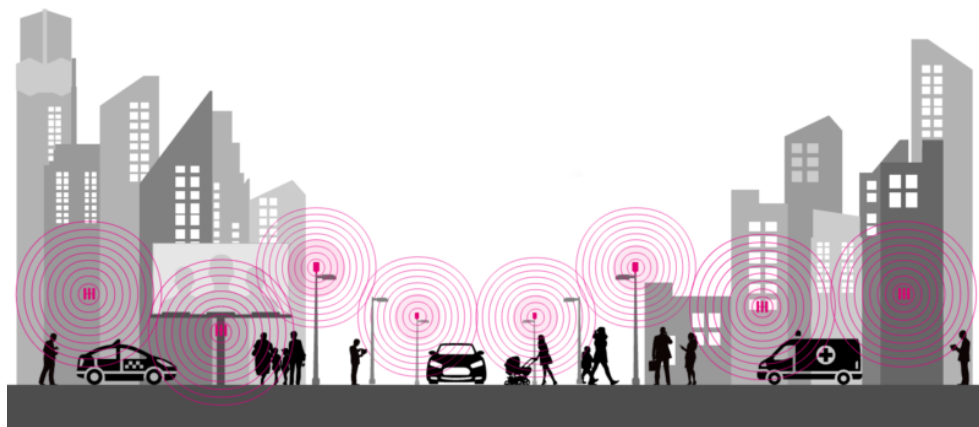
California to Set Guidelines Limiting Cellphone Radiation Exposure. <https://www.cbsnews.com/videos/california-to-set-guidelines-limiting-cellphone-radiation-exposure/>

Cell Phone Safety Guidance From the California Public Health Department. <http://www.saferemr.com/2017/03/cell-phone-safety-guidance-from.html>

5G and Millimeter Waves

GAO's 2012 Report And Cell Phone Recommendations No One Is Doing Anything About Except Pushing 5G. <https://www.activistpost.com/2017/10/gaos-2012-report-cell-phone-recommendations-no-one-anything-except-pushing-5g.html>

5G, Smart Grid, AI & the Coming Global Brain. <https://www.youtube.com/watch?v=nPj9OUm2gtg>



*Subconscious expression of 5G health hazards?
Police waiting for protest. Ambulance waiting for
causalities.*

Stop the Extreme Expansion of Cell Towers on

Every Street in America. https://petitions.moveon.org/sign/stop-the-extreme-expansion?source=s.icn.em.mt&r_by=2488544

Breaking News: New 5G Death Towers Causing Major Radiation Spike in U.S. Cities. <https://www.youtube.com/watch?v=MbeQ4MugoIE>

Paul Heroux PhD Interviewed by Press Before Supreme Court Event 10/17/2017. <https://www.youtube.com/watch?v=iCW3l4TgC9U>

"Stay Out of the Way of Technology." FCC: Intimidating Press, Suppressing Science at "5G" Announcement. <https://www.youtube.com/watch?v=OMxfffqyDtc>



Subscribe and keep up-to-date with industry initiatives. Microwave Journal. <http://www.microwavejournal.com/topics/3549-MIMO->

OTA

58 Congressional bills that would mandate, facilitate, fund and preempt States and Local Governments on 5G and other wireless infrastructure. Call To Action on 5G Rollout Washington DC. <https://www.youtube.com/watch?v=57yuWGxDftY>

Letter to Congress. Please Oppose Any and All Bills Related to 5G and Wireless Radiation Expansion. <http://emfsafetynetwork.org/wp-content/uploads/2017/11/Letter-to-Congress-2017-1.pdf>

Microwave Towers

Phone, National Broadband, Radio, TV

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/pdf>

Effect of Electromagnetic Radiations from Mobile Phone Base Stations on General Health and Salivary Function. <https://www.ncbi.nlm.nih.gov/pubmed/27011934>

Cell Towers, Antennas Problematic for Buyers.

<http://realtormag.realtor.org/daily-news/2014/07/25/cell-towers-antennas-problematic-for-buyers>

Property Values Declining Near Cell Towers.
<https://www.emfanalysis.com/property-values-declining-cell-towers/>

A "Mysterious Antenna" Emerges In An Empty Chicago Field; Billions Depend On It. <http://www.zerohedge.com/news/2017-05-12/mysterious-antenna-emerges-empty-chicago-field-billions-depend-it>

What Exactly Are These "Smart Poles" Going Up Around Australia. <https://www.gizmodo.com.au/2017/06/what-exactly-are-these-smart-poles-going-up-around-australia/#RbQmCiaGkalgCQF5.99>



*Feeding a dinosaur? More tax money down
Australia's NBN hole.*

Are telcos sabotaging the NBN? Fears for NBN as Mobile Internet Provides Faster Speeds and More Reliable Service. <http://www.news.com.au/technology/online/nbn/fears-for-nbn-as-mobile-internet-provides-faster-speeds-and-more-reliable-service/news-story/dbe8cb9d842d280cf0cf77a12a851ba0>

Telstra Offers to Compensate 42,000 Customers for Slow NBN Speeds. <https://www.accc.gov.au/media-release/telstra-offers-to-compensate-42000-customers-for-slow-nbn-speeds>

ACCC Warns 5G Could Substitute NBN Connections. <https://www.choice.com.au/electronics-and-technology/internet/connecting-to-the-internet/articles/looming-5g-could-substitute-nbn-internet-acc-311017>

Outsourcing Lets NBN Keep Its "Commercial-in-confidence" Secrets. <https://www.crikey.com.au/2015/11/20/outsourcing-lets-nbn-keep-its-commercial-in-confidence-secrets/>

Wi-Fi, Bluetooth

Home, Business, Hotspots

Confirmed: New York City's Public Wi-Fi Stations Are Spying on You. <https://>

www.activistpost.com/2017/12/surveillance-confirmed-new-york-citys-public-wifi-stations.html

Papers Finding Adverse Biological Effects or Damage to Health from Wi-Fi Signals, Wi-Fi-enabled Devices or Wi-Fi Frequencies (2.4 or 5 GHz). <http://wifiinschools.org.uk/30.html>

The 10 Detrimental Health Effects of Wireless Devices. <http://www.emfsa.co.za/news/10-detrimental-health-effects-wireless-devices/>

Low EMR Wi-Fi Replacement. XC Li-Fi Driver to Be Launched at LuxLive 2017. <https://www.youtube.com/watch?v=K0rg74HQFBg&spfreload=10>

Children

Have Smartphones Destroyed a Generation? <https://www.theatlantic.com/magazine/archive/2017/09/has-the-smartphone-destroyed-a-generation/534198/>

