5G is cruel, inhuman and degrading treatment under resolution 39/46

References to the document submitted on February 11th 2019 to the United Nations Human Rights Council (UNHRC) by the Planetary Association for Clean Energy (PACE, inc.)

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References #16 – Media lies

References #17 – Liability motive and the cover-up

References #18 – What is 5G?

References #19 – Satellites will beam 5G from above

References #20 – Pulsed millimetre waves and phased-array antennas

Reviews showing that pulsed EMFs are, in most cases, much more biologically active than are non-pulsed (continuous wave) EMFs of the same average intensity

References #21 – Millimetre waves and our body

References #22 – Millimetre waves, our eyes and our skin

References #23 – Russian roulette and insect populations

References #24 – 5G, human subjects experiments under UN Resolution 39/46

References #25 & #26 – Human and environmental rights violations are the norm

Additional international agreements, treaties, guidelines and recommendations being violated

1. The Universal Declaration of Human Rights (1948)


3. European Social Charter of October 18th 1961

4. The right to the highest attainable standard or physical and mental health

5. The United Nations Global Strategy for Women’s, Children’s and Adolescents’ Health (2016-2030)


11. Resolution 1815 (Council of Europe, 2011)


17. The Outer Space Treaty (1967)

References #1 – Big Tobacco


http://ark.cdlib.org/ark:/13030/ft8489p25j/


http://archive.tobacco.org/History/Tobacco_History.html

Oxysuisse - *Pourquoi l'affaire Université de Zürich - Philip Morris est très grave* - Association Oxysuisse, March 1st 2015.

http://www.oxyromandie.ch/node/53


John Cordina - *French programme claims Dalli targeted by tobacco lobby to delay introduction of stricter laws* – Malta Independent, October 9th 2014.


http://www.oxyromandie.ch/node/74

Aditya Kalra, Paritosh Bansal, Duff Wilson and Tom Lasseter - *Inside Philip Morris’ campaign to subvert the global anti-smoking treaty* – Philip Morris International is using its vast resources against efforts to reduce smoking. Internal company documents reveal details of the secretive operation - Reuters, July 13th 2017


Aditya Kalra, Paritosh Bansal, Duff Wilson and Tom Lasseter - *Philip Morris takes aim at young people in India, and health officials are fuming* – The world’s largest publicly traded tobacco company is marketing cigarettes in India in ways that government officials say violate the country’s anti-smoking laws – Reuters, July 18th 2017.


Aditya Kalra, Paritosh Bansal, Duff Wilson, Thomas Wilson, Ami Miyazaki and Tom Lasseter - *Scientists describe problems in Philip Morris e-cigarette experiments* – Ex-employees and contractors detail irregularities in the clinical trials that underpin Philip Morris intl’s application to the FDA for its iQOS smoking device - Reuters, December 20th 2017.


Aditya Kalra, Paritosh Bansal, Duff Wilson, Thomas Wilson, Ami Miyazaki and Tom Lasseter - *How Philip Morris is selling regulators on its hot new smoking device* – Philip Morris executives are lobbying health officials across the world on the benefits of iQOS. The device, they say, shouldn’t be categorized as a cigarette. - Reuters, December 21st 2017.


Aditya Kalra, Paritosh Bansal, Duff Wilson, Thomas Wilson, Ami Miyazaki and Tom Lasseter – Internal Philip Morris documents which include emails, powerpoint presentations, strategy papers and lobbying plans. - Reuters December 2017.

https://www.documentcloud.org/search/projectid:%2033738-the-philip-morris-files
References #2 – Bending science and unbridled lobbying

“Radiation Research” and The Cult of Negative Results – Microwave News, July 31, 2006. ISSN 0275-6595

https://microwavenews.com/sites/default/files/docs/mwn.7-06.RR.pdf


Lennart Hardell, Martin J. Walker, Bo Wallhjalt, Lee S. Friedman and Elihu D. Richter - Secret ties to industry and conflicting interests in cancer research - American Journal of Industrial Medicine, 2006. DOI: 10.1002/ajim.20357

http://mobilfunk-debatte.de/pdf/Mobilfunk_Politik/Hardellsecret_ties.pdf


https://doi.org/10.1002/ajim.22549


https://microwavenews.com/news-center/industry-studies-tend-come-empty
Steven Overly, Nancy Scola, John Hendel and Ashley Gold - *Tech and telecom lobbying roundup* – Politico.com, April 23rd 2018.


*Telefónica: the well-connected EU and Spanish lobbyist* – Corporate Europe Observatory, June 8th 2017.

[https://corporateeurope.org/power-lobbies/2017/06/telef-nica-well-connected-eu-and-spanish-lobbyist](https://corporateeurope.org/power-lobbies/2017/06/telef-nica-well-connected-eu-and-spanish-lobbyist)


Dr. Marcia Angell - *Transparency Hasn’t Stopped Drug Companies From Corrupting Medical Research* – New York Times, September 14th 2018.


**References #3 – EMR and its insidiousness.**

"*The truth about mobile phone and wireless radiation*" -- Dr Devra Davis

https://youtu.be/BwyDCHf5iCY

*CASUALTIES OF WAVES* - A film by Jean-Yves BILIEN

https://www.youtube.com/watch?v=DjGazbVRqpe

**References #4 – Dr. Richard Horton on the Reproducibility and Reliability of Medical Research.**


https://www.thelancet.com/pdfs/journals/lancet/PIIS0140-6736%2815%2960696-1.pdf
References #5 – When industry war games scientists.


https://youtu.be/NZl2MSHKlI

Henry Lai - Biological Effects of Radiofrequency Fields - Department of Bioengineering, University of Washington, Seattle, WA -


https://youtu.be/B9ycyWd8GMs


https://youtu.be/un-vXIzIIOo

References #6 – A brief introduction to EMR and its biological effects.


