

20+ Studies to Save The World & Your Family

By GK (Golden Knowledge)

www.TheDisclosureHub.com

www.Vtvault.org/Danger



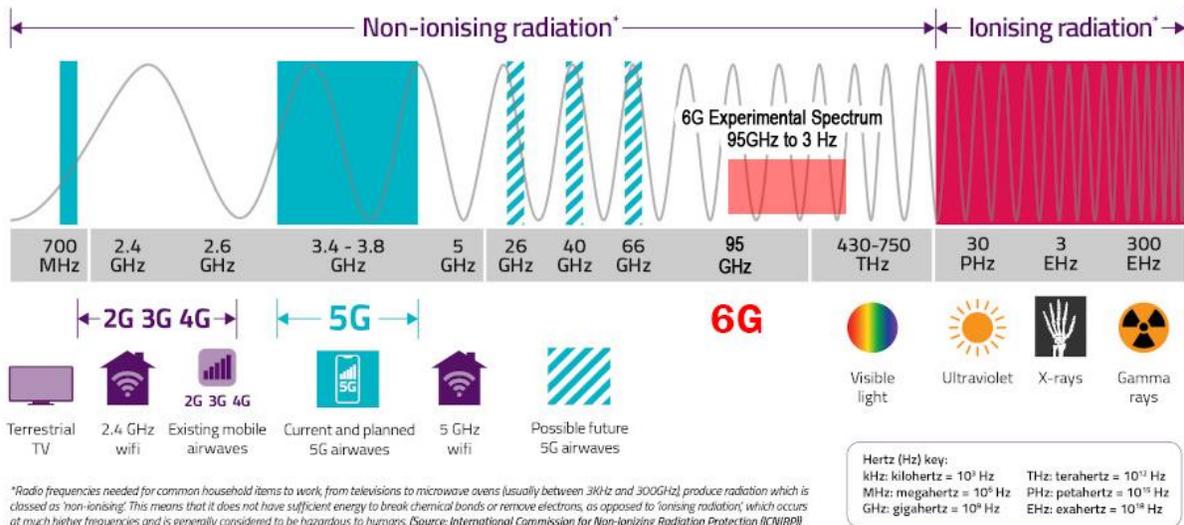
What is RF:

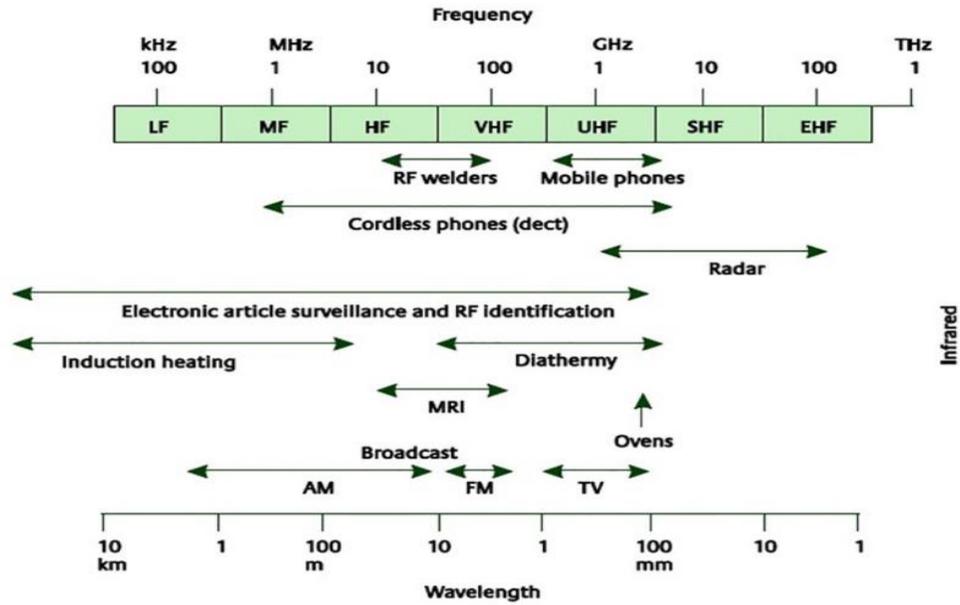
Study: Radiofrequency Radiation in the Environment: Sources, Exposure Standards, and Related Issues

Source: <https://www.sciencedirect.com/topics/biochemistry-genetics-and-molecular-biology/radiofrequency-radiation>

“RF radiation is a form of electromagnetic energy with frequencies that range from a few kilohertz up into the gigahertz range. There are many sources of RF energy in the environment. The well-known RF heating effect has led to the development of microwave ovens in the home and the use of microwaves for other heating applications”

Electromagnetic Spectrum and 6G Spectrum





Frequency Range of Radio Waves

Band	Frequency of Radio Waves	Radio Waves Wavelength
ELF (Extremely Low Frequency)	<3kHz	>100 km
VLF (Very Low Frequency)	3 to 30 kHz	10 to 100 km
LF (Low Frequency)	30 to 300 kHz	1m to 10 km
MF (Medium Frequency)	300 kHz to 3 MHz	100 m to 1 km
HF (High Frequency)	3 to 30 MHz	10 to 100m
VHF (Very High Frequency)	30 to 300 MHz	1 to 10 m
UHF (Ultra High Frequency)	300 MHz to 3 GHz	10 cm to 1 m
SHF (Super High Frequency)	3 to 30 GHz	1 to 1 cm
EHF (Extremely High Frequency)	30 to 300 GHz	1mm to 1 cm

Study: Genetic damage in subjects exposed to radiofrequency radiation

Source: <https://www.sciencedirect.com/science/article/abs/pii/S1383574208001415>

“The mobile phone handset transmits radio waves to the base station (cell tower), and these carry the voice of the phone user. Similarly, the base station transmits radio waves to the mobile phone and these carry the voice of the person the phone user is listening to. The base station passes the signals to and from the phone network.”

“RF-exposed individuals have increased frequencies of genetic damage (e.g., chromosomal aberrations) in their lymphocytes or exfoliated buccal cells”

“DNA damage in somatic cells is often causally related to cancer. If it could be shown that low level exposure to RF-electromagnetic fields induces genetic damage, this would certainly be indicative of a potential serious health risk”

“Chemicals and radiation may also contribute to cancer by an ‘epigenetic mechanism’ rather than by mutation [1] as well as genetic predisposition [2] and sensitivities for life-stage during exposure [3].”

“Radiofrequency radiation effects on the frequencies of chromosomal aberrations and other (cyto)genetic damage”

Study: Effect of Ultra High Frequency Mobile Phone Radiation on Human Health

Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4930268/>

Mobile phone radiation (RF) causes mutation, sexual trauma and infertility (in men). The non ionizing radiation produced by the RF Range (700MHz – 750THz) penetrates the skull bone and causes thermal burning in the brain leading to mental conditions such as dementia “Hypotension, dizziness, insomnia, headaches, loss of memory, etc” .

RF Radiation has been known to cause cancers such a leukemia and brain tumors

Study: Exposure to 1800 MHz radiofrequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons

Source: <https://www.sciencedirect.com/science/article/abs/pii/S0006899309022999>

RF Radiation Causes “oxidative stress” by removing oxygen in the body causing damage to your DNA which in turn causes damage to your nervous system causing “various nervous system diseases” .

The damages done to the DNA and Cells is repaired at night when you sleep because of the melatonin we create in our body due to its antioxidant effects.

Study: Electromagnetic hypersensitivity (EHS, microwave syndrome) — Review of mechanisms

Source: <https://www.sciencedirect.com/science/article/abs/pii/S0013935120303388>

RF can cause “organic physiologic responses” causing “neurologic, neuro-hormonal and neuropsychiatric symptoms” like making you hear voices, have anxiety, depression and more due to “neural” and blood brain barrier damage.

You can develop a sensitivity to RF/EMF that will increase the damages, feelings and symptoms significantly.

This radiation creates Groups of Atoms (ROS Radicals) that consume the body’s oxygen causing “oxidative stress” in which can kill you in the right circumstance, that’s why we need antioxidants.

How far can 60 GHz travel?

These 60GHz links, are great for distances up to **1.5km** but will struggle at anything more than that. This 1.5Km **limit is due to the absorption of the 60GHz signal by oxygen** in the atmosphere (see the image above). May 10, 2018

<https://ask4solutions.co.uk> > unravellingtechnology

V-Band 60GHz WiFi & Where You Should (or Shouldn't) Use It

This radiation also effects your bodies Blood and Bone Marrow (The haematological system) effecting our ability to deliver oxygen and nutrients to all tissues, removes wastes, and transports gases, blood cells, immune cells, antibodies and hormones throughout the body resulting in “impaired detoxification” which results in impaired immune systems.

Study: Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression

Source: <https://www.sciencedirect.com/science/article/pii/S0891061815000599>

EMF effects the calcium channels in the brains nervous system. The brain tries to block the EMF in the calcium channels and when overloaded with non-ionizing radiation they become over active and “microwave syndrome” occurs causing “neuropsychiatric effects” due to the calcium channels producing excessive neurotransmitter/neuroendocrine hormone release as well as oxidative/nitrosative

stress and other responses. This also results in brain fog, loss of memory, lack of focus, and more.