Cellphones Driving Modern Humans to the Brink of Insanity? New Science Reveals Young Brains DERANGED by Cellphone Radiation Exposure. <http://www.thecommonsenseshow.com/2017/12/17/cellphones-driving-modern-humans-to-the-brink-of-insanity-new-science-reveals-young-brains-deranged-by-cellphone->

[radiation-exposure/?](#)

Apple Faces a Shareholder Backlash Over What the iPhone May be Doing to Our Kids. https://www.washingtonpost.com/news/the-switch/wp/2018/01/08/apple-faces-a-shareholder-backlash-over-what-the-iphone-may-be-doing-to-our-kids/?utm_term=.e9d9aceddea7

The Effects of Cell Phone Use and Emotion-regulation Style on College Students' Learning. <http://onlinelibrary.wiley.com/doi/10.1002/acp.3323/abstract>

The Pen Is Mightier Than the Keyboard. <http://journals.sagepub.com/doi/abs/10.1177/0956797614524581>

These Techy Christmas Gifts Could Raise Your Child's Risk of CANCER, Former US Health Official Warns. <http://www.dailymail.co.uk/health/article-5195745/Techy-Christmas-gifts-raise-childrens-CANCER-risks.html#ixzz51lrZSONe>

Sterility and Birth Defects





Don't let mobile phones take a bite out of your genes.

This Is the Worst Place to Store Your Cellphone.
<https://www.rd.com/health/wellness/worst-place-store-cell-phone/>

Temporal Trends in Sperm Count: A Systematic Review and Meta-regression Analysis. <https://academic.oup.com/humupd/article-abstract/23/6/646/4035689?redirectedFrom=fulltext>

Are You Unknowingly Lowering Your Sperm Count? When to Worry. <https://health.clevelandclinic.org/2017/09/are-you-unknowingly-lowering-your-sperm-count-when-to-worry/>

Use of Laptop Computers Connected to Internet Through Wi-Fi Decreases Human Sperm Motility and Increases Sperm DNA Fragmentation.
<https://ecfsapi.fcc.gov/file/7520942026.pdf>

Effects of Cellular Phone Emissions on Sperm Motility in Rats..<https://www.ncbi.nlm.nih.gov/pubmed/17628553>

Electromagnetic Radiation and Sex Differences.
<http://carelesscience.com/blog2017/electromagnetic-radiation-sex/>

What Women Must Know - The Most Serious

Public Health Crisis No One Knows About. <http://prn.fm/women-must-know-serious-public-health-crisis-no-one-knows-arthur-firstenberg-09-21-17/>

Experts and Doctors Warn: Pregnant Women and Children Should Not Be Exposed to Wireless Radiation. <https://takebackyourpower.net/experts-and-doctors-warn-pregnant-women-and-children-wireless/>

Maternal Exposure to Magnetic Fields During Pregnancy in Relation to the Risk of Asthma in Offspring. <https://jamanetwork.com/journals/jamapediatrics/fullarticle/1107612>

Exposure to Magnetic Field Non-Ionizing Radiation and the Risk of Miscarriage: A Prospective Cohort Study. <https://www.nature.com/articles/s41598-017-16623-8.pdf>

Wireless in Schools

France to Impose Total Ban on Mobile Phones in Schools. <http://www.telegraph.co.uk/news/2017/12/11/france-impose-total-ban-mobile-phones-schools/>

Laptops Will be Banned at School and College in September 2018 (Translate from French online).. <http://www.rtl.fr/actu/politique/>

blanquer-sur-rtl-les-portables-seront-interdits-a-l-ecole-et-au-college-a-la-rentree-2018-7791345944

France - Policy Recommendations on Cell Phones, Wireless Radiation & Health. <https://ehtrust.org/france-policy-recommendations-cell-phones-wireless-radiation-health/>

Wireless Education Warns of Cell Phone Health Hazards. <http://southborough.wickedlocal.com/news/20171213/wireless-education-warns-of-cell-phone-health-hazards>

Smart Grid

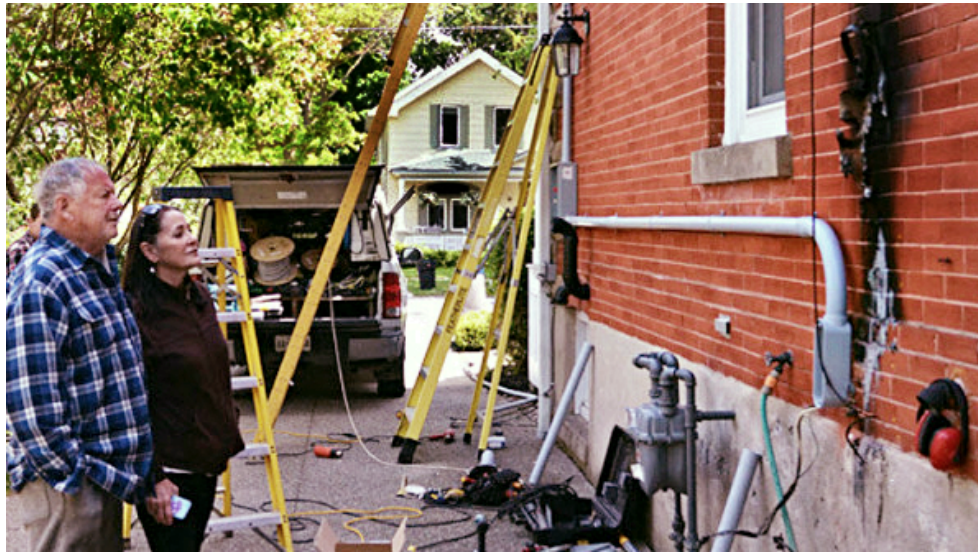
Metering, Privacy and the Internet of Things

Smart Meters Causing Tidal Wave of Mysterious Illnesses That Strike People in Their Own Homes. <https://www.healthnutnews.com/smart-meters-causing-tidal-wave-of-mysterious-illnesses-that-strike-people-in-their-own-homes/>

Confirmed Health Harms from Microwaves In Smart Meters and Other Smart Devices. <https://www.activistpost.com/2017/11/confirmed-health-harms-microwaves-smart-meters-smart-devices.html>

Australian Narrowband IoT Intelligent Water

Meters. <https://www.metering.com/news/australia-narrowband-iot-water-meters/>



Another satisfied smart meter customer.