Claire Edwards - UN Staff Member: 5G Is War on Humanity – takebackyourpower.net, January 2019.

https://takebackyourpower.net/un-staff-member-5g-is-war-on-humanity/#_edn3


Governments and organizations that ban or warn against wireless technology – Cellphonetaskforce.org, 2018.

http://www.cellphonetaskforce.org/governments-and-organizations-that-ban-or-warn-against-wireless-technology/


Dr. R.S. Sharma, Indian government Senior Deputy Director General & Scientist of the Indian Council of Medical Research - *Ongoing Research from the Indian Medical Research Council on Cell Phones and Health* – George Washington University, June 9th 2015.

https://ehtrust.org/wp-content/uploads/2015/05/Dr.Sharma.pdf


Cindy Sage, David Carpenter et al. - “*The Bioinitiative Report*” - 2012


Arthur Firstenberg - *5G Space Appeal calling for a ban on 5G technology both on earth and in space signed by 525 scientists 354 doctors 906 organizations and 40’422 individuals from 110 countries* - September 2018.

https://www.5gspaceappeal.org/about/

218 international scientists and doctors from 41 nations co-sign “*The 5G appeal*” - 2017

http://www.5gappeal.eu/scientists-and-doctors-warn-of-potential-serious-health-effects-of-5g/

*The International Doctors’ Appeal (Freiburger Appeal).* 2012.

230 international scientists co-sign “The international EMF Scientist Appeal” addressed to Antonio Guterres, Secretary-General of the UN – Tedros Adhanom, Director-General of the WHO - Joyce Msuya, Acting Executive Director of the UN Environment Program and Assistant Secretary-General of the UN, May 11th 2015.


International Association of Firefighters - Position on the Health Effects from Radio Frequency/Microwave (RF/MW) Radiation in Fire Department Facilities from Base Stations for Antennas and Towers for the Conduction of Cell Phone Transmissions – August, 2004.

http://www.iaff.org/HS/Facts/CellTowerFinal.asp


Dr. Martin Blank, author of "Overpowered" – Testimony at Arizona Smart AMI AMR RF Transmitting Utility Meter Meeting 12th of December 2014.

https://www.youtube.com/watch?v=oHTXt-LMWIE&t=1365s

Cindy Sage, David Carpenter et al. - Reported Biological Effects from Radiofrequency Radiation at Low-Intensity Exposure (Cell Tower, Wi-Fi, Wireless Laptop and 'Smart' Meter RF Intensities) – Bioinitiative report, 2012.


References #7 – EMR and biological effects is old news.


Glaser Z. - *Bibliography of reported biological phenomena (Effects) and clinical manifestations attributed to microwave and radio-frequency radiation.* - Naval Medical Research Institute, October 4th 1971.


Glaser Z. - *Bibliography of reported biological phenomena (Effects) and clinical manifestations attributed to microwave and radio-frequency radiation.* - Naval Medical Research Institute, September 27th 1976.


*Biological Effects of Non-ionizing Electromagnetic Radiation – A digest of current litterature* – Franklin Research Center, Volume IV, Number 3, March 1980.


Glaser Z. - *Cumulated index to the bibliography of reported biological phenomena ('effects') and clinical manifestations attributed to microwave and radio-frequency radiation: report, supplements (no. 1-9).* BEMS newsletter (B-1 through B-464), 1971-1981.


https://ethw.org/Biological_Effects_of_Electromagnetic_Radiation
References #8 – Biological effects in plants, animals, insects and microbes.

Afzal M. and Mansoor S, - Effect of Mobile Phone Radiations on Morphological and Biochemical Parameters of Mung Bean (Vigna radiata) and Wheat (Triticum aestivum) Seedlings - Asian Journal of Agricultural Sciences, January 2012.

http://maxwellsci.com/print/ajas/v4-149-152.pdf


http://www.springerlink.com/content/e03764404274q481/


http://www.springerlink.com/content/e03764404274q481/


www.buergerwelle.de/pdf/effects_of_emf_on_white_stork.pdf


http://www.ingentaconnect.com/content/tandf/gtec/2006/00000088/00000002/art00010;jsessionid=45daaaisp3s1s.alexandra


http://ibe.sagepub.com/content/10/5/291.abstract


http://informahealthcare.com/doi/abs/10.1080/15368378409035962


http://www.theriojournal.com/article/S0093-691X(10)00047-6/abstract


Bigu-del-Blanco and Romero-Sierra (1975). The properties of bird feathers as converse piezoelectric transducers and as receptors of microwave radiation. II. Bird feathers as dielectric receptors of microwave radiation. Biotelemetry 2:354-634


http://www.springerlink.com/content/0028-1042/81/7/


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2667019/


https://www.buergerwelle.de/assets/files/radiation_is_killing_the_bees.htm?cultureKey=&q=pdf/radiation_is_killing_the_bees.htm


