# The Kill Zones, USA

http://wi-cancer.info/the_kill_zones_usa.aspx

**Documented Information About Cell Towers and Health Effects**

Medical researchers with Masaryk University of Czech Republic and the National Academy of Sciences of Ukraine, 2011: "Population living in the area nearby (up to 350 meters) the cell phone base transmitting station (850 MHz 1500 Watts of full power) during one year of operation and matched individuals from other areas have been compared in Israel. There were 4.15 times more cases of cancer in the transmitter station area than in the rest of the city. Relative cancer rates for females were 10.5 times higher in close to the station area, 0.6 for control area and 1.0 for the whole town....Keeping in mind that a very significant increase in cancer took place during only a one year period, the authors of the study suggested that microwave could provoke latent cases of cancer in inhabitants of the area nearby the transmitting station." [1]

Dr. Martin Blank, College of Physicians and Surgeons, Columbia University: "Since we know that an accumulation of changes or mutations in DNA is associated with cancer, there is good reason to believe that the elevated rates of cancers among persons living near radio towers are probably linked to DNA damage caused by EMF." [2]

## With Each New Antenna Installation, Another Neighborhood Bites the Dust



The above image, with the house seemingly out of kilter, illustrates the Wi-American Dream. The garish fake palm tree is a cell tower loaded with powerful radio antennas. A number of Wi-providers have co-located their antennas on the pole, which guarantees high-frequency electromagnetic toxicity in this residential area. Some of the antennas *send* pulsed, modulated microwave signals and others *receive* signals in order to accommodate voice and data requirements of mobile wireless devices operated by the public at large. Cell towers are infamous for depreciating the value of residential properties up to 20 percent or more. The depreciation of human health is even more pernicious.

The microwave frequencies flowing from most US commercial cell towers are generally between 700 megahertz (700 million hertz) to 5 gigahertz (5 billion hertz). All frequencies in this

range are designated by the International Agency for Research on Cancer (IARC) as Group 2B carcinogenic. [3] We know from the latest science that the electromagnetic voltage generated by these modulated signals is especially damaging to human genetic material, including the DNA. The cell tower "scream" heard with an audio RF/microwave detector at the above site is overwhelming. There is no more impressive horror than the savage sound of wave carcinogen raging through the sacred space of a neighborhood.

*The aggregate of radiation from so many antennas polluting the air close to inhabited buildings is never monitored by any local, state or federal authority for protection of the public health.* Radiation levels are generally calculated from computer models produced by the Wi-industry, not from actual site measurements. [4] Each antenna on the pole emits its own pattern of microwave signals propagated on its own set of wavelengths. The many diverse signal pulse patterns and modulations of a cell tower can change on an hourly or daily basis. Tower victims are privy to virtually no information on what DNA-busting frequencies and power densities are invading their buildings and bodies 24/7.

People using wireless devices serviced by cellular antenna installations should know that every voice and data transaction they generate contributes to impairment, sickness and suffering of people and animals within range of antenna pollution.

Radiation expert Jerry Flynn, a retired Canadian Armed Forces captain with 22 years of military experience in electronic warfare, confirms that ultra-high cell tower frequencies are exceptionally dangerous for humans "because they penetrate more deeply all organ systems of the body and therefore put all human organs at risk." [5]

Physicist Leo Cashman explains that these man made waves are especially deadly because: "...The pulsing adds to the frequencies that are actually in the wave, making it hold lots of other frequencies and increasing the biological impact of the wave, the radiation. And then the modulation, putting the information onto the pulsed carrier wave, whether by amplitude modulation or by frequency modulation, adds more actual frequencies onto the wave and very often those modulating frequencies are very biologically active in their impacts, mostly detrimental, on the human or animal's body....The results are not good and spewing this kind of pulsed, modulated radiation into our human environment all the time is recklessly dangerous." [6]

Nevertheless, cell towers have been flung up willy-nilly across the nation since the mid-1980s, as successive generations are conditioned to believe that every trivial function of social and commercial life must be conducted via pulsed microwave radiation. Most all American neighborhoods are impacted now, because in the USA, wireless connectivity and the "need for download speed" trump human health and human life. Antennas for mobile phone services, Wi-Fi, WiMAX and proprietary security systems hang low over residential districts, schools, hospitals, nursing homes and playgrounds everywhere. The wave fronts of this radiation are scattered as they bounce off of buildings, trees, hills, canyons and split into many electromagnetic paths to destination. Slamming the human habitat from every angle, these pulsing waves intersect and mingle to create Franken-frequencies, which are absolutely impossible to recreate in a laboratory for proper study of their composite bio-effects. Microwave

detectors confirm that flimsy construction materials *offer no protection* against the complex wave forms blasting perpetually into buildings and into all living flesh.