Are Smart meters a FIRE Hazard? BBC Watchdog Investigation Finds Poorly Fitted Meters May Have Started Blazes. <https://www.thesun.co.uk/money/4112372/bbc-investigates-smart-meters-safety-house-fires/>

October Windstorm Took Down CMP's \$200 Million Smart Meter Network. <http://mainepublic.org/post/october-windstorm-took-down-cmp-s-200-million-smart-meter-network#stream/0>

Deployment of 3,200 smart sensors. Silicon and the City: Irish IoT Firm Lights Up Smart San Diego. <https://www.siliconrepublic.com/machines/san-diego-iot-street-lights-taoglas>

To delay is to deny. Victoria Delays

Implementation of National Arrangements for Metering Competition. <https://stopsmartmeters.com.au/2017/03/25/victoria-delays-implementation-of-national-arrangements-for-metering-competition/>

Hackers Could Turn Your Smart Meter into a Bomb and Blow Your Family to Smithereens - New Claim. http://www.theregister.co.uk/2017/01/04/smart_metres_ccc/

Google Wants to Run Cities Without Being Elected. Don't Let It. <https://www.theguardian.com/commentisfree/2017/oct/24/google-alphabet-sidewalk-labs-toronto>

Robotics, Artificial Intelligence



AI Robot That Learns New Words in Real-time Tells Human Creators It Will Keep Them in a "People Zoo". <http://glitch.news/2015-08-27-ai-robot-that-learns-new-words-in-real-time-tells-human-creators-it-will-keep-them-in-a-people-zoo.html>

The Robot That Knows When You're Lying: Scientists Create an AI That Can Detect Deception in the Courtroom. <http://www.dailymail.co.uk/sciencetech/article-5197747/AI-detects-expressions-tell-people-lie-court.html>

UC Berkeley Professor's "Slaughterbots" Video on Killer Drones Goes Viral. <http://www.foxnews.com/tech/2017/11/21/uc-berkeley-professor-s-slaughterbots-video-on-killer-drones-goes-viral.html>

"Minority Report" Artificial Intelligence Machine Can Identify 2 BILLION People in Seconds. <https://www.dailystar.co.uk/news/latest-news/666375/minority-report-artificial-intelligence-machine-dragonfly-yitu-technology>

The Face of Australia's Surveillance: Malcolm Turnbull's Facial Recognition Database. <https://www.globalresearch.ca/the-face-of-australias-surveillance-malcolm-turnbulls-recognition-database/5612239>

Arizona Citizens Tracked In Facial Recognition

Database in First Step For "REAL ID" Implementation. <http://www.zerohedge.com/news/2017-12-06/arizona-citizens-tracked-facial-recognition-database-first-step-real-id-implementation>

How to Stop Alexa From Ordering Stuff Without Your Permission. <https://www.imore.com/how-stop-alexa-ordering-stuff-without-your-permission>

Wearable Technology

Biometrics, Implants, Virtual Reality



Rice grain size implants and injection tools..

Ready to get chipped? Most people Don't Even Realize What's Coming. <https://www.youtube.com/watch?v=5tn4P7IBqoQ>

Soon to be powered by background radiation alone. Here Come the Rice-grain-sized Brain Implants: Stanford Discovers Way of Beaming Power to Microimplants Deep Inside Your Body. <https://www.extremetech.com/extreme/182686-here-come-the-rice-grain-sized-brain-implants-stanford-discovers-way-of-beaming-power-to-microimplants-deep-inside-your-body>

Avoid flickering screens. Check. PWM Ranking - The Best Displays for the Eyes. <https://www.notebookcheck.net/PWM-Ranking-Notebooks-Smartphones-and-Tablets-with-PWM.163979.0.html>

Myopia, Dry Eye, Macular Degeneration Are Linked to Digital Device Use. <http://www.healio.com/optometry/pediatrics/news/print/primary-care-optometry-news/%7Ba7c5f86e-f0d7-498f-bb43-1be6224ecaf1%7D/myopia-dry-eye-macular-degeneration-are-linked-to-digital-device-use?platform=hootsuite>

Mains Radiation, ELF

Power Grid, Appliances, Lighting

Evaluation of Chromosomal Alteration in Electrical Workers Occupationally Exposed to Low Frequency of Electro Magnetic Field (EMFs) in Coimbatore Population, India. <https://>

www.ncbi.nlm.nih.gov/pubmed/22938490

Molecular Biological Application of the Theory of Stochastic Resonance. The Cellular Response to the ELF AC Magnetic Field. [http://](http://www.sciencepub.net/nature/0301/05-teng.pdf)

www.sciencepub.net/nature/0301/05-teng.pdf

Extremely-low-frequency Magnetic Fields Disrupt Rhythmic Slow Activity in Rat Hippocampal Slices. [http://](http://onlinelibrary.wiley.com/doi/10.1002/)

onlinelibrary.wiley.com/doi/10.1002/

[\(SICI\)1521-186X\(1996\)17:5%3C388::AID-BEM6%3E3.0.CO;2-%23/abstract](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1521-186X(1996)17:5%3C388::AID-BEM6%3E3.0.CO;2-%23/abstract)

Evaluations of the Effects of Extremely Low-Frequency Electromagnetic Fields on Growth and Antibiotic Susceptibility of Escherichia coli and Pseudomonas aeruginosa. [https://](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3335185/pdf/IJMB2012-587293.pdf)

[www.ncbi.nlm.nih.gov/pmc/articles/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3335185/pdf/IJMB2012-587293.pdf)

[PMC3335185/pdf/IJMB2012-587293.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3335185/pdf/IJMB2012-587293.pdf)

Difference in Frequency Spectrum of Extremely-low-frequency Effects on the Genome

Conformational State of AB1157 and EMG2 E.

coli Cells. [http://onlinelibrary.wiley.com/doi/](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1521-186X(1996)17:5%3C384)

[10.1002/\(SICI\)1521-186X\(1996\)17:5%3C384:](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1521-186X(1996)17:5%3C384)

[:AID-BEM5%3E3.0.CO;2-%23/abstract](http://onlinelibrary.wiley.com/doi/10.1002/(SICI)1521-186X(1996)17:5%3C384)