This is basically saying that the Roads that your brains functions travel on is over crowded with too many speeding cars during an earthquake.

that short wave, radio station, occupational and digital TV antenna exposures may produce similar neuropsychiatric effects. Among the more commonly reported changes are sleep disturbance/insomnia, headache, depression/depressive symptoms, fatigue/tiredness, dysesthesia, concentration/attention dysfunction, memory changes, dizziness, irritability, loss of appetite/body weight, restlessness/anxiety, nausea, skin burning/tingling/dermographism and EEG changes

Study: Increased blood–brain barrier permeability in mammalian brain 7 days after exposure to the radiation from a GSM-900 mobile phone

Source: <https://www.sciencedirect.com/science/article/abs/pii/S0928468009000133>

Study: Central Sensitization: A Generator of Pain Hypersensitivity by Central Neural Plasticity

Source: <https://www.sciencedirect.com/science/article/abs/pii/S1526590009006099>

The inflammation that RF/EMF cause increases the amount of pain you endure because you become “hypersensitive”

Study: Does prolonged radiofrequency radiation emitted from Wi-Fi devices induce DNA damage in various tissues of rats?

Source: <https://www.sciencedirect.com/science/article/abs/pii/S0891061816000053>

(wifi) “2.4 GHz frequency RF radiation will cause DNA damage of different tissues such as brain, kidney, liver, and skin tissue and testicular tissues of rats”

What frequency is WIFI?

Depending on the Android version check: Read the “Frequency” setting – shows as **2.4 or 5GHz**. Read the “Network speed” setting – if speed is over 400 Mbps then you are using 5GHz network.

<https://getnexus.com> > pages > how-to-tell-if-you-have-2-4...

[How to tell if you have 2.4 GHz or 5 GHz WiFi network | Nexx](https://getnexus.com)

“the increase of the DNA damage in rat testes tissue was significant”

Why are testicles radiation magnets?

Study: The effect of radiofrequency radiation on DNA and lipid damage in non-pregnant and pregnant rabbits and their newborns

Source: <https://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.467.5496&rep=rep1&type=pdf>

Study: Impact of radiofrequency radiation on DNA damage and antioxidants in peripheral blood lymphocytes of humans residing in the vicinity of mobile phone base stations (cell towers)

Source: <https://www.tandfonline.com/doi/abs/10.1080/15368378.2017.1350584>

“80 m of mobile base stations, showed significantly ($p < 0.0001$) higher frequency of micronuclei when compared to the control group, residing 300 m away from the mobile base station/s. The analysis of various antioxidants in the plasma of exposed individuals revealed a significant attrition in glutathione (GSH) concentration ($p < 0.01$), activities of catalase (CAT) ($p < 0.001$) and superoxide dismutase (SOD) ($p < 0.001$) and rise in lipid peroxidation (LOO) when compared to controls”

Study: Limits of Human Exposure to Radiofrequency Electromagnetic Energy in the Frequency Range from 3 kHz to 300 GHz

Source: <https://www.canada.ca/en/health-canada/services/publications/health-risks-safety/limits-human-exposure-radiofrequency-electromagnetic-energy-range-3-300.html>

“radiofrequency (RF) fields in the frequency range from 3 kHz to 300 GHz”

“A number of biological effects and established adverse health effects from acute exposure to RF fields have been documented (4-9). These effects relate to localized heating or stimulation of excitable tissue”

“acute and chronic RF field exposures to elicit possible effects on a wide range of biological endpoints including: human cancers; rodent lifetime mortality; tumor initiation, promotion and co-promotion; mutagenicity and DNA damage; EEG activity; memory, behaviour and cognitive functions; gene and protein expression; cardiovascular function; immune response; reproductive outcomes; and perceived electromagnetic hypersensitivity among others”

“The rate and distribution of RF energy absorption depend strongly on the frequency, strength and orientation of the incident fields as well as the body size and its constitutive electrical properties (dielectric constant and conductivity)”

“For frequencies from 3 kHz to 10 MHz, NS (nerve stimulation) from induced electric fields within the

body must be avoided. Experimental studies have demonstrated that electric and magnetic field exposures can induce internal electric fields (voltage gradients) within biological tissue which, if sufficiently intense, can alter the "resting" membrane potential of excitable tissues resulting in spontaneous depolarization of the membrane."

This is saying again that the calcium channels are being over stimulated by the EMF

"For frequencies from 100 kHz to 300 GHz, tissue heating can occur and must be limited."

Mostly Internal: "100 kHz to 6 GHz frequency range, in terms of maximum whole-body"

Mostly External: "frequencies above 6 GHz, RF energy absorption occurs predominantly in surface tissues (e.g. upper layers of skin)" "uppermost layers of superficial tissues (e.g. skin, cornea)"

"avoid adverse thermal effects in localized human tissues (hot-spots)"

SO clearly the higher the frequency of the signal the more intense the damage is, but at shorter ranges.

* This study is censored by the government, they claim they left out certain studies they didn't find accurate... Hmmm

Study: Risks to Health and Well-Being From Radio-Frequency Radiation Emitted by Cell Phones and Other Wireless Devices

Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6701402/>

"Radiation exposure has long been a concern for the public, policy makers, and health researchers. Beginning with radar during World War II, human exposure to radio-frequency radiation¹ (RFR) technologies has grown substantially over time"

(not supported in THIS study but) They introduced Radar in the 1940s and then the new influenza B was "discovered" and the epidemic happened in 1941. The US had such heavy troop loss from the flu, they backed the new vaccine (at the time).

A) <https://www.cdc.gov/flu/pandemic-resources/pandemic-timeline-1930-and-beyond.htm#:~:text=1940%3A%20Influenza%20B%20viruses%20are%20discovered.%201942%3A%20A,cultured%20outside%20the%20body%20for%20the%20first%20time.>

B) https://en.wikipedia.org/wiki/Radar_in_World_War_II

"In 2011, the International Agency for Research on Cancer (IARC) reviewed the published literature and categorized RFR as a "possible" (Group 2B) human carcinogen"

“Of particular concern are the effects of RFR exposure on the developing brain in children. Compared with an adult male, a cell phone held against the head of a child exposes deeper brain structures to greater radiation doses per unit volume, and the young, thin skull’s bone marrow absorbs a roughly 10-fold higher local dose”

“men who keep cell phones in their trouser pockets have significantly lower sperm counts and significantly impaired sperm motility and morphology, including mitochondrial DNA damage.”

“evidence that RFR can cause physiological and/or morphological effects on bees, plants and trees”

“signal increased risks of brain tumors” “increase with increasing latency (use over time), increasing cumulative duration of use, ipsilateral phone use, and earlier age at first exposure”

“The incidence of several brain tumors are increasing at statistically significant rates, according to the 2010 – 2017 Central Brain Tumor Registry of the U.S. (CBTRUS) dataset”

“The U.S. National Toxicology Program (NTP) (National Toxicology Program (26, 27) has reported significantly increased incidence of glioma (A tumor that originates in the glial cells of the brain or spinal cord that causes headache, confusion, memory loss, speech problems or seizures.) and malignant Schwannoma (nerve sheath tumors, or tumors that originate from the layer of insulation that surrounds nerve fibers) (mostly on the nerves on the heart, but also additional organs) in large animal carcinogenicity studies with exposure to levels of RFR that did not significantly heat tissue. Multiple organs (e.g., brain, heart) also had evidence of DNA damage. Although these findings have been dismissed by the ICNIRP (28), one of the key originators of the NTP study has refuted the criticisms (29).”

“increase in the incidence of tumors of the brain and heart in RFR-exposed Sprague-Dawley rats, which are tumors of the same histological type as those observed in some epidemiological studies on cell phone users.”

“symptoms attributed to exposure to RFR (e.g., headaches, fatigue, appetite loss, insomnia), a syndrome termed Microwave Sickness or Electro-Hyper-Sensitivity (EHS) (68 – 70).”

There’ s allot more to this study it goes deep into children and reproduction and quotes many studies around the world.

Study: Cellphone Radio Frequency Radiation Studies - Source:

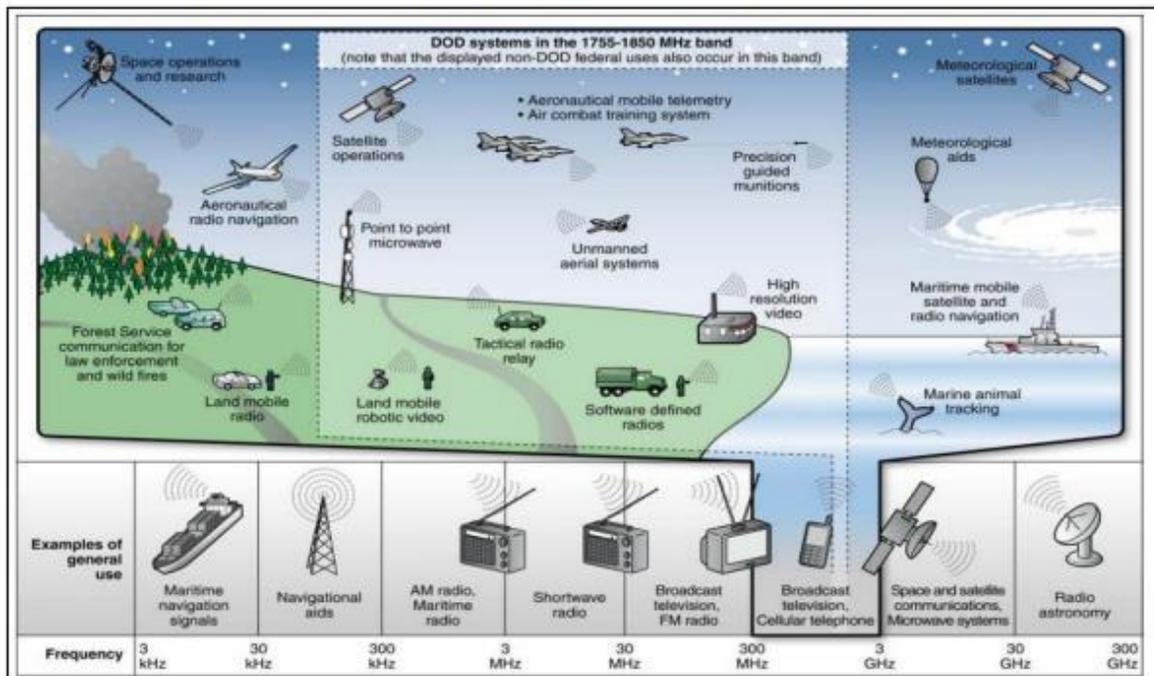
https://www.niehs.nih.gov/health/materials/cell_phone_radiofrequency_radiation_studies_508.pdf