In urban and suburban areas, many commercial antenna systems are sited one on top of another because 4G LTE smart phones and tablets, transceiving for hours each day in the hands of even the youngest of Americans, are exponentially increasing the demand for wireless data capacity. Increasingly common is the sight of two or more towers clustered together in residential areas, with reports of up to *six in a cluster* in the metropolitan area of Phoenix-Scottsdale-Mesa, Arizona. Within each square urban mile, there can be hundreds or even thousands of macro panel (sector) antennas, whip and small-cell antennas, WAN and LAN Wi-Fi antennas, plus smart meter network antennas spewing multiple microwave channel frequencies delivered in a variety of pulsed signal modulations and power densities.

By 2012, the US wireless industry was valued at $195.5 billion: "which is larger than publishing, agriculture, hotels and lodging, air transportation, motion pictures and recording, and motor vehicle manufacturing industry segments. It rivals the computer design services and oil and gas extraction industries." [7] Wi-antenna installations are veritable gold mines for the industry. Over the years, each installation churns out multi-millions of dollars in Easy Money for a thick network of radiation peddlers. Therefore, the industry is pleased to erect thousands more of these weapons annually. The momentum is breathtaking. AntennaSearch.Com offers a comparison count of RF/microwave installations across the USA delivering relentless wave carcinogen to 321 million Americans. These numbers do not include millions of Wi-Fi antennas, nor the huge number of military and other radar installations. [8]

**Microwave Antenna Towers: July 2014: 547, 549**
**June 2015: 575, 256 January 2016: 594, 309**

**Antennas: July 2014: 1,706,048 June 2015: 1,763,574**
**January 2016: 1,805,623**

In 2015, AntennaSearch.Com reported that there are 1,248 wireless antennas emitting radio signals within one square mile of Civic Hall in New York City, and 2,510 antennas (178 cell towers) within one square mile of Times Square, Manhattan. According to the New Networks Institute: "This is only a fraction of the antennas and cell sites in this area of New York...And no one --not Verizon, or the NYPSC, or the FCC has any complete public data or documentation about the number of lines or even wireless cell sites." [9] Factor in the innumerable, unregulated Wi-Fi hotspots and private radio antenna systems in the same areas, and we are taking some "mean heat." There is no federal, state or local authority in the US which is monitoring and calculating the *aggregate radiation* from multiple antennas in micro-environments. Therefore, there is virtually no pertinent health or exposure information available to the millions of people living, working and passing through these super-hot zones.

As documented at this site (The Cancers of High Tech), researchers found that the 900 MHz propagated by GSM mobile antennas causes leukemia cells to divide aggressively after a 48-hour exposure in the laboratory. What does this mean for cancer victims, caught in a mile-square zone with thousands of antennas propagating numerous and coupling microwave frequencies across the spectrum, including 900 MHz? And when will the 2510+ antennas around Times Square morph into 5000+ antennas? No one is asking!

Any urban square mile infiltrated with this kind of wave carcinogen, delivered in hundreds of different modulated frequency channels, is arguably a DEATH CAMP. It's a morbid environment where people incrementally weaken and gradually succumb, not only to the cancer-promoting radiation itself, but also to diseases and bio-toxins which naturally prosper in such areas. Swiss researchers found that toxic molds greatly flourish when stimulated by microwaves and other forms of electromagnetic radiation. Exposing mold to these energies, they "discovered that not only the biotoxins in the culture had increased more than 600 fold, but also had increased to a more potent and virulent form of biotoxin." [10]

Lyme Disease (LD), a devastating neurological affliction spreading rapidly from person to person, is another example of the indirect fallout from wireless assault. Dr. Dietrich Klinghardt M.D., who specializes in the treatment of LD, is "convinced that the increased virulence we're now seeing is related to the dramatic increase in electromagnetic fields and microwave radiation from cell phones, cell towers, and all manner of wireless technologies. Therefore, EMF and microwave radiation mitigation are part of the standard protocol, as any subsequent treatment of Lyme disease will not be as effective unless these external factors are addressed." [11] LD is epidemic in many parts of the US. According to the Centers for Disease Control (CDC), 300,000 Americans are diagnosed with Lyme Disease each year, about ten times the number of cases officially reported. CDC reports that in 2014, in the state of Pennsylvania alone, there were 6470 confirmed new cases and 1017 probable cases. [12] Is ever-increasing microwave antenna radiation one of the reasons why so many LD victims suffer chronic and debilitating illness despite antibiotic treatment?