"Dirty Electricity" Is a National Problem

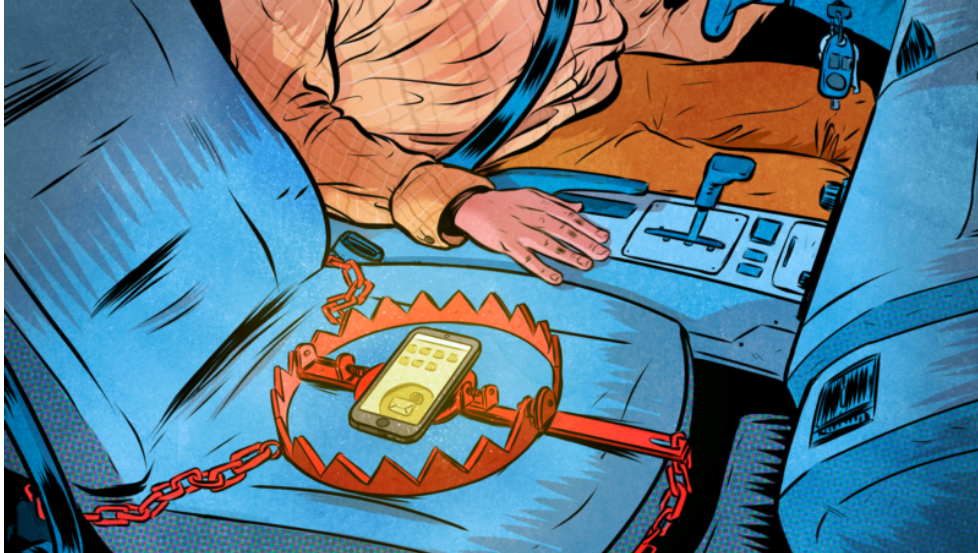
Affecting Everyone's Health in the United

States. [https://healthimpactnews.com/2015/](https://healthimpactnews.com/2015/dirty-electricity-is-a-national-problem-affecting-everyones-health-in-the-united-states/)

[dirty-electricity-is-a-national-problem-affecting-everyones-health-in-the-united-states/](https://healthimpactnews.com/2015/dirty-electricity-is-a-national-problem-affecting-everyones-health-in-the-united-states/)

Transport, Aerospace

Motor Vehicles, Aircraft, Satellites



Possible contributing factor in phone-related accidents. WLAN in the Car Affects Brainwaves (Translate from German online). <https://rtlnext.rtl.de/cms/kopfschmerzen-im-auto-woher-kommt-das-4131633.html?c=ddb>

Kiss the Good Times Goodbye. "Everyone Will Have 5 Years to Get Their Car Off the Road or Sell It for Scrap". http://www.autonews.com/article/20171105/INDUSTRY_REDESIGNED/171109944/bob-lutz:-kiss-the-good-times-goodbye

Beyond the Hype: The Hazards of Electric Vehicles. <http://cyprus-mail.com/2017/12/03/beyond-hype-hazards-electric-vehicles/>

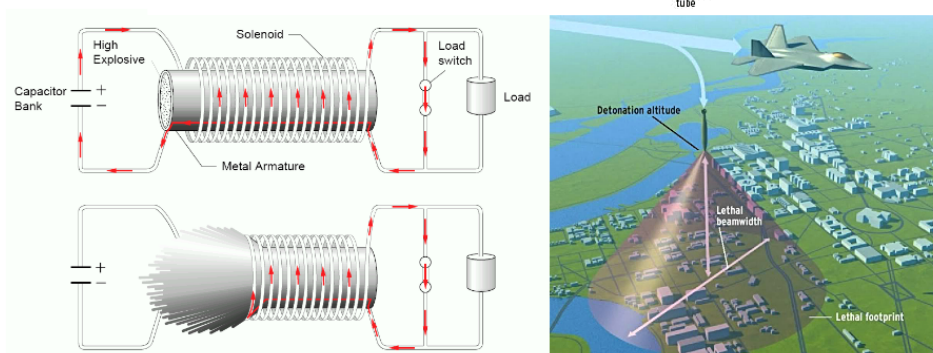
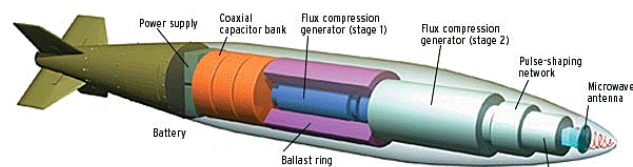
Self-driving Shuttle Crashes in Las Vegas Hours after Launch. <http://www.foxnews.com/auto/2017/11/08/self-driving-shuttle-crashes-in-las-vegas-hours-after-launch.html>

List of Airlines Offering In-flight Wi-Fi. <http://www.edreams.com/blog/in-flight-wifi/>

How to Hack the Sky. <https://www.forbes.com/2010/02/02/hackers-cybercrime-cryptography-technology-security-satellite.html>

A searchable 3D animation of the 500,000 pieces of space junk currently surrounding our planet. Stuff in Space. <http://stuffin.space/>

Vulnerable to Attack



Electromagnetic Pulse (EMP) weapon utilizing explosive flux compression.

New Air Force Missile Turns Out Lights with Raytheon Microwave Tech. <https://>

breakingdefense.com/2012/10/new-air-force-missile-turns-out-lights-with-raytheon-microwave-t/

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

Is The United States Firing Off "Electricity Bombs" in Syria? <http://www.thedrive.com/the-war-zone/12910/is-the-united-states-firing-off-electricity-bombs-in-syria>

Environment, Wildlife

Magnetic Field Effects on Plant Growth, Development, and Evolution. <https://www.frontiersin.org/articles/10.3389/fpls.2014.00445/full>

Wireless Kills Trees. <http://www.electricalpollution.com/WirelessKillsTrees.html>

Reduced Growth of Soybean Seedlings after Exposure to Weak Microwave Radiation from GSM 900 Mobile Phone and Base Station. <http://onlinelibrary.wiley.com/doi/10.1002/BEM.21890/abstract>

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

[PMC4769733/pdf/BMRI2016-1830262.pdf](https://pmc.ncbi.nlm.nih.gov/pdf/BMRI2016-1830262.pdf)

Natural and Man-made Terrestrial
Electromagnetic Noise: An Outlook. [http://
citeseerx.ist.psu.edu/viewdoc/
download;jsessionid=039E615F425990E616FAB
254362A0D2F?
doi=10.1.1.652.4606&rep=rep1&type=pdf](http://citeseerx.ist.psu.edu/viewdoc/download;jsessionid=039E615F425990E616FAB254362A0D2F?doi=10.1.1.652.4606&rep=rep1&type=pdf)

Bee-haviour Modification



Can Electromagnetic Exposure Cause a Change
in Behaviour? Studying Possible Non-thermal
Influences on Honey Bees - An Approach within
the Framework of Educational Informatics.
[http://www.next-up.org/pdf/
ICRW_Kuhn_Landau_study.pdf](http://www.next-up.org/pdf/ICRW_Kuhn_Landau_study.pdf)

Mobile Phones and Vanishing Bes. <http://www.i->

sis.org.uk/MobilePhonesVanishingBees.php

Honeybees Can Be Trained to Respond to Very Small Changes in Geomagnetic Field Intensity.