Overview of Department of Defense Use of the Electromagnetic Spectrum

Overview of Department of Defense Use of the Electromagnetic Spectrum

Figure 2. U.S. Department of Defense (DOD) Use of Radio Spectrum
Examples of DOD Systems Operating in the Radio Spectrum (3 kHz–300 GHz)



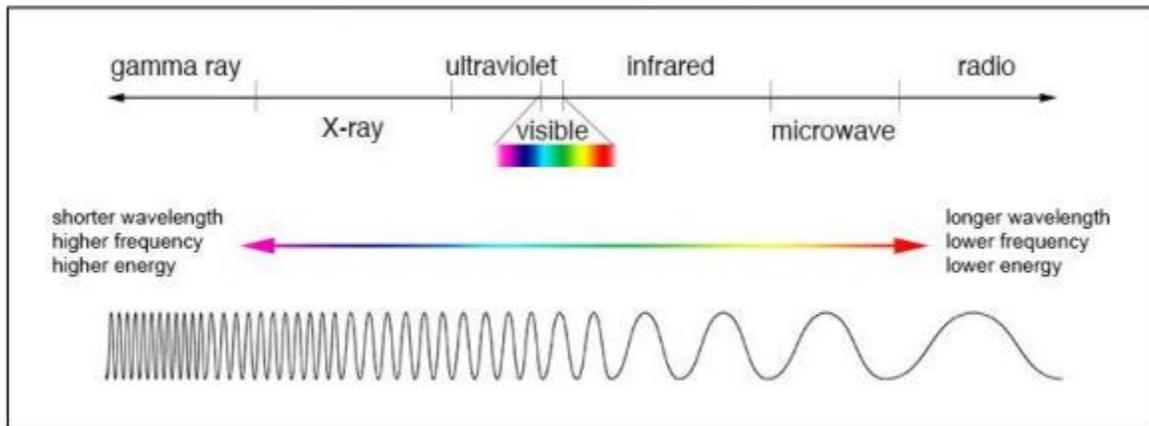
Source: U.S. Government Accountability Office, *Spectrum Management: Federal Relocation Costs and Auction Revenues*, 13-472, May 2013, p. 6, <https://www.gao.gov/assets/660/654794.pdf>.

Note: The figure shows allocated radio spectrum for DOD applications, with multiple uses operating in one band (1755-1850 MHz) and microwave systems in the upper bands (300 MHz-300 GHz).

What Is the Electromagnetic Spectrum?

The electromagnetic spectrum is the range of wavelengths or frequencies of electromagnetic radiation. It includes radio waves, microwaves, visible light, X-rays, and gamma rays (see **Figure 1**). Electromagnetic radiation is all around us. It can be produced by natural sources, such as lightning or the sun, or by man-made sources, such as radio transmitters, microwave ovens, lasers, and X-ray machines. Electromagnetic radiation travels through space, air, and sometimes solid materials in the form of waves. These waves are called electromagnetic waves because they have both electric and magnetic properties. Such waves vary in frequency,³ wavelength,⁴ and energy. Scientists classify electromagnetic waves by their wavelength or frequency. Waves with shorter wavelengths (e.g., gamma rays) have higher frequencies and higher energy; waves with longer wavelengths (e.g., radio waves) have lower frequencies and lower energy.

Figure 1. The Electromagnetic Spectrum



Source: National Aeronautics and Space Administration, "The Electromagnetic Spectrum," 2020, <https://imagine.gsfc.nasa.gov/science/toolbox/emspectrum1.html>.

"High-powered microwave weapons, a subset of DE weapons, could be used as a nonkinetic means of disabling electronics, communications systems, and improvised explosive devices, or as a nonlethal "heat ray" system for crowd control."

"These applications range from using very low-frequency radio waves to communicate with submarines underwater, to microwaves for datalinks to connect weapons systems (e.g., aircraft, satellites, ground forces, ships). Figure 2 shows various applications in the radio segment of the electromagnetic spectrum.¹⁸"

"The FCC developed the 5G FAST Plan, which identified spectrum for 5G use, and streamlined regulations to speed 5G deployment.¹⁶⁴ This plan provides insight into FCC actions (e.g., future reallocations, auctions);"

Source/Link: <https://sgp.fas.org/crs/natsec/R46564.pdf>

Electromagnetic field interactions with the human body: Observed effects and theories

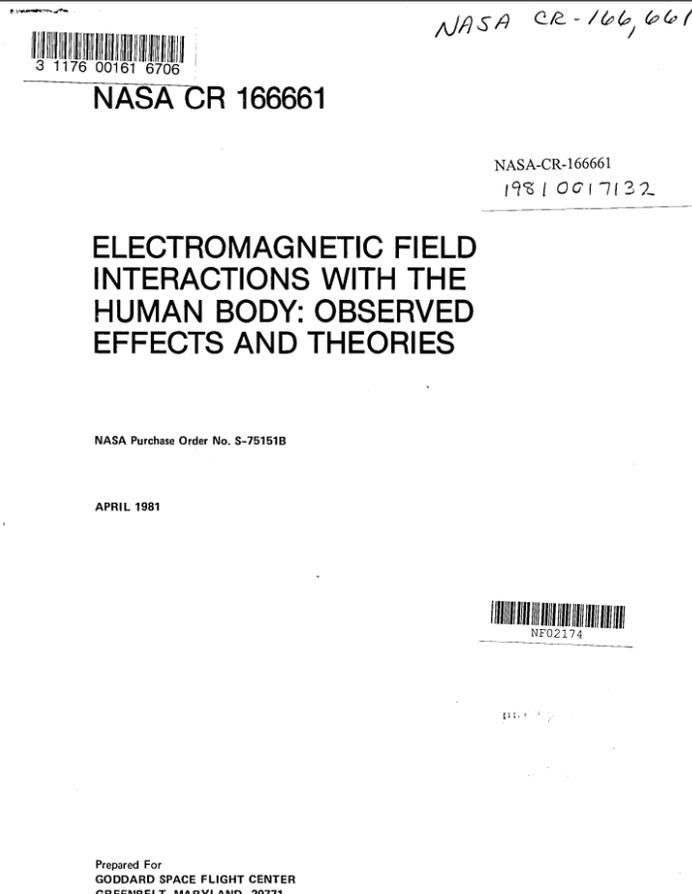
The effects of nonionizing electromagnetic (EM) field interactions with the human body were reported and human related studies were collected. Nonionizing EM fields are linked to cancer in humans in three different ways: cause, means of detection, and effective treatment. Bad and benign effects are expected from nonionizing EM fields and much more knowledge is necessary to properly categorize and qualify EM field characteristics. It is concluded that knowledge of the boundary between categories, largely dependent on field intensity, is vital to proper future use of EM radiation for any purpose and the protection of the individual from hazard.

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“the ones associated with the central nervous system are collectively termed "neurasthenia". Some of these are reportedly reversible. That is, when the electro ”

33.

RESEARCHER	NUMBER OF SUBJECTS	FREQUENCY OR BAND	FIELD STRENGTH/ POWER DENSITY	EFFECTS
Pazderova	58	48.5-230 MHz	0-22 $\mu\text{w}/\text{cm}^2$	Increased plasma protein levels
Sadicikova	1180		30-3,000 $\mu\text{w}/\text{cm}^2$	Fatigue, irritability, sleepiness, memory loss, bradycardia, hypertension, hypotension, cardiac pain, systolic murmur, "microwave sickness"
Kalyada		40-200 MHz	"nonthermal"	Vegetative dysfunction of central nervous system; thermoregulatory pathology; cardiovascular changes; elevation of plasma cholesterol; gastritis; ulcers.
Klimova-Deutchova	530	1-150 MHz 300-800 MHz 3-30 GHz	0.1-3.3 mw/cm^2	Electroencephalographic disorders; elevation of fasting blood glucose; elevation of serum beta-lipoproteins; elevation of cholesterol.

TABLE 14. EFFECTS CITED IN PAVE PAWS REPORT.

Exposure level	Frequency of complaint, percentage		
	Neurological	Brachycardia	Abnormal cardiac ST waves
High (over 200 mW/cm ²)	32	1.63	11.8
Low (10-200 mW/cm ²)	24	3.93	11.2
None (control group)	11	0.42	5.6

TABLE 22. SURVEY OF 1300 CHINESE "MICROWAVE WORKERS" (FROM LERNER, 1980).