Cramer, G. (2007). HAARP Transmissions May Accidentally be Jamming Bees Homing Ability

http://www.hyperstealth.com/haarp/index.htm


http://audubon-omaha.org/bbbox/nabs/pdtg1.htm


http://ssmrae.com/admin/images/df68afa10cc9d1545ce7a5f0460bdf.pdf


http://www.nature.com/nature/journal/v191/n4792/abs/191976a0.html


http://www.springerlink.com/content/bx23551862212177/fulltext.pdf


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1566687/


http://dspace.aua.gr/xmlui/bitstream/handle/10329/817/Gabr_A.pdf?sequence=1


http://www.springerlink.com/content/x848210574v142m7/

http://www.springerlink.com/content/x848210574v142m7/


http://jeb.biologists.org/content/200/9/1363.full.pdf+html


http://www.springerlink.com/content/v6406173767q7445/


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3052591/


http://www.sciencemag.org/content/195/4280/777.2.abstract


[www.croww.org/study-effects.pdf](http://www.croww.org/study-effects.pdf)


http://jeb.biologists.org/content/211/23/3682.full


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2705803/?tool=pubmed


http://www.nebi.nlm.nih.gov/pubmed/17045516


http://www.ingentaconnect.com/content/esa/envent/1978/00000007/00000003/art00032


http://ukpmc.ac.uk/abstract/MED/17571627


http://www.journals_elsevierhealth.com/periodicals/anirep/article/S0378-4320(02)00273-7/abstract


http://ipublishing.co.in/jesvol1no12010/EIJES2044.pdf


DOI: 10.1016/0048-9697(95)04921-5


http://www.emf-portal.de/viewer.php?l=g&aid=18903


http://www.sciencemag.org/content/189/4197/143.short


https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5298474


http://www.jmpee.org/JMPEE_PDFs/04-2_bl/JMPEE-Vol4-Pg122-Tanner.pdf


Tanner, J.A. & DR. Sierra, romero (1973) Dept of Anatomy, Queen University, Kingston Canada Extract from LTR- Cs-89. “*Bird Feathers as Dialectic Receptors of Microwave Radiation.*”


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1851986/


[http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1328408/](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1328408/)


References #9 – Health impacts of EMR.

Endocrine, including neuroendocrine systems, impacted by non-thermal EMF exposures:


https://scholar.google.com/scholar?q=Glaser+naval+medical+microwave+radio-frequency+1972&btnG=&hl=en&as_sdt=0%2C38


Pall ML. *Wi-Fi is an important threat to human health*. Environ Res 164:404-416. 2018

Wilke I. *Biological and pathological effects of 2.45 GHz on cells, fertility, brain and behavior*. Umwelt Medizin Gesselscha; 2018 Feb 31 (1).
Effects of radiofrequency EMF exposure on reproduction and development:

Avendaño, Mata AM, Sanchez Sarmiento CA. Use of laptop computers connected to the internet through Wi-Fi deceases human sperm motility and increases sperm DNA fragmentation. Fertil Steril 97: No. 1, January 2012 0015-8282.


**Prenatal exposure to EMF non-thermal radiation can produce neurological effects:**


Ferreira AR1, Knakievicz T, Pasquali MA, Gelain DP, Dal-Pizzol F, Fernández CE, de Salles AA, Ferreira HB, Moreira JC. - Ultra high frequency-electromagnetic field irradiation during pregnancy leads to an increase in erythrocytes micronuclei incidence in rat offspring. - Life Sciences, 2006 Dec 3;80(1):43-50. DOI: 10.1016/j.lfs.2006.08.018


**EMF exposure has important role in cancer causation:**


Neurological and neuropsychiatric effects of non-thermal EMF exposures both in animals and in humans:


http://www.dtic.mil/docs/citations/AD0642029


https://scholar.google.com/scholar?q=Glaser+naval+medical+microwave+radio-frequency+1972&btnG=&hl=en&as_sdt=0%2C38


Pall ML. 2016 Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression. J Chem Neuroanat 75(Pt B):43-51. doi: 10.1016/j.jchemneu.2015.08.001.


Pall ML. 2018 Wi-Fi is an important threat to human health. Environ Res 164:404-416.

Wilke I. 2018 Biological and pathological effects of 2.45 GHz on cells, fertility, brain and behavior. Umwelt Medizin Gesselscha; 2018 Feb 31 (1).

**Effects on cellular DNA including single-strand and double-strand breaks in cellular DNA and on oxidized bases in cellular DNA; also evidence for chromosomal mutations produced by double-strand DNA breaks:**


https://scholar.google.com/scholar?q=Glaser+naval+medical+microwave+radio-frequency+1972&btnG=&hl=en&as_sdt=0%2C38


doi.org/10.5653/cerm.2012.39.1.1


Pall ML. 2018 How cancer can be caused by microwave frequency electromagnetic field (EMF) exposures: EMF activation of voltage-gated calcium channels (VGCCs) can cause cancer including tumor promotion, tissue invasion and metastasis via 15 mechanisms. Chapter 7 in Mobile Communications and Public Health, Marko Markov, Ed., CRC press, pp 163-184.

Pall ML. 2018 Wi-Fi is an important threat to human health. Environ Res 164:404-416.

Wilke I. 2018 Biological and pathological effects of 2.45 GHz on cells, fertility, brain and behavior. Umwelt Medizin Gesselsha; 2018 Feb 31 (1).
Lowered fertility, including tissue remodeling changes in the testis, lowered sperm count and sperm quality, lowered female fertility including ovarian remodeling, oocyte (follicle) loss, lowered estrogen, progesterone and testosterone levels (that is sex hormone levels), increased spontaneous abortion incidence, lowered libido:


https://scholar.google.com/scholar?q=Glaser+naval+medical+microwave+radio-frequency+1972&btnG=&hl=en&as_sdt=0%2C38


Nazıroğlu M, Yüksel M, Köse SA, Özkaya MO. 2013 Recent reports of Wi-Fi and mobile phone-induced radiation on oxidative stress and reproductive signaling pathways in females and males. JMembr Biol 246:869-875.