<http://jeb.biologists.org/content/jexbio/145/1/489.full.pdf>

Bursts of Magnetic Fields Induce Jumps of Misdirection in Bees by a Mechanism of Magnetic Resonance. <https://link.springer.com/article/10.1007/BF00606116?no-access=true>

DARPA Grant to Enable Researchers to Investigate If Organisms Sense their Surroundings Using RF Waves. <https://www.everythingrf.com/News/details/5189-DARPA-Grant-to-Enable-Researchers-to-Investigate-if-Organisms-Sense-their-Surroundings-Using-RF-Waves>

Security

Surveillance, Body Scanners, Non-lethal Weapons

Here's How The CIA Is Hacking Your Smart TV. <https://www.youtube.com/watch?v=ELU5g2eXi70>

No, You're Not Being Paranoid. Sites Really Are Watching Your Every Move. <https://arstechnica.com/tech-policy/2017/11/an-alarming-number-of-sites-employ-privacy->

[invading-session-replay-scripts/](#)

Researchers: Hackers Can Spy On Kids Through Some Holiday Toys. <http://newyork.cbslocal.com/2017/12/08/hackers-spy-kids-toys/>

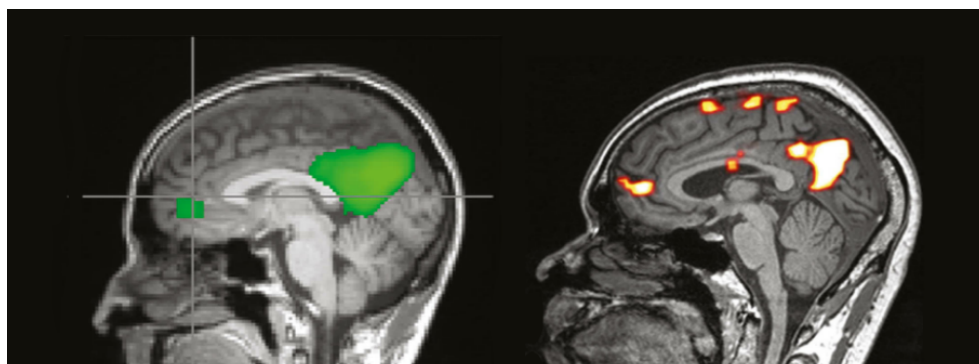
Your Secrets Are Not Safe with Anyone. <http://reason.com/archives/2017/11/29/your-secrets-are-not-safe-with-anyone>

The Surveillance State Is Creating New Meta-crimes. <https://jonrappoport.wordpress.com/2017/12/01/the-surveillance-state-is-creating-new-meta-crimes/>

"Tsunami of Data" Could Consume One Fifth of Global Electricity by 2025. https://www.theguardian.com/environment/2017/dec/11/tsunami-of-data-could-consume-fifth-global-electricity-by-2025?CMP=share_btn_fb

Electro-sensitivity (EHS)

Electromagnetic Biological Response (EBR)





Functional MRI scan documents observable changes to brain of EHS subject.

Functional Brain MRI in Patients Complaining of Electrohypersensitivity After Long Term Exposure to Electromagnetic Fields. <https://www.degruyter.com/downloadpdf/j/reveh.2017.32.issue-3/reveh-2017-0014/reveh-2017-0014.pdf>

Corrigendum to: Functional Brain MRI in Patients Complaining of Electrohypersensitivity After Long Term Exposure to Electromagnetic Fields. <https://www.degruyter.com/view/j/reveh.2017.32.issue-4/reveh-2017-0027/reveh-2017-0027.xml?format=INT>

Pilot Study Shows Dramatic Difference In Brain Activity With EHS (Electrohypersensitive) Cases As Compared To Controls (Non EHS). https://www.prnewswire.com/news-releases/pilot-study-shows-dramatic-difference-in-brain-activity-with-ehs-electrohypersensitive-cases-as-compared-to-controls-non-ehs-300566854.html?tc=eml_cleartime

Lack of Success of "Displacement-of-furniture-sensitivity" Provocation Study May Prove Validity of Real-life Cell Phone Tests for Electrohypersensitivity. <https://>

nyadagbladet.se/vetenskap/lack-of-success-of-displacement-of-furniture-sensitivity-provocation-study-may-prove-validity-of-real-life-cell-phone-tests-for-electrohypersensitivity/

The Importance of Electromagnetic Field Remediation In the Treatment of Chronic Disease. <https://articles.mercola.com/sites/articles/archive/2017/12/10/emf-remediation.aspx>

Electromagnetic Field Sensitivity Case Study Evaluation. <http://www.next-up.org/pdf/JournalOfBioelectricityElectromagneticFieldSensitivityCaseStudyEvaluationDrReaEHC1991.pdf>

Guideline of the Austrian Medical Association for the Diagnosis and Treatment of EMF- related Health Problems and Illnesses (EMF syndrome). <http://www.magdahavas.com/wordpress/wp-content/uploads/2012/06/Austrian-EMF-Guidelines-2012.pdf>

Biological Mechanisms

Microwave transmission of BIOLOGICAL signals. Electromagnetic Energy and Data Transfer in Biological Tissues Using Loop Antennas. https://ac.els-cdn.com/S1877050913007321/1-s2.0-S1877050913007321-main.pdf?_tid=ed32cc2e-e12e-11e7-bab3-00000aab0f27&acdnat=1513297912_90f4

398e5fa1f0421ce280139cc4cf33

Low Frequency Magnetic Pulse Variable Resonator for Actively Influencing the Interaction and Intercommunication at the Cellular Level for Biological Organisms and Molecular Level of Matter. <http://www.google.com/patents/US9724535>

Endogenous Voltage Potentials and the Microenvironment: Bioelectric Signals that Reveal, Induce and Normalize Cancer. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4267524/pdf/nihms621827.pdf>

Influence of Electric, Magnetic, and Electromagnetic Fields on the Circadian System: Current Stage of Knowledge. <https://www.hindawi.com/journals/bmri/2014/169459/>

Impact of Biological Closed Electric Circuits (BCEC) on Structure and Function. <https://www.ncbi.nlm.nih.gov/pubmed/1286033>

Mechanisms of Interaction of Electromagnetic Radiation with a Biosystem. <http://gnusha.org/~nmz787/biological%20radio%20research/Mechanisms%20of%20Interaction%20of%20Electromagnetic%20Radiation%20with%20a%20Biosystem.pdf>

Wireless Radiation and Health. The Past, The Present & The Future. Prof. Darius Leszczynski slide presentation, Helsinki, 28 November