Symptoms	Length of Employment			
	1-6 years (average 4.3) (73 persons)		7-16 years (average 9.6) (73 persons)	
	percent of cases	number of cases	percent of cases	number of cases
Headache	20.5	15	32.9	24
Disturbance of sleep	13.7	10	23.3	17
Fatigue	12.3	9	17.8	13
General weakness	7.0	5	12.3	9
Disturbance of memory	5.5	4	8.2	6
Lowering of sexual potency	5.5	4	8.2	6
Drop in body weight	2.7	2	12.3	9
Disturbance of equilibration	5.5	4	11.0	8
Neurological symptoms	0.0	0	15.1	11
Changes in ECG	17.8	13	28.8	21

TABLE 20. OCCURRENCE OF SOME SYMPTOMS IN HUMANS EXPOSED OCCUPATIONALLY TO ELECTROMAGNETIC RADIATION IN THE FREQUENCY RANGE 750 KHZ-200 MHZ (FROM DWYER, 1978).

Residence	Type of wiring configuration*	Leukemia		Lymphoma		Nervous system tumors		Other	
		Case	Control	Case	Control	Case	Control	Case	Control
Birth address	HCC	52	29	10	5	22	12	17	9
	LCC	84	107	21	26	35	45	31	39
	(% HCC)	(38.2)	(21.3)	(32.3)	(16.1)	(38.6)	(21.1)	(35.4)	(18.7)
Death address	HCC	63	29	18	11	30	17	18	17
	LCC	92	126	26	33	36	49	45	46
	(% HCC)	(40.6)	(18.7)	(40.9)	(25.0)	(45.5)	(25.8)	(28.6)	(27.0)

* HCC = high-current configuration, LCC = low-current configuration.

TABLE 19. RELATION BETWEEN CHILDHOOD CANCER AND PROXIMITY OF RESIDENCE TO CERTAIN 60-HZ TRANSMISSION LINES (FROM WERTHEIMER & LEEPER, 1979).

Symptomatology

Bradycardia
 Disruption of the endocrine-humoral process
 Hypotension
 Intensification of the activity of thyroid gland
 Exhausting influences on the central nervous system
 Decrease in sensitivity to smell
 Increase in histamine content of the blood

Subjective Complaints

Increased fatigability
 Periodic or constant headaches
 Extreme irritability
 Sleepiness during work

TABLE 12. CLINICAL MANIFESTATIONS OF CHRONIC OCCUPATIONAL EXPOSURE OF 525 WORKERS TO ELECTROMAGNETIC RADIATION AT MICROWAVE FREQUENCIES (FROM DWYER, 1978).

RESEARCHER	NUMBER OF SUBJECTS	FREQUENCY OR BAND	FIELD STRENGTH/ POWER DENSITY	EFFECTS
Eckert (Germany)	494	60 Hz		Crib death (Sudden Infant Death Syndrome).
Bogucka (Poland)	72	"radio and television"		Functional disorders of central nervous system, hyperacidity, epigastric pain, disorders of cardiovascular system, leukopenia of blood, esinophobia of blood.
Bise (United States)	10	0.1-960 MHz	10^{-16} - 10^{-13} W/cm ²	Changes in electroencephalogram, loss of memory, inability to concentrate, irritability, apprehension.
Dumanskii (USSR)	34	50 Hz	5-12 kV/m	Local changes in skin temperature, reduced heart rate, reduced blood pressure, change in electrocardiogram, change in blood composition.
Katorgina, Semenova, et al	230	2-1000 kHz	3-5 V/m	Eye pain, headache, vascular changes in eye.
Alberti (Italy)	31	5-50 MHz		Decreased male fertility, insomnia, headache.
Holt (Australia)		VHF	Below 10 mW/cm ²	Cancer growth stimulated.
Lovsund, Obey, Nilsson (Sweden)		10-50 Hz	0-40 milli-Teslas	Excitation of magnetophosphenes.

TABLE 18. EFFECTS CITED BY KLEINSTEIN & DYNER, 1980.

EmF parameters		Ratio of percentage of cases with particular defect due to EmF to percentage of cases in control (not exposed to EmF)		
range	intensity	reduced blood pressure (arterial hypotonia)	slow heart beat (bradycardia)	QRS interval in ECG increased to 0.1 sec (reduced ventricular conductivity)
SHF (centimeter waves)	From one to several mW/cm ²	1.85	24	11.5
	< 1 mW/cm ²	2.0	16	12.5
UHF	Low, not thermal	1.2	8	21
Short-wave HF	Tens to hundreds of V/m	0.21	12	-
Medium-wave HF	Hundreds to 1000 V/m	1.2	5	-
Percentage of cases in control		14%	3%	2%

TABLE 17. CARDIOVASCULAR DISTURBANCES IN PERSONS CHRONICALLY EXPOSED TO ELECTROMAGNETIC RADIATION AT VARIOUS FREQUENCIES (FROM PRESMAN, 1970).

Test Subject (Investigator)	Electric Field (V/m)	Frequency (Hz)	Biological Parameter Examined	Results	Reviewed by
Substation workers in U.S.S.R. (Asanova and Rakov, 1966)	$8-14.5 \times 10^3$	50		(+) nervous system disorders	Shepard & Eisenbud, NAS
Humans in laboratory (Hauf, R., 1974)	$1-20 \times 10^3$	50	blood values, blood pressure pulse, ECG, EEG, reaction time	(+) leukocytes, neutrophils, reticulocytes increase but within normal range (-) other factors	Shepard & Eisenbud, EIS (Bridges & NAS review equivalent 1973 paper)
Human (Johansson, et al., 1973)	20×10^3	50	psychological tests	(-)	Bridges, Shepard & Eisenbud, EIS
Human (Johansson, et al., 1972)	20×10^3 at head	b	subjective feeling and psychological functioning	(+) a few subjects showed reduced ability and tension for pulse test (-) for sine wave test	
Human Linemen (Kouwenhoven, 1966)	Fields encountered in normal line and barehand work	60	physical examination CV, thyroid, kidney, urine, ECG, EEG, visual, auditory, X-ray, emotional stress	(-) reaction time increased or decreased depending on signal characteristics. Growth changes in other specimens	Bridges, NAS
Human, lice, yeast, bacteria, wheat germ (Konig, 1962)	1-2	c	human reaction time, growth of other test specimens	(+) average blood pressure of maintenance personnel lower	NAS
Humans--Comparison of "Operations" to "Maintenance" personnel U.S.S.R. (Sazanova, 1967)	open switchyard environment	50	temperature, pulse, blood pressure, reaction time, flicker frequency, adductor muscle reaction	(+) average blood pressure of maintenance personnel lower	NAS, EIS
Human, Lineman (Singewald, et al., 1973)	Fields encountered in normal line and barehand work	60	same as Kouwenhoven, 1966; this is a follow-up report	(-)	Shepard & Eisenbud,
Humans--Comparison of those near and far from 200-400 kV lines (Strumza, 1970)	$< 7 \times 10^3$	50	visits to and from physicians, use of medicine, medical histories	(-) no statistically significant difference	Bridges, Sheppard & Eisenbud, EIS

NOTES: (a) 147×10^6 modulated by ELF signal. (b) Pulse simulating lightning, 3-14 Hz swept sine wave. (c) 2-100. Natural and man-made simulations of geomagnetic signals.

TABLE 13. CLINICAL AND SUBJECTIVE EFFECTS OF ELECTROMAGNETIC FIELDS AT POWER LINE FREQUENCIES (FROM FRAZIER, 1978).

RESEARCHER	NUMBER OF SUBJECTS	FREQUENCY OR BAND	FIELD STRENGTH/ POWER DENSITY	EFFECTS
Gabovich & Zhukovskiy	66	centimeter waves	to 370 $\mu\text{W}/\text{cm}^2$	Increase in threshold of red, green, and blue light.
Zalyubovskaya & Kiselev	102		to 1 mW/cm^2	Fatigue, drowsiness, headaches, loss of memory, decrease in hemoglobin, decrease in erythrocytes, hypercoagulation, decrease in leukocytes, increase in lymphocytes, decrease in segmentonuclear neutrophils, increase in reticulocytes, increase in thrombocytes, decrease in osmotic and acid resistance of erythrocytes, decrease in bactericidal action of skin and oral cavity, decrease in blood serum lysozyme, decrease in phagocytic activity of neutrophils.

TABLE 15. EFFECTS CITED BY MCCREE AND SHANDALA, 1980.

RESEARCHER	NUMBER OF SUBJECTS	FREQUENCY OR BAND	FIELD STRENGTH/ POWER DENSITY	EFFECTS
Sadchikova (USSR)		"microwaves"	0.03-3 mW/cm^2	Reversible changes in nervous and cardiovascular systems and blood; "radio sickness".
Baranski & Edelwejn (Poland)		"microwaves"		Decrease in EEG alpha rhythm; decreased tolerance of neurotropic drugs.
Lancranjan (Romania)	31	"microwaves"	10-100 mW/cm^2	Decrease in sex function; decrease in spermatogenesis.
Pazderova (Czechoslovakia)				Change in blood protein chemistry.
Slotnik-Baranska				Chromosome changes in human leukocytes.

TABLE 16. EFFECTS CITED BY GLASER, IN JOHNSON & SHORE, VOL. 1, 1976.

Headaches
Eyestrain
Fatigue
Dizziness
Disturbed sleep at night
Sleepiness in daytime
Moodiness
Irritability
Unsociability
Hypochondriac reactions
Feelings of fear
Nervous tension
Mental depression
Memory impairment
Pulling sensation in the
scalp and brow
Loss of hair
Pain in muscles and heart
region
Breathing difficulties
Increased perspiration of
extremities
Difficulty with sex life

TABLE 11. SUBJECTIVE EFFECTS ON PERSONS WORKING IN RADIO FREQUENCY ELECTROMAGNETIC FIELDS (FROM DWYER, 1978).