Pall ML. 2018 Wi-Fi is an important threat to human health. Environ Res 164:404-416.

Wilke I. 2018 Biological and pathological effects of 2.45 GHz on cells, fertility, brain and behavior. Umwelt Medizin Gesellschaft; 2018 Feb 31 (1).

**Neurological and neuropsychiatric effects:**


http://www.dtic.mil/docs/citations/AD0642029

https://scholar.google.com/scholar?q=Glaser+naval+medical+microwave+radio-frequency+1972&btnG=&hl=en&as_sdt=0%2C38


Pall ML. 2018 Wi-Fi is an important threat to human health. Environ Res 164:404-416.

Wilke I. 2018 Biological and pathological effects of 2.45 GHz on cells, fertility, brain and behavior. Umwelt Medizin Gesselsha; 2018 Feb 31 (1).

Apoptosis/cell death:


https://scholar.google.com/scholar?q=Glaser+naval+medical+microwave+radio-frequency+1972&btnG=&hl=en&as_sdt=0%2C38


Pall ML. 2016 Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression. J Chem Neuroanat 75(Pt B):43-51. doi: 10.1016/j.jchemneu.2015.08.001.


Pall ML. 2018 Wi-Fi is an important threat to human health. Environ Res 164:404-416.

**Oxidative stress/free radical damage (important mechanisms involved in almost all chronic diseases; direct cause of cellular DNA damage):**


Naziroğlu M, Yüksel M, Köse SA, Özkaya MO. 2013 Recent reports of Wi-Fi and mobile phone-induced radiation on oxidative stress and reproductive signaling pathways in females and males. JMembr Biol 246:869-875.


Ali Masoumi, Narges Karbalaei, S.M.J Mortazavi & Mohammad Shabani - Radiofrequency radiation emitted from Wi-Fi (2.4 GHz) causes impaired insulin secretion and increased oxidative stress in rat pancreatic islets. - International Journal of Radiation Biology, To link to this article:

https://doi.org/10.1080/09553002.2018.1490039


Pall ML. 2018 Wi-Fi is an important threat to human health. Environ Res 164:404-416.

Wilke I. 2018 Biological and pathological effects of 2.45 GHz on cells, fertility, brain and behavior. Umwelt Medizin Gesellscha; 2018 Feb 31 (1).

Thrivikraman G, Boda SK, Basu B. 2018 Unraveling the mechanistic effects of electric field stimulation towards directing stem cell fate and function: A tissue engineering perspective. Biomaterials 150:60-86. doi: 10.1016/j.biomaterials.2017.10.003

https://scholar.google.com/scholar?q=Glaser+naval+medical+microwave+radio-frequency+1972&btnG=&hl=en&as_sdt=0%2C38


Wilke I. 2018 Biological and pathological effects of 2.45 GHz on cells, fertility, brain and behavior. Umwelt Medizin Gesselscha; 2018 Feb 31 (1).


Pall ML. 2018 Wi-Fi is an important threat to human health. Environ Res 164:404-416.

**Increased intracellular calcium (produces many pathophysiological, that is disease-causing, responses):**


Funk RHW, Monsees T, Özkucur N. 2009 Electromagnetic effects—Form cell biology to medicine. Prog Histochem Cytochem 43:177-264.


Pall ML. 2016 Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression. J Chem Neuroanat 75(Pt B):43-51. doi: 10.1016/j.jchemneu.2015.08.001.


Thrivikraman G, Boda SK, Basu B. 2018 Unraveling the mechanistic effects of electric field stimulation towards directing stem cell fate and function: A tissue engineering perspective. Biomaterials 150:60-86. doi: 10.1016/j.biomaterials.2017.10.003
Cancer causation by EMF exposures:


Adey WR. 1990 Joint actions of environmental nonionizing electromagnetic fields and chemical pollution in cancer promotion. Environ Health Perspect 86:297-305.


Goldsmith JR. 1997 Epidemiologic evidence relevant to radar (microwave) effects. Env Health Perspect 105(Suppl 6):1579-1587.


http://www.bioinitiative.org/participants/why-we-care/


Davis DL, Kesari S, Soskolne CL, Miller AB, Stein Y. 2013 Swedish review strengthens grounds for concluding that radiation from cellular and cordless phones is a probable human carcinogen. Pathophysiology 20;123-129.


https://doi.org/10.1155/2017/9218486


Miller A. 2017 References on cell phone radiation and cancer.

Pall ML. 2018 How cancer can be caused by microwave frequency electromagnetic field (EMF) exposures: EMF activation of voltage-gated calcium channels (VGCCs) can cause cancer including tumor promotion, tissue invasion and metastasis via 15 mechanisms. Chapter 7 in: Mobile Communications and Public Health, Marko Markov, Ed., CRC Press, pp 163-184.