2017.. [https://
betweenrockandhardplace.wordpress.com/
2017/11/28/slides-of-leszczynski-lecture-in-
helsinki-nov-28-2017/](https://betweenrockandhardplace.wordpress.com/2017/11/28/slides-of-leszczynski-lecture-in-helsinki-nov-28-2017/)

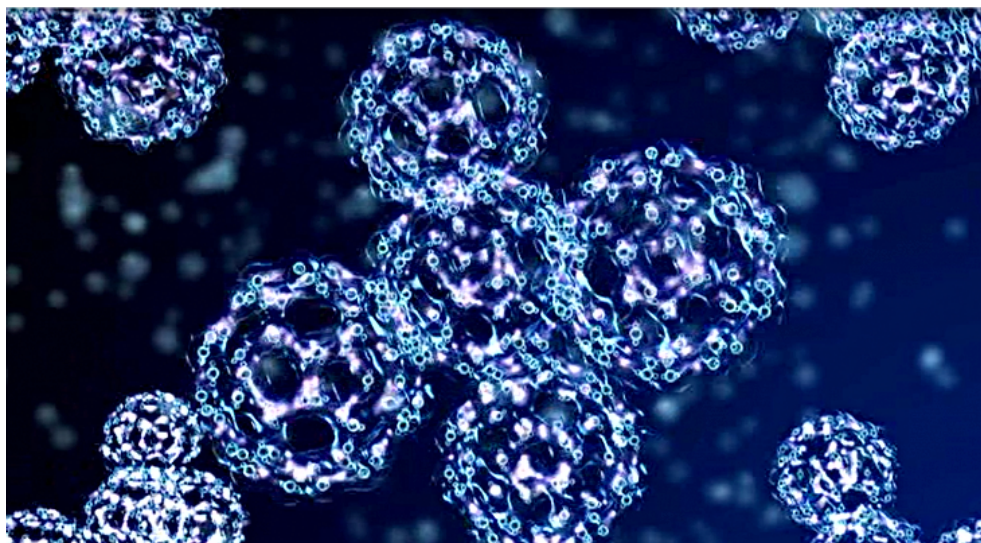
Health Risks Linked to Electromagnetic Field Exposure. [https://www.sciencedaily.com/
releases/2017/12/171213095534.htm](https://www.sciencedaily.com/releases/2017/12/171213095534.htm)

Hazards of EMFs and RF Microwave Radiation. [http://scientists4wiredtech.com/2017/03/rfr-
hazards/](http://scientists4wiredtech.com/2017/03/rfr-hazards/)

Abstracts of Recent EMF Health-Effects Research. <http://electricwords.emfacts.com/>

Oxidative Mechanisms of Biological Activity of Low-intensity Radiofrequency Radiation. <https://ecfsapi.fcc.gov/file/60001122232.pdf>

Water Memory



By volume our body is about 60% water.

Electromagnetic Information Transfer Through Aqueous System. <http://www.tandfonline.com/doi/full/10.1080/15368378.2017.1347882?src=recsys>

Biophysical Properties of Liquid Water Exposed to EM Radio Frequency Radiation. <https://cdn.intechopen.com/pdfs-wm/37401.pdf>

New Study Shows Water Has Memory - German Scientists Expand on Dr. Emoto's Work. <http://humansarefree.com/2015/12/new-study-shows-water-has-memory-german.html>

Neurological Effects

Brain and Behaviour Modification

Psychiatric Illnesses and Insomnia Caused By EMF. https://www.youtube.com/watch?time_continue=1&v=yCI-CIkXXoI

Sean Parker Unloads on Facebook "Exploiting" Human Psychology. <https://www.axios.com/sean-parker-unloads-on-facebook-2508036343.html>

Former Facebook Exec Says Social Media is Ripping Apart Society. <https://www.theverge.com/2017/12/11/16761016/former-facebook-exec-ripping-apart-society>

EMF's + Depression/Suicide. <http://>

www.emfresearch.com/emfs-depression-suicide/



Mathematics, BioFusion and Reflexive Control for Sentient Machines. <http://www.acsa.net/norseen2000/>

Enhancement of Cortical Network Activity in Vitro and Promotion of GABAergic Neurogenesis by Stimulation with an Electromagnetic Field with a 150 MHz Carrier Wave Pulsed with an Alternating 10 and 16 Hz Modulation. <https://www.frontiersin.org/articles/10.3389/fneur.2015.00158/full>

Effect of Exposure to Electromagnetic Fields (EMF's) on Monoamine Neurotransmitters of Newborn Rats. <https://www.omicsonline.org/open-access/effect-of-exposure-to-electromagnetic-fields-emfs-on-monoamine-neurotransmitters-of-newborn->

[rats-2168-9652-1000156.php?aid=54578](https://pubmed.ncbi.nlm.nih.gov/2168-9652-1000156.php?aid=54578)

Effects of Microwave Radiation on Brain Energy Metabolism and Related Mechanisms. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4440565/pdf/40779_2015_Article_33.pdf

Electronic Drug Addiction

Scientists Find That Smartphone Addiction Alters Your Brain Chemistry. <https://futurism.com/scientists-find-smartphone-addiction-alters-brain-chemistry/>

Smartphone Addiction Creates Imbalance in Brain. <https://www.prnewswire.com/news-releases/smartphone-addiction-creates-imbalance-in-brain-300558945.html>

Smart Phone Addiction Could Be Changing Your Brain. <http://edition.cnn.com/2017/11/30/health/smartphone-addiction-study/index.html>

How To Be More Addicted To Your Phone - Ultra Spiritual Life Episode 65. <https://www.youtube.com/watch?v=S1zJPuow8ps>

Smartphone Addiction - Tips for Breaking Free of Compulsive Smartphone Use. <https://www.helpguide.org/articles/addictions/smartphone-addiction.htm>

Electrical Brain Stimulation Beats Caffeine - and the Effects Last Longer. <https://www.nature.com/articles/19011a>

www.theguardian.com/science/2014/nov/19/electrical-brain-stimulation-caffeine

Has the Smart Phone Replaced the Cigarette?

<http://www.saferemr.com/2015/03/has-smart-phone-replaced-cigarette.html>

Our Love Affair with Digital Is Over. <https://www.nytimes.com/2017/11/18/opinion/sunday/internet-digital-technology-return-to-analog.html>



Entire civilisations have vanished due to seemingly innocuous obsessions.