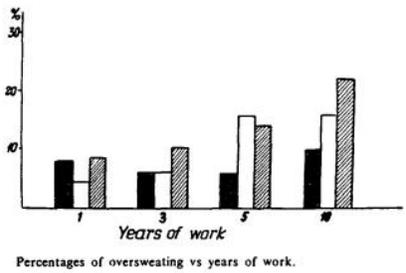
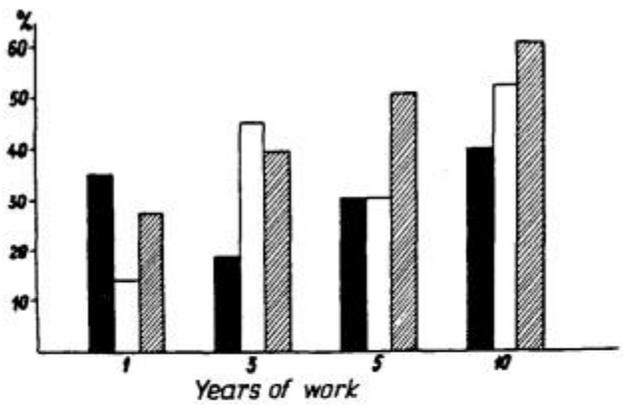
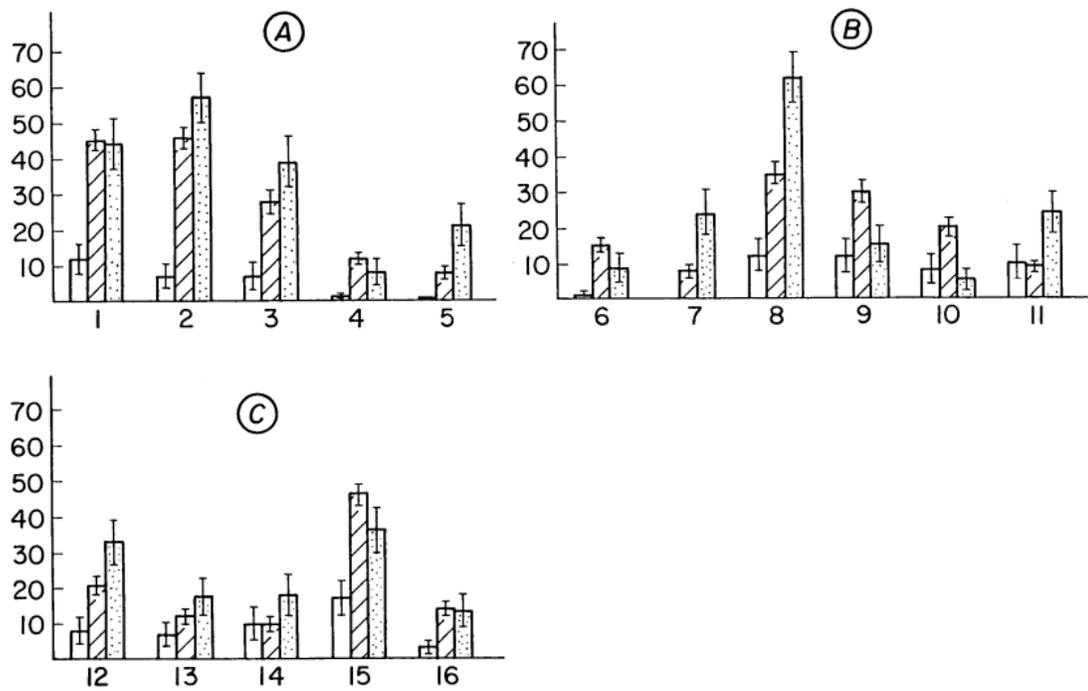


FIG. 16. OCCURRENCE OF EXCESSIVE PERSPIRATION IN "MICROWAVE WORKERS" (FROM BARANSKI & EDELWEJN, IN TYLER, 1975).



Percentages of headaches vs years of work. ■, Exploitation; □, special exploitation; ▨, repair.

FIG. 15. OCCURRENCE OF HEADACHES IN "MICROWAVE WORKERS" (FROM BARANSKI & EDELWEJN, IN TYLER, 1975).



Ordinate - frequency of changes in percentages; abscissa - main indicators: A - neurological, B - autonomic vascular and C - cardiac. White columns - control; oblique shading - persons of the first group, exposed previously to periodic action of microwaves of substantial intensities; dotted shading - persons of the second group working under conditions of exposure to microwaves of lower intensities. All indicators are presented with confidence limits. 1 - feeling of heaviness in the head, 2 - tiredness, 3 - irritability, 4 - sleepiness, 5 - partial loss of memory, 6 - inhibited dermographism, 7 - expressed dermographism, 8 - hyperhidrosis, 9 - bradycardia (upon counting), 10 - arterial hypotension, 11 - arterial hypertension, 12 - cardiac pain, 13 - dullness of the heart sounds, 14 - systolic murmur, 15 - bradycardia (according to ECG), 16 - lowering of deflections T I and T II.

FIG. 14. CHANGES IN THE NERVOUS AND CARDIOVASCULAR SYSTEMS AMONG WORKERS EXPOSED TO MICROWAVES AND CONTROL SUBJECTS (FROM STUCHLY, 1978).

Effect of Ultra High Frequency Mobile Phone Radiation on Human Health

Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4930268/>

Highlights:

“This paper describes the risk of mutation and sexual trauma and infertility in masculine sexual cell by mobile phone radiations.”

“We investigated the risks that result from the waves, according to a report by International Commission on Non Ionizing Radiation Protection (ICNIRP), to every organ of the body is defined by the beam and electromagnetic radiation from this electronic device on people”

“The results of this study and International Commission of Non Ionization Radiation Protection (ICNIRP) reports showed the people who spend more than 50 minutes a day using a cell phone could have early dementia or other thermal damage due to the burning of glucose in the brain.”

“Many people are not aware of the harmful effects of radiofrequency waves (RF) and their role in cancer and other serious risks. Scientific evidence suggests that cancer is not only linked to mobile phone radiation and that other factors also may be involved in its development. Most mobile operators use from radiofrequency waves in the range up 300 MHz to 3 GHz that can be harmful for human health”

“Mobile phones emit RF waves even when they are in standby mode”

“Electric and magnetic fields can be produced by carrying of electric current at any wiring or equipment, such as overhead or underground power lines, home wiring, medical equipment, and electronic devices”

“Numerous epidemiological studies, the association between public and occupational exposure, particularly exposure to ELF fields and the risk of Cancer, including leukemia, brain tumors and breast cancer has shown”

“RF energy can penetrate into the brain in the area of the bone in place leaves. Hypotension, dizziness, insomnia, headaches, loss of memory, etc. (12). There is also the direct effects of long-term cancer risk.”

In general, considering that mental and psychological effects of these fields has been reported in small quantities, In order to control the possible harmful effects RF fields as possible from exposure.

Exposure to 1800 MHz radiofrequency radiation induces oxidative damage to mitochondrial DNA in primary cultured neurons

Source: <https://www.sciencedirect.com/science/article/abs/pii/S0006899309022999>

Highlights:

“ Increasing evidence indicates that oxidative stress may be involved in the adverse effects of radiofrequency (RF) radiation on the brain. Because mitochondrial DNA (mtDNA) defects are closely associated with various nervous system diseases and mtDNA is particularly susceptible to oxidative stress, the purpose of this study was to determine whether radiofrequency radiation can cause oxidative damage to mtDNA”

“at a frequency of 1800 MHz modulated by 217 Hz at an average special absorption rate (SAR) of 2 W/kg. At 24 h after exposure, we found that RF radiation induced a significant increase in the levels of 8-hydroxyguanine (8-OHdG), a common biomarker of DNA oxidative

damage, in the mitochondria of neurons.” — “ transcripts showed an obvious reduction after RF exposure”

Each of these mtDNA disturbances could be reversed by pretreatment with melatonin, which is known to be an efficient antioxidant in the brain. Together, these results suggested that 1800 MHz RF radiation could **cause oxidative damage to mtDNA** in primary cultured neurons. Oxidative damage to mtDNA may account for the neurotoxicity of RF radiation in the brain.

Electromagnetic hypersensitivity (EHS, microwave syndrome) – Review of mechanisms

Source: <https://www.sciencedirect.com/science/article/abs/pii/S0013935120303388>

Highlights:

“Electromagnetic hypersensitivity (EHS), known in the past as “**Microwave syndrome**”, is a clinical syndrome characterized by the presence of a wide spectrum of non-specific multiple organ symptoms, typically including central nervous system symptoms, that occur following the patient's acute or chronic exposure to electromagnetic fields in the environment or in occupational settings. Numerous studies have shown biological effects at the cellular level of electromagnetic fields (EMF) at magnetic (ELF) and radio-frequency (RF) frequencies in extremely low intensities. Many of the mechanisms described for Multiple Chemical Sensitivity (MCS) apply with modification to EHS. Repeated exposures result in sensitization and consequent enhancement of response. Many hypersensitive patients appear to have impaired detoxification systems that become overloaded by excessive oxidative stress. EMF can induce changes in calcium signaling cascades, significant activation of free radical processes and overproduction of reactive oxygen species (ROS) in living cells...”

rad • i • cal: a group of atoms behaving as a unit in a number of compounds. In chemistry, a free radical is an atom, molecule, or ion

4.9 Protection against Oxidative Stress

Reactive oxygen species (ROS)

“The **consumption** and utilization **of oxygen in various physiological processes** results in the generation of ROS. These ROS are then neutralized by the plant systems and when generation of ROS exceeds the system's ability to neutralize and eliminate them, stress conditions appear and these are **defined as oxidative stress conditions** (Sies, 1985, 1986; Sies and Cadenas, 1985). This unevenness in production and scavenging of ROS may occur because of **lack of antioxidant capacity**”

Source: <https://www.sciencedirect.com/topics/earth-and-planetary-sciences/reactive-oxygen-species>

The haematological system consists of the blood and bone marrow. Blood delivers oxygen and nutrients to all tissues, removes wastes, and transports gases, blood cells, immune cells, antibodies and hormones throughout the body.