Studies which have found other biological effects:

Sultan Ayoub Meo, Yazeed Alsubaie, Zaid Almubarak, Hisham Almutawa, Yazeed AlQasem and Rana Muhammed Hasanato - 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. - Int. J. Environ. Res. Public Health 2015, 12, 14519-14528


https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1475937/

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3522782/

List of more than 1,000 recent scientific studies conducted by independent researchers from around the world concerning the biological effects of RF radiation. They include, Effects On Fetal And Newborn Development, Effects On Young Children, Brain Tumors, Parotid Gland Tumors, Other Malignancies, Effects On DNA, Neurological/Cognitive Effects, Effects On Male Fertility, Electromagnetic Sensitivity, Effects On Implanted Medical Devices, 5G Effects and Miscellaneous Articles.

https://www.telecompowergrab.org/science.html

Effects on Children:


https://doi.org/10.1016/j.jmau.2014.06.005


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3909745/

http://www.nature.com/articles/srep00540


https://www.researchgate.net/publication/49665228_Cell_phone_use_and_behavioural_problems_in_young_children


http://pediatrics.aappublications.org/content/116/2/e303

Studies which have found that late prenatal EMF exposures in rodents produce long-term neurological changes which are maintained as adults, changes similar to those found in ADHD or autism:


https://www.theatlantic.com/amp/article/534198/


Effects On Implanted Medical Devices


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3716957/


http://cdn.intechopen.com/pdfs-wm/13783.pdf


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1564060/


http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1564059/


References #10 - electrosensitivity (ES) and electrohypersensitivity (EHS).


www.ncbi.nlm.nih.gov/pubmed/21793784


Liakouris, A. - "Radiofrequency (RF) Sickness in the Lilienfeld Study: An Effect of Modulated Microwaves?" - Archives of Environmental Health 236-238 (2010).


https://www.researchgate.net/publication/281261829_Microwave_frequency_electromagnetic_fields_EMFs_produce_widespread_neuropsychiatric_effects_including_depression


http://bmjopen.bmj.com/content/3/12/e003836.full

Schroeder E. **Stakeholder perspectives on amending the 26th Federal Emission Control Ordinance. Results of the nationwide telephone survey ordered by the Federal Office of Radiation Protection.** Schr/bba 04.02.26536.020, Munich, Germany, 2002, in German.


“**Electrosensitive Testimonials.**” We Are The Evidence, wireless technology injured advocacy group, 2018.


Magda Havas, PhD, Associate Professor of Environmental & Resource Studies at Trent University explains why some firefighters experienced electrohypersensitivity (EHS) when cell towers were placed near or on their fire stations. At time 32:53, a Toronto woman describes in detail the slow development of symptoms of EHS in she and her daughter when a cell tower was placed on the top floor of her apartment just above where they lived. After the acute exposure they both became sensitive to devices they were not sensitive to before.

[https://youtu.be/AEOcB7Svhvw](https://youtu.be/AEOcB7Svhvw)

**Electro Hypersensitivity: Talking to Your Doctor.** Canadian Initiative to Stop Wireless, Electric, and Electromagnetic Pollution.

[http://weepinitiative.org/talkingtoyourdoctor.pdf](http://weepinitiative.org/talkingtoyourdoctor.pdf)

**Short Film about WiFi Refugees** – emfanalysis youtube channel, June 6th 2015.

[https://www.youtube.com/watch?v=MIJ-YnKVwVU](https://www.youtube.com/watch?v=MIJ-YnKVwVU)
References #11 – We are the guinea pigs!

Compilation of measures and recommendations by governments and international organizations and court rulings on health effects caused by electromagnetic (EM) radiation from wireless communication (smartphones, WiFi, cell towers, etc.). Last updated January 29th 2019.


References #12 – The precautionary principle is dead.


www.who.int/ifcs/documents/forums/forum5/wingspread.doc


https://www.who.int/docstore/peh-emf/publications/facts_press/EMF-Precaution.htm


https://unesdoc.unesco.org/ark:/48223/pf0000139578

Journals Address Conflicts of Interest, Microwavenews.com, September 21st 2006.

https://microwavenews.com/news-center/journals-address-conflicts-interest
References #13 – 5G. let’s increase the dose!


https://youtu.be/Zo6Wbi2UYQ0?list=PLT6DbkXhTGoBmSJ3hFcJFavw4JbLw6tnw


Senator Patrick Colbeck - *Testimony against 5G at a Michigan Senate session* – March 15th 2018.

https://www.youtube.com/watch?v=hkDDQqDVsbk&feature=youtu.be


https://www.youtube.com/watch?v=j-UEuOYOED4&feature=youtu.be

Dafna Tachover and Paul Héroux - *Testimonies against 5G during Michigan Senate 5G hearings. May 29th 2018.*

https://youtu.be/ITo7imWb5bM


[https://youtu.be/2JI7-9_FRYc](https://youtu.be/2JI7-9_FRYc)

Dr. Sharon Goldberg - **Michigan House Energy Policy Committee 10/4/18 Testimony Key Points/References on 5G Associated Health Issues**. Full written testimony.


**References #14 – WHO, FCC, FDA and others, conflicts of interests are rampant.**

Energy and Commerce Chairman Frank Pallone, Jr. (D-NJ) and Communications and Technology Subcommittee Chairman Mike Doyle (D-PA) letter to Federal Communications Commission (FCC) Chairman Ajit Pai. - “**Under your leadership, the FCC has failed repeatedly to act in the public interest and placed the interest of corporations over consumers**”. - February 4th 2019.


FCC Chairman Tom Wheeler on 5G: **“We won’t study it, regulate it, have standards for it.”** Youtube. June 20th 2016.

[www.youtube.com/watch?v=Bwgwe01SIMc](http://www.youtube.com/watch?v=Bwgwe01SIMc)


[https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5504984/](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5504984/)

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Judith Richter - *Time to turn the tide: WHO's engagement with non-state actors and the politics of stakeholder governance and conflicts of interest.* - BMJ 2014;348:g3351. May 19th 2014. [https://doi.org/10.1136/bmj.g3351](https://doi.org/10.1136/bmj.g3351)

The ‘Russian National Committee on Non-Ionizing Radiation Protection (RNCNIRP)’ warns the WHO for its unbalanced EMR Working group, consisting mainly of present and past ICNIRP members who do not recognize the biological effects of EMR. March 2017.