Orbitofrontal Gray Matter Deficits as Marker of Internet Gaming Disorder: Converging Evidence from a Cross-sectional and Prospective Longitudinal Design.. <https://>

www.ncbi.nlm.nih.gov/pubmed/29057579

Mind Games

US Patent and Trademark Office "Mind Control" Patents Dating Back Decades. <https://youarenotmybigbrother.blog/2015/02/03/825/>

Electromagnetic Aspect of Mind Control: A Scientific Analysis. <http://waves.lima-city.de/dok/>

[Electromagnetic%20aspect%20of%20mind%20control%20-%20V.N.%20Binhi.pdf](http://waves.lima-city.de/dok/Electromagnetic%20aspect%20of%20mind%20control%20-%20V.N.%20Binhi.pdf)

HULU and Televisions Are Deadly, and I'll Prove It. <https://www.youtube.com/watch?v=qqtWomHSwok&feature=youtu.be>

The lure of instant gratification. Pizza Hut Wants to Read Your Mind. https://www.washingtonpost.com/news/the-switch/wp/2014/12/01/pizza-hut-wants-to-read-your-mind/?utm_term=.33b15b38d362



Mode of subliminal influence. Remembering That Big Things Sound Big: Sound Symbolism and Associative Memory. <https://cognitiveresearchjournal.springeropen.com/articles/10.1186/s41235-016-0047-y>

Neural Dust: an Ultrasonic, Low Power Solution for Chronic Brain-Machine Interfaces. <https://arxiv.org/pdf/1307.2196.pdf>

Safety Standards

Regulations, Bans and Warnings

Cell Phone Radiation May Be Dangerous To Your Health, California Health Officials Warn. <https://www.youtube.com/watch?v=JmDz0HOzvVU>

In vitro studies

Topic	Y (TR-164)	Y (ORSAA/ARPANSA DB)	N (TR-164)	N (ORSAA/ARPANSA DB)
Genotoxic	16	34 (+9 Synergistic Effect with mutagen and +1 Effect DNA Repair)	32	39 (+2 Effect Positive)
Proliferation/Apoptosis	25	59 (Apoptosis 26 Proliferation 33 (+1 Uncertain) Combined 59 (+1 Uncertain))	30	57 (Apoptosis 22 (+1 Effect Positive) Proliferation 35 Combined 57 (+1 Effect Positive))
Gene Expression	4	61 (+6 Uncertain Effect)	10	14
Stress Response/Heat Shock Proteins (HSP)	4	28 (3 at thermal levels) (+1 Uncertain Effect)	17	19
Intracellular Signalling	1	10 (+1 Uncertain Effect - synergistic with potassium-induced depolarization)	3	2
Membrane Effects	17	27	4	4 (+1 Effect Positive)
Direct Effects On Proteins	15	77 (+5 Uncertain Effects)	1	3
Oxidative Stress	N/S	17	N/S	11
Totals	82	313	97	149

TR-164
Effect 46% vs No Effect 54%

ORSAA
Effect 68% vs No Effect 32%



A revealing comparison between ARPANSA's review of EMR literature and that of independent body ORSAA. Click to enlarge.

Tumor Promotion by Exposure to
Radiofrequency Electromagnetic Fields Below
Exposure Limits for Humans. [http://
www.sciencedirect.com/science/article/pii/
S0006291X15003988](http://www.sciencedirect.com/science/article/pii/S0006291X15003988)

World Health Organization, Radiofrequency
Radiation and Health - A Hard Nut to Crack
(Review). [https://www.ncbi.nlm.nih.gov/pmc/
articles/PMC5504984/pdf/ijo-51-02-0405.pdf](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5504984/pdf/ijo-51-02-0405.pdf)

ICNIRP "Jumps the Gun": The Early Christmas
Gift for Telecoms. [https://
betweenrockandhardplace.wordpress.com/
2017/12/18/icnirp-jumps-the-gun-the-early-
christmas-gift-for-telecoms/](https://betweenrockandhardplace.wordpress.com/2017/12/18/icnirp-jumps-the-gun-the-early-christmas-gift-for-telecoms/)

The 2017 Nicosia Declaration on
Electromagnetic and Radiofrequency Radiation.
[https://ehtrust.org/2017-nicosia-declaration-
electromagnetic-radiofrequency-radiation/](https://ehtrust.org/2017-nicosia-declaration-electromagnetic-radiofrequency-radiation/)

Nicosia Declaration on Electromagnetic Fields/
Radiofrequencies. The 16 Practical Rules.
[https://ehtrust.org/wp-content/uploads/
PosStat-eng_sign-RUL-1.pdf](https://ehtrust.org/wp-content/uploads/PosStat-eng_sign-RUL-1.pdf)

Quotes From 21 Experts Regarding
Electromagnetic Fields and Health. [http://
www.saferemr.com/2017/10/quotes-from-21-
experts-regarding.html](http://www.saferemr.com/2017/10/quotes-from-21-experts-regarding.html)

EMF SA October 2017 Newsletter. The Other
Side of the Coin: Ivo Vegter and the Daily

Maverick, Part 1. <http://www.emfsa.co.za/news/side-coin-ivo-vegter-daily-maverick-part-1/>

Manipulative lab tests do not replicate actual phone use. Scientists Call for Cell Phone Tests to "Get Real", Claiming Simulated Results Grossly Misleading. <https://nyadagbladet.se/vetenskap/scientists-call-cell-phone-tests-get-real-claiming-simulated-results-grossly-misleading/>

Industry Watch

Product Defense, Liability, Legal Action

Why We Can't Leave AI in the Hands of Big Tech. <https://www.theguardian.com/science/2017/nov/03/why-we-cant-leave-ai-in-the-hands-of-big-tech>

DARPA Genetic Extinction Research a Mistake - Human Rights Watchdog. <https://sputniknews.com/military/201712111059884236-darpa-genetic-research-united-nations/>

Meet Sophia: The First Robot Declared a Citizen by Saudi Arabia. <https://www.youtube.com/watch?v=E8Ox6H64yu8>

Guest Blog "Phonagate: The Health and

Industrial Issues of a Global Scandal". <https://betweenrockandhardplace.wordpress.com/2017/12/08/guest-blog-phonegate-the-health-and-industrial-issues-of-a-global-scandal-by-marc-arazi/>

Huge Amounts of Radiation Won't Harm You, Pruitt's EPA Claims. <https://www.emfacts.com/2017/10/huge-amounts-of-radiation-wont-harm-you-pruitts-epa-claims/>

Tossing protective regulations out the window. Santa Fe Mayor Declares Emergency Over "Non-existent Cell Service". <http://www.kob.com/new-mexico-news/santa-fe-mayor-javier-gonzales-emergency-non-existent-cell-service/4703502/>

Congress Took \$101 Million in Donations from the ISP Industry - Here's How Much Your Lawmaker Got. <https://www.theverge.com/2017/12/11/16746230/net-neutrality-fcc-isp-congress-campaign-contribution>