The **microvasculature** consists of three types of small vessels: arterioles, capillaries, and venules. These microvessels form a network that regulates local blood perfusion and conducts blood—tissue exchange

“……as well as **altered neurological and cognitive functions and disruption of the blood-brain barrier**. Magnetite crystals absorbed from combustion air pollution could have an important role in brain effects of EMF. Autonomic **nervous system effects of EMF** could also be expressed **as symptoms in the cardiovascular system**. Other common effects of EMF include **effects on skin, microvasculature, immune and hematologic systems.**”

“…many **organic physiologic responses occur following EMF exposure**. Patients can have **neurologic, neuro-hormonal and neuro-psychiatric symptoms following exposure to EMF** as a consequence of **neural damage** and over-sensitized neural responses. More relevant

diagnostic tests for EHS should be developed. Exposure limits should be lowered to safeguard against biologic effects of EMF. Spread of local and global wireless networks should be decreased, and safer wired networks should be used instead of wireless, to protect susceptible members of the public. Public places should be made accessible for electrohypersensitive individuals.

“Exposure to EMF has been described in 2008—9 as between 10 and 15 times higher than the earth's natural magnetic field (Röösli, 2008; Nittby et al., 2009). Specifically around the 1 GHz frequency band, exposures have risen by approximately 10^{18} times natural levels (Bandara and Carpenter, 2018). In 2010, it was estimated that more than 2 billion people use cell phones worldwide (Soffritti, 2010). The electromagnetic fields that people are potentially exposed to are generated by a variety of.”

Microwave frequency electromagnetic fields (EMFs) produce widespread neuropsychiatric effects including depression

Source: <https://www.sciencedirect.com/science/article/pii/S0891061815000599>

Highlights:

“EMFs cause at least 13 neuropsychiatric effects including depression in humans.”

“substantial evidence that microwave EMFs from cell/mobile phone base stations, excessive cell/mobile phone usage and from wireless smart meters can each produce similar patterns of neuropsychiatric effects, with several of these studies showing clear dose—response relationships”

“6 additional studies suggests that short wave, radio station, occupational and digital TV antenna exposures may produce similar neuropsychiatric effects. Among the more commonly reported changes are sleep disturbance/insomnia, headache, depression/depressive symptoms, fatigue/tiredness, dysesthesia, concentration/attention dysfunction, memory changes, dizziness, irritability, loss of appetite/body weight, restlessness/anxiety, nausea, skin burning/tingling/dermographism and EEG changes”

Increased blood–brain barrier permeability in mammalian brain 7 days after exposure to the radiation from a GSM-900 mobile phone

Source: <https://www.sciencedirect.com/science/article/abs/pii/S0928468009000133>

Central Sensitization: A Generator of Pain Hypersensitivity by Central Neural Plasticity

Source: <https://www.sciencedirect.com/science/article/abs/pii/S1526590009006099>

Highlights:

“Central sensitization is responsible for many of the temporal, spatial, and threshold changes in pain sensibility in acute and chronic clinical pain settings and exemplifies the fundamental contribution of the central nervous system to the generation of pain hypersensitivity.”

“major triggers that initiate and maintain central sensitization in healthy individuals in response to nociceptor input and in patients with inflammatory and neuropathic pain, emphasizing the fundamental contribution and multiple mechanisms of synaptic plasticity caused by changes in the density, nature, and properties of ionotropic and metabotropic glutamate receptors.”

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actually work (See video)

&

Help fund the disclosure of this information!

The Covfefe Cap

“The Tech Tamer”

Seriously Blocks Up To 99%
of Destructive Waves



**Final Product May Appear Different See Site For Updates

Pineal Gland Shield - Shungite
with Mithril Silver Lining

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Clothing
Made in USA

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Vtvault.org/Quantame
Vtvault.org/**DANGER**
Vtvault.org/Shop
TheDisclosureHub.com

www.vtvault.org/quantame

EX: (<https://youtu.be/mbEHLTY6kTo>)

Study These Carefully:

1917-1919 Radio / Spanish Flu



1 People also ask: Did they have radio in 1918? **1912: First clear transmission of human speech**, (on DEX) after **experiments with voice (1918) and music (1917)**. 1920: Regular wireless broadcasts for entertainment began in Argentina, pioneered by the group around Enrique Telémaco Susini. 1920: Spark-gap telegraphy stopped.

2 1918 in radio: From Wikipedia, the free encyclopedia. **1918 in radio** details the internationally significant events in **radio broadcasting** for the year 1918.

3 New Brunswick Marconi Station: From Wikipedia, the free encyclopedia. **New Brunswick Marconi Station** was located at JFK Boulevard and Easton Avenue just one mile from the New Brunswick border in Somerset, New Jersey.^[1]

4 People also ask: When did the Spanish flu hit New Jersey? **1918**. The Pandemic in NJ. **The first case** in the state occurred in South Jersey when Montclair resident and **chief** of the medical service in the **army**, Martin Synnott, fell ill on a **Fort Dix base**. The virus then swept through the base, killing 862 people in **September and October of 1918** alone. Jul 9, 2020.

5 Somerset, Franklin Township, NJ 08873. **Fort Dix**, Pemberton Township, NJ. **54 min (46.7 mi) via I-95 S**.

6 A History of Hudson County During the 1918 Flu Pandemic. **Albert Einstein** visits the Marconi Wireless Station at Somerset, New Jersey in 1921.





1939-1942 Radar / Influenza B



1 Radar: From Wikipedia, the free encyclopedia. **Radar** (radio detection and ranging)^[1] is a detection system that uses radio waves to determine the distance (range), angle, and radial velocity of objects relative to the site. It can be used to detect aircraft, ships, spacecraft, guided missiles, motor vehicles, weather formations, and terrain. A **light signal (usually** of a transmitter **guiding electromagnetic waves** in the radio or **microwaves** bands), a transmitting antenna, a receiving antenna (often the same antenna, used for transmitting and receiving) and a receiver and processor to determine properties of the object(s). **Radio waves** **reflected** (or **combed**) from the transmitter reflect off the object and return to the receiver, giving information about the object's location and speed.

Radar was developed early for military use by several countries in the period before and during World War I. A key development was the cavity magnetron in the United Kingdom, which allowed the creation of relatively small systems with sub-meter resolution. The term **RADAR** was coined **in 1936** by the United States Navy as an acronym for "radio detection and ranging".^[2] The term radar has since entered English and other languages as a common noun, leading to capitalization. During RAF RADAR courses in 1954-5 at Yatesbury Training Camp "radio azimuth direction and ranging" was suggested.^[3] **Other words** the modern uses of radar are highly diverse, including air and terrestrial traffic control, radar astronomy, all-terrain systems, automotive systems, marine radars to locate landmasses and other ships, aircraft anti-collision systems, ocean surveillance systems, solar space surveillance and reconnaissance systems, meteorological precipitation monitoring, astronomy and light control systems, guided missile target locating systems, self-driving cars, and ground-penetrating radar for geological observations. High-tech radar systems are associated with digital signal processing, machine learning and are capable of extracting useful information from very high noise levels.

Other systems similar to radar make use of other parts of the electromagnetic spectrum. One example is LIDAR, which uses predominantly infrared light from lasers rather than radio waves. With the emergence of electric vehicles, radar is expected to assist the automated platform to monitor its environment, thus preventing unintended incidents.^[4]

2 People also ask: Was there a **pandemic in the 1940s**? **The first U.S. (1940 epidemic)** was recorded 50 years before Mouton's diagnosis. **But the 1940s and '50s brought more cases than the country had ever seen.** Parents kept their children inside for the summer to avoid contracting the paralyzing disease. Public areas like swimming pools were shuttered. Feb 11, 2021.

3 Living with a pandemic: Polio in the 1940s - UNC Media Hub. Search for: Was there a pandemic in the 1940s?

4 What flu was in the 1940s? **1940: Influenza B** viruses are discovered. 1942: A bivalent (two component) vaccine that offers protection against influenza A and influenza B viruses is produced after the discovery of influenza B viruses. Jan 30, 2019.