[https://microwavenews.com/Ahlbom.html](https://microwavenews.com/Ahlbom.html)


[https://microwavenews.com/IARC.RF.html](https://microwavenews.com/IARC.RF.html)


*Lost Research Opportunities - Industry Treads Water; Conflicts Abound* – Microwavenews.org, February 25th 2014.


https://microwavemews.com/news-center/rsc-sc6


Statement from Jeffrey Shuren, M.D., J.D., director of the FDA’s Center for Devices and Radiological Health on the recent National Toxicology Program draft report on radiofrequency energy exposure – US Food & Drug Administration (FDA), February 2nd 2018.

https://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm595144.htm


Jeffrey and Allison Shuren’s conflicts of interests - *At FDA, a new goal, then a push for speedy device reviews* – Associated Press, November 28th 2018.

https://www.apnews.com/9f8ea03a4d324d1ba5585680d280804b

References #15 – WHO, ICNIRP, SCENIHR, ITU, conflicts of interests are the norm.

Martin L. Pall - Response to 2018 ICNIRP Draft Guidelines and Appendices on Limiting Exposure to Time-Varying Electric, Magnetic and Electromagnetic Fields (100 kHz to 300 GHz) - Washington State University, October 8th 2018.

https://tinyurl.se/pall

There appears to be a conflict of interest between the WHO and ICNIRP – Vallisoletana Association of people affected my mobile phone antennas (AVAATE), July 10th 2015.


SCENIHR members' history (bias and conflicts of interest)


Bias in the assessment of Electromagnetic Fields (EMF) - Over 40 NGOs lodge a complaint to the European Ombudsman over SCENIHR report – Swedish Radiation Protection Foundation, 2015.


References #16 – Media lies.


David Gorski - *The Nation indulges in fear mongering about cell phones and cancer* – Science Based Medicine, April 2\textsuperscript{nd} 2018.


Benjamin Mazer - *Bad Faith: When conspiracy theorists play academics and the media for fools* - Science Based Medicine, July 16\textsuperscript{th} 2018.


References #17 – Liability motive and the cover-up.


References #18 – What is 5G?


https://www.rcrwireless.com/20161020/network-infrastructure/att-outlines-5g-network-architecture-tag4


References #19 – Satellites will beam 5G from above.


http://www.cellphonetaskforce.org/planetary-emergency.

Williams ER. - The global electrical circuit: a review. - Atmospheric Research, 2009;91(2):140-152. doi:10.1016/j.atmosres.2008.05.018


www.tandfonline.com/doi/abs/10.1080/09291017109359276


https://doi.org/10.1016/0021-9169(85)90089-3


https://doi.org/10.1029/JA084iA06p02657


https://swfound.org/media/206289/swf_space_sustainability-a_practical_guide_2018__1.pdf


https://www.aviationdisasterlaw.com/liability-for-space-debris/


http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1020&context=spacelaw
Federal Communications Commission (FCC) - SpaceX V-Band NGSO Constellation Approval - Complete system technical data. April 2016.

http://licensing.fcc.gov/myibfs/download.do?attachment_key=1200245


http://licensing.fcc.gov/myibfs/download.do?attachment_key=1326688

Federal Communications Commission (FCC) - The Boeing Company requests authority to launch and operate the V-band segment of the NGSO System providing fixed satellite service in the 37.5-42.5 GHz (space-to-Earth), 47.2-50.2 GHz (Earth-to-space) and 50.4-52.4 GHz (Earth-to-space) bands. April 2016.

http://licensing.fcc.gov/myibfs/download.do?attachment_key=1199797


http://licensing.fcc.gov/myibfs/download.do?attachment_key=1199822


http://licensing.fcc.gov/myibfs/download.do?attachment_key=1297920


http://licensing.fcc.gov/myibfs/download.do?attachment_key=1200245

References #20 - Pulsed millimetre waves and phased-array antennas.


https://qmro.qmul.ac.uk/xmlui/bitstream/handle/123456789/11924/Alomainy%20Terahertz%20Channel%20Characterization%202016%20Accepted.pdf?sequence=1


http://dx.doi.org/10.1088/0031-9155/54/11/005


https://youtu.be/VuVtGldYXK4?list=PLT6DbkXhTGoBmSJ3hFcJFavw4JbLw6tnw


https://ieeexplore.ieee.org/document/7942144
Reviews showing that pulsed EMFs are, in most cases, much more biologically active than are non-pulsed (continuous wave) EMFs of the same average intensity:


https://youtu.be/QvPg1AyQ43I

References #21 – Millimetre waves and our body.


References #22 – Millimetre waves, our eyes and our skin.


References #23 – Russian roulette and insect populations.


http://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0185809&type=printable

References #24 – 5G, human subjects experiments under UN Resolution 39/46.

Convention against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment (39/46). See Article 16.

http://www.un-documents.net/a39r46.htm


http://www.un-documents.net/iccpr.htm


The Nüremberg Code applies to all experiments on humans, thus including the deployment of 5G with new, higher RF radiation exposure that has not been pre-market tested for safety. “The voluntary consent of the human subject is absolutely essential” (art. 1). Exposure to 5G will be involuntary. “No experiment should be conducted, where there is an a priori reason to believe that death or disabling injury will occur” (art. 5).
The findings of over 10,000 scientific studies and the voices of hundreds of international organizations representing hundreds of thousands of members who have suffered disabling injury and been displaced from their homes by already-existing wireless telecommunications facilities, are “a priori reasons to believe that death or disabling injury will occur”. Also, we are light years away from “Informed consent”.