Insight into Corporate Modus Operandi. New "Monsanto Papers" Add To Questions Of Regulatory Collusion, Scientific Mischief. http://www.huffingtonpost.com/entry/newly-released-monsanto-papers-add-to-questions-of_us_597fc800e4b0d187a5968fbf

How about similar funding for public education on safe phone use?. \$100 Million National Brain

Cancer Mission a Huge Victory. <http://www.dailytelegraph.com.au/news/nsw/100-million-national-brain-cancer-mission-a-huge-victory/news-story/e068c87630273d8908a3d3a4c546be6d>

Industry's strategy for disempowering opponents of phone towers, smart meters, etc. Master Suppression Techniques. https://en.wikipedia.org/wiki/Master_suppression_techniques

EMR Countermeasures

Personal Precautions, EMR Monitoring

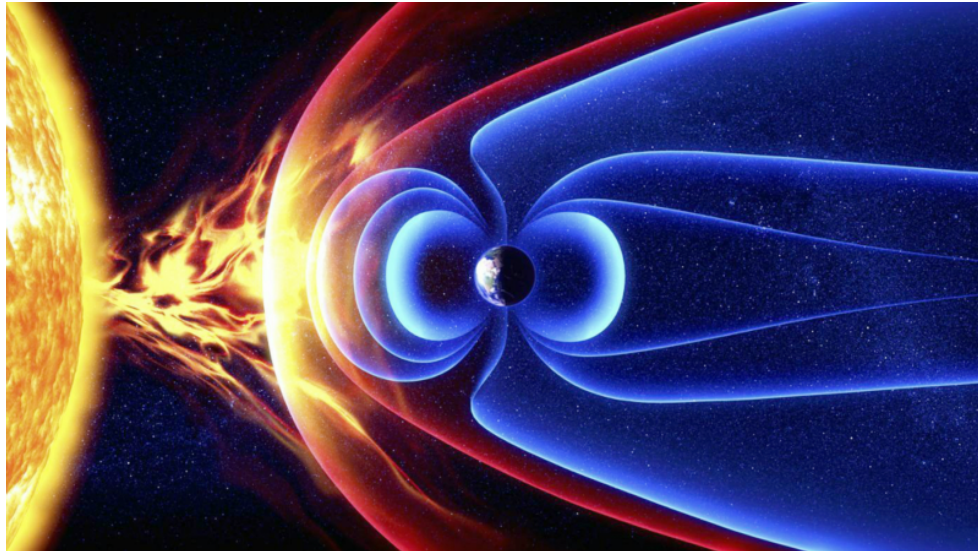
Pure Solitude, Away From Devices, Is Calming: New Research. <https://www.psychologytoday.com/blog/living-single/201711/pure-solitude-away-devices-is-calming-new-research>

Hack Together a Way to Connect an iPad Or iPhone Over Ethernet. <https://www.lifehacker.com.au/2016/04/hack-together-a-way-to-connect-an-ipad-or-iphone-over-ethernet/>

Living Simply with a Flip Phone. <https://www.youtube.com/watch?v=xFAGmxyd4j4>

Example of air-tube phone headset. Vest Anti-

radiation Bluetooth Headset. <http://www.vesttech.com/product/vest-anti-radiation-bluetooth-headset/>



Mobile phones can detect geomagnetic fields. CrowdMag App. NOAA's National Geophysical Data Center. <https://play.google.com/store/apps/details?id=gov.noaa.ngdc.wmm2&hl=en>

Be a Citizen Scientist with NOAA's CrowdMag App. <https://www.digitalgov.gov/2015/01/29/be-a-citizen-scientist-with-noaas-crowdmag-app/>

Gaussmeter App. <https://play.google.com/store/apps/details?id=com.keuwl.gaussmeter&hl=en>

Human Electrophysiological Signal Responses to ELF Schumann Resonance and Artificial Electromagnetic Fields. http://www.ece.uah.edu/~jovanov/papers/J2006_Cosic_ELF_Schumann_Resonance.pdf

Magnetite Biomineralization and Geomagnetic Sensitivity in Higher Animals: An Update and Recommendations for Future Study. <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.503.8829&rep=rep1&type=pdf>

Magnetite Biomineralization in the Human Brain. <http://www.pnas.org/content/89/16/7683.full.pdf>

General Events, Networking

5th Asian and Oceanic IRPA Regional Congress on Radiation Protection - 20-23 May 2018. <http://www.aocrp-5.org/>

Petition for NM legislators to vote NO! on the 2018 Wireless Consumer Advanced Infrastructure Investment Act. <https://actionnetwork.org/petitions/no-wireless-act>

Complete the online survey. Electrohypersensitivity Study. <https://www.golombresearchgroup.org/electrohypersensitivity>

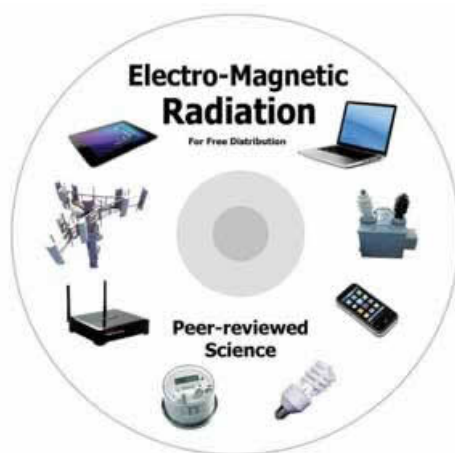
As part of a study on environmental sensitivities, Adrienne Brodie, a PhD candidate at La Trobe University, is seeking to interview persons living in Victoria affected by EHS. She may be contacted at:

16448145@students.latrobe.edu.au

Physicians for Safe Technology. <https://mdsafetech.org/>

California Brain Tumor Association. <http://www.calibta.org/>

Free DVD - Read the Science



This DVD is available free-of-charge to readers seeking a resource comprised entirely of peer-reviewed science on the adverse effects of EMR. It contains over 1,600 categorised articles and abstracts in PDF format. The same material and more can also be viewed and downloaded online at our [Scientific Evidence](#) page.

Notice

If you are an employee or agent of a public or private corporation that deals with electro technology and/or policy related to same, please be advised that the EMR Aware Newsletter and linked documents are deemed to

constitute duly served Legal Notice upon you personally of health and safety matters pertaining to human exposure to electromagnetic radiation (EMR), and additionally that you are hereby requested to peruse said Newsletter and linked documents, and exercise in accord with the content of same the utmost due diligence and duty of care.



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

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