5 Influenza Historic Timeline | Pandemic Influenza (Flu) | CDC. Search for: What flu was in the 1940s?

6 Was there a **flu epidemic in 1941**? During the late fall and **early winter of 1940-1941 an epidemic of influenza involved most sections of the United States, as well as the Hawaiian Islands, Puerto Rico, and probably many other areas.**

7 1930s: Influenza viruses are isolated from people, proving that influenza is caused by a virus not a bacterium. **Smith, Andrewes, and Laidlaw isolate influenza A virus in ferrets in 1933.** **Francis isolates Influenza B virus in 1936.** **In 1936, Burnet discovers that influenza virus can be grown in embryonated hens' eggs.**

1950s: **1952: The Global Influenza Surveillance and Response System (GISRS) is created by WHO to monitor the evolution of influenza viruses.** The GISRS network originally includes 26 laboratories. **1956: The CDC's Influenza Branch in Atlanta is designated a WHO Collaborating Centre for Surveillance, Epidemiology & Control of Influenza.** **1957: A new H2N2 flu virus emerges to trigger a pandemic. There are about 1.1 million deaths globally, with about 116,000 in the U.S.**

1960s: **1940s:** **1940s:** Thomas Francis, Jr., MD and Jonas Salk, MD serve as lead researchers at the University of Michigan to develop the **flu**. **Inactivated flu vaccine with support from the U.S. Army.** Their vaccine uses fertilized chicken eggs in a method that is still used to produce most flu vaccines today. The Army is involved with this research because of their experience with **1900s loss from flu** illness and deaths during WWI. This original vaccine only includes an inactivated influenza A virus. **1940s:** **First generation mechanical ventilators become available.** These machines support breathing in patients suffering respiratory complications. **1940: Influenza B viruses are discovered.** **1942:** A bivalent (two component) **vaccine** that offers protection against influenza A and influenza B viruses is produced after the discovery of influenza B viruses. **1944:** Use of cell cultures for virus growth is discovered. This allows viruses to be cultured outside the body for the first time. The ability to culture influenza from respiratory sections allows diagnosis of influenza. **1945:** Inactivated influenza vaccine is licensed for use in civilians.



1



https://en.wikipedia.org/wiki/3G

3G technology is the result of research and development work carried out by the International Telecommunication Union (ITU) in the early 1990s. 3G specifications and standards were developed in three years. The technical specifications were made available to the public under the name 3GPP. The communication spectrum between 400 MHz to 3 GHz was allocated for 3G. Both the government and communication companies approved the 3G standard. The first pre-commercial 3G network was launched by NTT DoCoMo in Japan in 1998.^[14] It was first available in May 2001 as a pre-release (beta) of W-CDMA technology. The first commercial launch of 3G was also by NTT DoCoMo in Japan on 1 October 2001, although it was initially somewhat limited in scope.^[15] The broader availability of the system was delayed by apparent concerns over its reliability.^[17]

The first European pre-commercial network was an UMTS network on the use of Manx Telecom, the operator then-owned by British Telecom, and the first commercial network (also UMTS based W-CDMA) in Europe was opened for business by Telcelor in December 2001 with no commercial features and thus no paying customers.

The first network to go commercially live was by SK Telecom in South Korea on the CDMA-based H1EV-DO technology in January 2002. By May 2002, the second South Korean 3G network was by KT on EV-DO and thus the South Koreans were the first to see competition among 3G operators.

The **first commercial pre-release 3G network** was by Motor Mobile Networks, on CDMA2000 1X EV-DO technology, but the network provider later shut down operations. The second 3G network operator in the USA was **Verizon Wireless** in July 2002, also on CDMA2000 1X EV-DO. AT&T Mobility was also a 3G U.S. 3G network, having completed its upgrade of the 3G network to HSPA.

The first commercial United Kingdom 3G Network was started by Hutchison Telecom which was originally behind Orange SA.^[18] In 2003, it announced first commercial third generation or 3G mobile phone network in the UK.

The first pre-commercial demonstration network in the southern hemisphere was built in Adelaide, South Australia, by i-net Corporation in February 2002 using UMTS on 2100 MHz. This was a demonstration network for the 2002 IT World Congress. The first commercial 3G network was launched by Hutchison Telecommunications branded as Three or 3 in June 2003.^[19]

2002-2004 3G / SARS-CoV



SARS outbreak

The 2002–2004 outbreak of SARS, caused by severe acute respiratory syndrome coronavirus, infected over 8,000 people from 25 countries and territories, and resulted in at least 774 deaths worldwide. The outbreak was first identified in Foshan, Guangdong, China, in November 2002.

Deaths: 774
Date: 16 November 2002 – 19 May 2004
Confirmed cases: 8,096
Origin: Amoy Gardens, Hong Kong
First outbreak: Shunde, Guangdong, China
Disease: SARS

2

https://en.wikipedia.org/wiki/3G

3G is short for second generation cellular network. 2G cellular networks were commercially launched in the GSM standard in Finland by Radiomob in 1991.

People also ask

When did 2G come out in the US?

2002

EDGE

EDGE was deployed on GSM networks beginning in 2003, initially by AT&T in the United States.

https://en.wikipedia.org/wiki/2G

2G - Wikipedia

Search for: When did 2G come out in the US?

Are there any 2G networks in USA?

When did 2G come out?

1991

2G The 2G network wasn't superseded until 1991, when the 1G 2G network was launched. It was based on the emerging GSM (Global System for Mobile Communications, originally Groupe Spécial Mobile) standard, which introduced digital signalling within the radio network. Jun 3, 2001

https://www.cnet.com/news/

4

Update on SARS Case

Since November 2002–July 2003, a total of 6,938 people worldwide became sick with SARS during the 2003 outbreak. Of these, 774 died. In the United States, only eight people had laboratory evidence of SARS-CoV infection. All of these people had traveled to other parts of the world where SARS was spreading. SARS did not spread more widely in the community in the United States. See our update on SARS cases in the United States and worldwide as of December 2003.

The SARS outbreak of 2003

According to the World Health Organization (WHO), a total of 6,938 people worldwide became sick with SARS during the 2003 outbreak. Of these, 774 died. In the United States, only eight people had laboratory evidence of SARS-CoV infection. All of these people had traveled to other parts of the world where SARS was spreading. SARS did not spread more widely in the community in the United States. See our update on SARS cases in the United States and worldwide as of December 2003.

Symptoms of SARS

In general, SARS begins with a high fever (temperature greater than 100.4°F [38.0°C]). Other symptoms may include headache, an overall feeling of discomfort, and body aches. Some people also have mild respiratory symptoms at the outset. About 10 percent to 20 percent of patients have diarrhea. After 2 to 7 days, SARS patients may develop a dry cough. Most patients develop pneumonia.

How SARS spreads

The main way that SARS seems to spread is by close person-to-person contact. The virus that causes SARS is thought to be transmitted most readily by respiratory droplets (droplet spread) produced when an infected person coughs or sneezes. Droplet spread can happen when droplets from the cough or sneeze of an infected person are propelled a short distance (generally no farther than 6 feet) through the air and deposited on the mucous membranes of the mouth, nose, or eyes of persons who are nearby. The virus also can spread when a person touches a surface or object contaminated with infectious droplets and then touches his or her mouth, nose, or eyes. In addition, it is possible that the SARS virus might spread more broadly through the air (airborne spread) or by other ways that are not now known.



SARS Pa (2003)

The 2002–2004 outbreak of SARS, caused by severe acute respiratory syndrome coronavirus, infected over 8,000 people from 25 countries and territories, and resulted in at least 774 deaths worldwide. The outbreak was first identified in Foshan, Guangdong, China, in November 2002.

1

Google 4g first in US

https://en.wikipedia.org/wiki/4G

Sprint, the third largest wireless network in the U.S., was actually the first carrier in the U.S. to launch a so-called 4G wireless network. Through a partnership with Clearwire, Sprint launched its 4G service in 2008 using a technology called WiMax. Jul 16, 2012

https://www.cnet.com/tech/mobile/

Sprint officially launches 4G LTE in

People also ask

When did 4G start in the United States?

December 2009

In **December 2009**, Sprint began advertising "4G service is expected close in the United States" despite average download speeds of only 3–5 Mbit/s with peak speeds of 10 Mbit/s (not available in all markets).

https://en.wikipedia.org/wiki/4G

4G - Wikipedia

Search for: When did 4G start in the United States?

When was 4G first deployed?

4G Release History

Development on 4G – including the development of what would qualify as a 4G network – **first began in the 2000s**, with standards being formally adopted in 2008. **The first service**

2007-2010 4G / Swine Flu

3



The 2009 swine flu pandemic, caused by the H1N1 influenza virus and declared by the World Health Organization from June 2009 to August 2010, is the third swine flu pandemic involving the H1N1 virus. The first two pandemics were discovered independently in the United States in **April 2009**. Wikipedia

Number of deaths: 284,000
Start date: January 2009
Location: Europe, Africa, Asia, South America, North America, Oceania



Swine Flu



https://en.wikipedia.org/wiki/2009_H1N1_pandemic

2009 H1N1 Pandemic (H1N1pdm09 virus)

In the spring of 2009, a novel influenza A (H1N1) virus emerged. It was detected first in the United States and spread quickly across the United States and the world. This new H1N1 virus contained a unique combination of influenza genes not previously identified in animals or people. This virus was designated as influenza A (H1N1)pdm09 virus. Ten years later work continues to better understand influenza, prevent disease, and prepare for the next pandemic.