The Significance of the Nuremberg Code – as it applies to 5G – CEP, February 1st 2019.

https://www.electrosmogprevention.org/international-electrosmog-prevention-news/stop-5g/the-significance-of-the-nuremberg-code-as-it-applies-to-5g/

References #25 & #26 – Human and environmental rights violations are the norm.

World Medical Association Declaration of Helsinki - Ethical Principles for Medical Research Involving Human Subjects – Originally adopted by the 18th WMA General Assembly, Helsinki, Finland, June 1964 and subsequently complemented until the 64th WMA General Assembly, Fortaleza, Brazil, October 2013.


Standards and operational guidance for ethics review of health-related research with human participants of the WHO (2011).

https://apps.who.int/iris/bitstream/handle/10665/44783/9789241502948_eng.pdf?jsessionid=84A8770C0A05F4493339B34D2EF0BA27?sequence=1


https://rm.coe.int/CoERMPublicCommonSearchServices/DisplayDCTMContent?documentId=090000168007cf98

Additional international agreements, treaties, guidelines and recommendations being violated:

1. The Universal Declaration of Human Rights (1948).

“Everyone has the right to life, liberty and security of person” (art. 3).

“No one shall be subjected to torture or to cruel, inhuman or degrading treatment or punishment” (art. 5).


Everyone's right to life shall be protected by law (art 2.1).

No one shall be subjected to torture or to inhuman or degrading treatment or punishment (art. 3).


Part I The Contracting Parties accept as the aim of their policy, to be pursued by all appropriate means, both national and international in character, the attainment of conditions in which the following rights and principles may be effectively realized:

3. All workers have the right to safe and healthy working conditions.

7. Children and young persons have the right to a special protection against the physical and moral hazards.

8. Employed women, in case of maternity, and other employed women as appropriate, have the right to a special protection in their work.

11. Everyone has the right to benefit from any measures enabling him to enjoy the highest possible standard of health attainable.

Article 7 – The right of children and young persons to protection.

With a view to ensuring the effective exercise of the right of children and young persons to protection, the Contracting Parties undertake:

10. to ensure special protection against physical and moral dangers to which children and young persons are exposed, and particularly against those resulting directly or indirectly from their work.

Article 11 – The right to protection of health

With a view to ensuring the effective exercise of the right to protection of health, the Contracting Parties undertake, either directly or in cooperation with public or private organizations, to take appropriate measures designed inter alia:

1. to remove as far as possible the causes of ill health;

2. to provide advisory and educational facilities for the promotion of health and the encouragement of individual responsibility in matters of health;

3. to prevent as far as possible epidemic, endemic and other diseases.

https://www cvce eu/content/publication/2003/3/7/e71c737f-4af8-41c3-9426-43bbf1cd0f00/ publishable_en.pdf
4. The right to the highest attainable standard or physical and mental health

As set out in article 12 of the International Covenant on Economic, Social and Cultural Rights.

Article 12 provides as follows:

1. The States Parties to the present Covenant recognize the right of everyone to the enjoyment of the highest attainable standard of physical and mental health.

2. The steps to be taken by the States Parties to the present Covenant to achieve the full realization of this right shall include those necessary for:

(a) The provision for the reduction of the still birth-rate and of infant mortality and for the healthy development of the child;

(b) The improvement of all aspects of environmental and industrial hygiene;

(c) The prevention, treatment and control of epidemic, endemic, occupational and other diseases;

(d) The creation of conditions which would assure to all medical service and medical attention in the event of sickness.

https://www.ohchr.org/EN/ProfessionalInterest/Pages/CESCR.aspx

5. The United Nations Global Strategy for Women’s, Children’s and Adolescents’ Health (2016-2030)

[…] has as objectives and targets to “transform”, by expanding enabling environments; to “survive”, by reducing maternal and newborn mortality; and to “thrive” by ensuring health and well-being and reducing pollution-related deaths and illnesses.


Preamble:

(a) Recalling the principles proclaimed in the Charter of the United Nations which recognize the inherent dignity and worth and the equal and inalienable rights of all members of the human family as the foundation of freedom, justice and peace in the world,

(b) Recognizing that the United Nations, in the Universal Declaration of Human Rights and in the International Covenants on Human Rights, has proclaimed and agreed that everyone is entitled to all the rights and freedoms set forth therein, without distinction of any kind,

(c) Reaffirming the universality, indivisibility, interdependence and interrelatedness of all human rights and fundamental freedoms and the need for persons with disabilities to be guaranteed their full enjoyment without discrimination,

(d) Recalling the International Covenant on Economic, Social and Cultural Rights, the International Covenant on Civil and Political Rights, the International Convention on the Elimination of All Forms of Racial Discrimination, the Convention on the Elimination of All Forms of Discrimination against Women, the Convention against Torture and Other Cruel, Inhuman or Degrading Treatment or Punishment, the Convention on the Rights of the Child, and the International Convention on the Protection of the Rights of All Migrant Workers and Members of Their Families,

(e) Recognizing that disability is an evolving concept and that disability results from the interaction between persons with impairments and attitudinal and environmental barriers that hinders their full and effective participation in society on an equal basis with others,

etc.