Summary of Progress since 2009

Ten Years of Gains: A Look Back at Progress Since the 2009 H1N1 Pandemic

The 2009 H1N1 Pandemic: A New Flu Virus Emerges

The H1N1pdm09 virus was very different from H1N1 viruses that were circulating at the time of the pandemic. Few young people had any existing immunity (as detected by antibody response) to the H1N1pdm09 virus, but nearly one-third of people over 60 years old had antibodies against this virus, likely from exposure to an older H1N1 virus earlier in their lives. Since the H1N1pdm09 virus was very different from circulating H1N1 viruses, vaccination with seasonal flu vaccines offered little cross-protection against H1N1pdm09 virus infection. While a **monoclonal H1N1pdm09 vaccine was produced**, it was not available in large quantities until late November—after the peak of illness during the



Swine Flu (H1N1) Screening Centre

H1N1 Flu Pandemic 2009-2010 A Decade Later

1 Wuhan, China - 9/23/2019

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The following are the results of your search

News
Wuhan's first charging station for unmanned electric vehicles put into use
Commercial zones, logistics channels, scenic areas, industrial parks and highways. The charging station has been upgraded to realize full coverage of 5G communication network. The
2019-10-10

News
7th CISM Military World Games: Athletes' Village to embrace worldwide guests
es' village is a hybrid of classical Chinese architecture and modern technology. Both 5G and free WiFi are able to access here. The face-recognition technology, high-definition came
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News
7th CISM Military World Games: Athletes' Village to embrace worldwide guests
es' village is a hybrid of classical Chinese architecture and modern technology. Both 5G and free WiFi are able to access here. The face-recognition technology, high-definition came
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7th CISM Military World Games: Athletes' Village to embrace worldwide guests
es' village is a hybrid of classical Chinese architecture and modern technology. Both 5G and free WiFi are able to access here. The face-recognition technology, high-definition came
2019-10-10

News
Wuhan issues world's first business license for self-driving car
ree hundred meters, which makes possible monitoring cars in real time. The demonstration zone adopts the most advanced technology at present. 5G and BeiDou high-precision posit
2019-09-23



2 WUHAN CHINA 5G TIMELINE

3 Wuhan, China - 11/19/2019

5G unmanned retail vehicles now available in Wuhan

Source: Xinhua (11/19/2019) [Font Size: bigger medium smaller]

(photo source:Chinanews Microscope Daily)

Three unmanned retail vehicles with 5G wireless technology hit the roads on November 13, in Wuhan, capital of central China's Hubei Province.

The self-driving vehicle is used as a vending machine, and consumers can scan QR code on the electronic screen to finish.

2 Wuhan, China - 11/1/2019

News
Testing base for autonomous cars opens in Xiangyang, Hubei
its for intelligent-connected vehicles with world-leading technologies needed for unmanned driving, including 5G systems, precise positioning and real-time warning. The base i
2019-11-14

News
OVC EXPO 2019 sees 11 key projects signed on opening day
A visitor is experiencing 5G-VR games. A staff is showing 5G smart driving. (photo by Cai Jun/Hubei Daily)
11 projects, worth nearly 20 billion
2019-11-14

News
OVC EXPO 2019 sees 11 key projects signed on opening day
A visitor is experiencing 5G-VR games. A staff is showing 5G smart driving. (photo by Cai Jun/Hubei Daily)
11 projects, worth nearly 20 billion
2019-11-14

News
Central China province launches commercial 5G applications
The branches of Chinese major telecom operators in central China's Hubei Province announced the launch of commercial 5G applications in the province on October 31. Wuhan City
2019-11-01

News
Central China province launches commercial 5G applications
The branches of Chinese major telecom operators in central China's Hubei Province announced the launch of commercial 5G applications in the province on October 31. Wuhan City
2019-11-01

News
Wuhan Military World Games breaks records with new elements
First time that a 5G-powered 8K TV and VR system have been operated. This year's Games will have the largest number of events and participants ever, with badminton, table tennis
2019-10-18

PT-2

1 Wuhan, China - 1/6/2020

Search

Home Hubei Info Business Culture Tourism Education

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News
Viral pneumonia cases rise to 59 in Wuhan, Central China
A total of 59 viral pneumonia cases of unknown cause had been reported in Wuhan, capital of Central China's Hubei province, by Sunday morning, local health authorities said late Sunday
2020-01-06

News
Hubei reports H7N9 infection
A human infection of the H7N9 strain of avian flu has been reported in central China's Hubei Province. With severe pneumonia and sepsis, the patient has suffered multiple organ failure
2019-12-15

2 Wuhan, China - 1/9/2020

Search

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Second death confirmed in Wuhan pneumonia cases
A second patient with coronavirus-related pneumonia has been confirmed dead in Wuhan, capital of Central China's Hubei province, according to a statement released by local health authorities
2020-01-07

News
New coronavirus is linked to outbreak
The mysterious pneumonia outbreak that has sickened about six dozen people in central China is linked to a new strain of coronavirus, Chinese researchers said on Thursday, adding that more
2020-01-10

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New coronavirus is linked to outbreak
The mysterious pneumonia outbreak that has sickened about six dozen people in central China is linked to a new strain of coronavirus, Chinese researchers said on Thursday, adding that more
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New type coronavirus causes pneumonia in Wuhan: expert
Preliminary lab results showed a new type coronavirus had caused the viral pneumonia in central China's Wuhan, according to Xu Jianguo, a Chinese expert who led a team to evaluate the
2020-01-09

News
New type coronavirus causes pneumonia in Wuhan: expert
Preliminary lab results showed a new type coronavirus had caused the viral pneumonia in central China's Wuhan, according to Xu Jianguo, a Chinese expert who led a team to evaluate the
2020-01-09



WUHAN CHINA 5G TIMELINE

PT-3

3 Wuhan, China - 1/9/2020

3 New-type coronavirus causes pneumonia in Wuhan: expert

Source: Xinhua (01/09/2020) 7:05 [Font Size: bigger medium smaller]

Preliminary lab results showed a new-type coronavirus had caused the viral pneumonia in central China's Wuhan, according to Xu Jianguo, a Chinese expert who led a team to evaluate the pathogen test results.

The newly detected coronavirus is different from known human coronavirus species, said Xu, an academican of the Chinese Academy of Engineering.

Laboratory tests on samples from patients found 15 positive results of the new-type coronavirus, and the virus was isolated from one patient's samples, according to Xu.

Six human coronavirus species have been discovered, four of which only cause mild respiratory symptoms. The rest two are linked to SARS (Severe Acute Respiratory Syndrome) and MERS (Middle East Respiratory Syndrome), respectively.

Xu said that further research will be conducted to better understand the new coronavirus. It may take years for researchers to develop medicines and vaccines.

A total of 59 viral pneumonia cases with causes unknown previously, were reported in Wuhan by late Sunday, with seven patients in serious condition. Eight patients have been cured of the disease and were discharged from hospital Wednesday, local health authorities said.

en.hubei.gov.cn/news/newslst/202008/20200827_2841223.shtml

Wuhan, China - 8/27/2020

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Wuhan to reach 5G full coverage in urban areas

Source: en.hubei.gov.cn 08/27/2020 17:41 [Font Size: bigger medium smaller]

At the end of 2020, more than 20,000 5G base stations are expected to be built in Wuhan, capital city of central China's Hubei Province, according to a plan issued by the local government.

The 5G network will cover the city's all urban areas, key areas of new urban districts as well as important industrial parks.

A 5G base stations project has been unveiled to support the rapid development of the digital economy in Wuhan, with 50,000 base stations to be built by the end of 2022, in an effort to rank the nationwide leading level in terms of new pattern of infrastructure construction.

Wuhan is one of the first batch demonstration cities for the commercial use of 5G technology. It has built 17,600 5G base stations by August 13, witnessing 5G technology has been applied in various fields in the city, including intelligent education, intelligent medical treatment, driverless vehicles, intelligent tourism, smart transportation and intelligent enterprises. (en.hubei.gov.cn by Zhang Yawei)

WUHAN CHINA 5G TIMELINE



PT-4

Study: Evidence for a connection between coronavirus disease-19 and exposure to radiofrequency radiation from wireless communications including 5G

Source: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8580522/>

“ we investigated a possible environmental factor in the COVID-19 pandemic: ambient radiofrequency (RF) radiation from wireless communication systems including microwaves and millimeter waves”

“SARS-CoV-2, the virus that caused the COVID-19 pandemic, surfaced in Wuhan, China shortly after the implementation of city-wide (fifth generation [5G] of wireless communications radiation [WCR])”

“rapidly spread globally, initially demonstrating a statistical correlation to international communities with recently established 5G networks”

“we present evidence that wireless communications radiation may: (1) cause morphologic

changes in erythrocytes including echinocyte and rouleaux formation that can contribute to hypercoagulation; (2) impair microcirculation and reduce erythrocyte and hemoglobin levels exacerbating hypoxia; (3) amplify immune system dysfunction, including immunosuppression, autoimmunity, and hyperinflammation; (4) increase cellular oxidative stress and the production of free radicals resulting in vascular injury and organ damage; (5) increase intracellular Ca^{2+} essential for viral entry, replication, and release, in addition to promoting pro-inflammatory pathways; and (6) worsen heart arrhythmias and cardiac disorders.”

Now Watch This Video (Dr Tom Cowan):

<https://rumble.com/v171yur-its-not-virus-its-always-been-toxicity-mostly-rads-ultimate-proof.html>

After that video, watch everything on this page (www.vtvault.org/danger).

Its all milestone videos that changed my understanding on all of this.

Next step, Take legal action against any tower or 5G Node (or anything) that is near where you sleep. After you have success using this information, start showing other people how to take action by showing them this PDF. I hope it helps!

- GK

P.S. One more for ya 😊

Study: 5G Technology and induction of coronavirus in skin cells (Deleted)

Source: <https://web.archive.org/web/20200722024413/https://pubmed.ncbi.nlm.nih.gov/32668870/>

“we show that 5G millimeter waves could be absorbed by dermatologic cells acting like antennas, transferred to other cells and play the main role in producing Coronaviruses in biological cells.”

“waves produce some holes in liquids within the nucleus. To fill these holes, some extra hexagonal and pentagonal bases are produced. These bases could join to each other and form virus-like structures such as Coronavirus. To produce these viruses within a cell, it is necessary that the wavelength of external waves be shorter than the size of the cell. Thus 5G millimeter waves could be good candidates for applying in constructing virus-like structures such as Coronaviruses (COVID-19) within cells.