Fundamental concepts in disability policy (Page 6).

17. The term "disability" summarizes a great number of different functional limitations occurring in any population in any country of the world. People may be disabled by physical, intellectual or sensory impairment, medical conditions or mental illness. Such impairments, conditions or illnesses maybe permanent or transitory in nature.

18. The term "handicap" means the loss or limitation of opportunities to take part in the life of the community on an equal level with others. It describes the encounter between the person with a disability and the environment. The purpose of this term is to emphasize the focus on the short comings in the environment and in many organized activities in society, for example, information, communication and education, which prevent persons with disabilities from participating on equal terms.

19. The use of the two terms "disability" and "handicap", as defined in paragraphs 17 and 18 above, should be seen in the light of modern disability history. During the 1970s there was a strong reaction among representatives of organizations of persons with disabilities and professionals in the field of disability against the terminology of the time. The terms "disability" and "handicap" were often used in an unclear and confusing way, which gave poor guidance for policy-making and for political action. The terminology reflected a medical and diagnostic approach, which ignored the imperfections and deficiencies of the surrounding society.

22. The term "prevention" means action aimed at preventing the occurrence of physical, intellectual, psychiatric or sensory impairments (primary prevention) or at preventing impairments from causing a permanent functional limitation or disability (secondary prevention). Prevention may include many different types of action, such as primary health care, prenatal and postnatal care, education in nutrition, immunization campaigns against communicable diseases, measures to control endemic diseases, safety regulations, programs for the prevention of accidents in different environments, including adaptation of workplaces to prevent occupational disabilities and diseases, and prevention of disability resulting from pollution of the environment or armed conflict.

… And just about every rule stated thereafter are violated.


States shall “undertake to ensure the child such protection and care as is necessary for his or her well-being” (art. 3),

States Parties recognize the right of the child to the enjoyment of the highest attainable standard of health and to facilities for the treatment of illness and rehabilitation of health. States Parties shall strive to ensure that no child is deprived of his or her right of access to such health care services (art. 24.1).

States Parties shall pursue full implementation of this right and, in particular, shall take appropriate measures (art. 24.2):

(c) To combat disease and malnutrition, including within the framework of primary health care, through, inter alia, the application of readily available technology and through the provision of adequate nutritious foods and clean drinking-water, taking into consideration the dangers and risks of environmental pollution;


It stated that “There is a need to inform the public of the potential effects of exposure to electromagnetic fields (EMFs)” and invited Member States “to adopt suitable measures in order to ensure compliance with relevant international recommendations to protect health against the adverse effect of EMF”. https://www.itu.int/dms_pub/itu-t/opb/res/T-RES-T.72-2012-PDF-E.pdf

“The European Parliament notes that the limits on exposure to electromagnetic fields which have been set for the general public are obsolete, … obviously take no account of developments in information and communication technologies, of the recommendations issued by the European Environment Agency or of the stricter emission standards adopted, for example, by Belgium, Italy and Austria, and do not address the issue of vulnerable groups, such as pregnant women, newborn babies and children.”


The potential dangers of electromagnetic fields and their effect on the environment: “Take all reasonable measures to reduce exposure to electromagnetic fields, especially to radio frequencies from mobile phones, and particularly the exposure to children and young people.”

Also worth noting, Part 4: While electrical and electromagnetic fields in certain frequency bands have wholly beneficial effects which are applied in medicine, other non-ionising frequencies, whether from extremely low frequencies, power lines or certain high frequency waves used in the fields of radar, telecommunications and mobile telephony, appear to have more or less potentially harmful, non-thermal, biological effects on plants, insects and animals as well as the human body, even when exposed to levels that are below the official threshold values.


“The discharge of toxic substances… in such quantities or concentrations as to exceed the capacity of the environment to render them harmless, must be halted in order to ensure that serious or irreversible damage is not inflicted upon ecosystems” (principle 6).

http://www.un-documents.net/unchedec.htm

“Activities which are likely to cause irreversible damage to nature shall be avoided… [W]here potential adverse effects are not fully understood, the activities should not proceed” (art. 11).


PRINCIPLE 1: Human beings are at the centre of concerns for sustainable development. They are entitled to a healthy and productive life in harmony with nature.

PRINCIPLE 2: States have, in accordance with the Charter of the United Nations and the principles of international law, the sovereign right to exploit their own resources pursuant to their own environmental and developmental policies, and the responsibility to ensure that activities within their jurisdiction or control do not cause damage to the environment of other States or of areas beyond the limits of national jurisdiction.

PRINCIPLE 3: The right to development must be fulfilled so as to equitably meet developmental and environmental needs of present and future generations.

PRINCIPLE 4: In order to achieve sustainable development, environmental protection shall constitute an integral part of the development process and cannot be considered in isolation from it.

http://www.unesco.org/education/pdf/RIO_E.PDF


“There is an urgent need to… create more effective national and regional policy responses to environmental threats to human health” (para. 54(k)).

https://sustainabledevelopment.un.org/milestones/wssd

“The Parties shall… take all appropriate measures to prevent, mitigate and eliminate to the maximum extent possible, detrimental effects on the environment, in particular from radioactive, toxic, and other hazardous substances and wastes” (art. 13).


17. The Outer Space Treaty (1967)

Which requires that the use of outer space be conducted “so as to avoid [its] harmful contamination and also adverse changes in the environment of the Earth”(art. IX).


Address, to the extent practicable, risks to people, property, public health and the environment associated with the launch, in-orbit operation and re-entry of space objects (Guideline A.2,2 c).