The ferocity of commercial wireless radiation unleashed nationwide amounts to a sustained, high-frequency *electromagnetic attack* upon the entire US population. Curtis Bennett, president of Thermografix Consulting Corporation in Canada, says that in a military application, the deliberate targeting of populations with such biologically potent microwave radiation would be

an act of war. [13] Bennett uses infrared imaging to illustrate what he calls the "horrifying physiological effects" of microwave interaction with human bodies. Non-thermal microwave radiation is shown on a thermograph as capable of generating "hot spots" all over the body. Consistent reports of cell tower sickness from many nations across the world confirm that wireless radiation, flowing to and from Wi-antennas, is an advancement in slow-delivery lethality. In the Microwave Age, silent but poisonous frequencies have replaced bullets and bombs.



Wi-antenna pollution is comprised of the following complex electromagnetic components, each of which exert measurable and potent biological effects on people, animals and plants:

- **polarization of the waves (vertical or horizontal propagation)**
- **power densities of propagated waves**
- **current drawn from the core power supply**
- **pulsed fields with duty cycles**
- **numerous variations of pulse width, pulse shape, pulse amplitude**
- **static magnetic fields**
- **electromagnetic stray fields**
- **duty factors**
- **burst mechanisms for time division multiple access**
- **hundreds of different frequency channels**

Radiation experts with the Russian National Committee on Non-Ionizing Radiation Protection (RussCNIRP) confirm how little we know about the wave toxicity from Wi-antenna systems: "So far, most of the real MW [microwave] signals that are in use in mobile communication have not been tested for adverse effects. Very little research has been done with real signals and for durations and intermittences of exposure that are relevant to chronic exposures from mobile communication. In some studies, so-called 'mobile communication-like' signals were investigated that in fact were different from the real exposure in such important parameters as carrier frequency, modulation, polarization, duration and intermittence. To what degree such studies are relevant to evaluation of health risks from MW of mobile communication is not known. For example, GSM users are exposed to MW at different carrier frequencies during their talks…The base station can change the frequency [through a selection of many

different channels] during the same call. This means that no one knows to what extent any particular antenna installation is damaging to those who live in its range of effect." [14]

## No Worries for the Wi-Radiation Industry

Protected by federal mandate, Wi-profiteers are free to obtain their lavish booty by mega-microwaving the entire nation with ZERO REGULATORY OVERSIGHT. In late 2014, the Washington Post reported that one in ten antenna installations is in violation of rules set forth by the Federal Communications Commission (FCC). [15] The FCC exercises sole authority over US antenna installations, but the agency admits that it has neither the means to monitor antenna effluent nor the manpower to enforce radiation exposure guidelines, inadequate as these guidelines are. [16] The EMR Network explains: "The FCC requires very little RFR monitoring from its licensees and it does very little of its own....For many of the new personal wireless services, the FCC does not monitor any communications installations for RF compliance. They issue licenses for whole regions and do not have a complete inventory list of actual installations and no idea where many are located." [17] An engineer who found one in ten cell sites out of compliance told the *Washington Post*: "It's like having a speed limit and no police." [18] In other words, USA is a radiation rodeo, and a lawless one at that. Meantime, the average American apparently believes that regulators must be protecting the public and that tower antennas are hunky-dory safe.

FCC publications, including the OET Bulletin 56, minimize antenna health risks with vague assurances and assumptions, but provide *ZERO* up-to-date medical or scientific documentation proving that these installations are in any way safe for the public health during long-term and continual exposure. The FCC rakes in $billions selling spectrum to the same commercial Wi-interests which it also "regulates." This sordid conflict of interest explains why public health issues take a far back seat to economic issues.



Because the FCC imposes no health-based cell tower setback requirements, any American can wake up one morning to find a huge microwave tower and its electrical station being erected mere feet from the walls of his home, workplace, school. Tech freaks would naturally consider it only right that there be one or more of these rip-roaring monstrosities adjacent to *every inhabited building in America*. After all, 4G technologies -- for example, the Apple Watch and its partner iPhone -- require major data flows for: calls, Internet connections, streaming movies, games, TV, music, digital banking and NFC shopping. The Apple Watch allows a wearer to adjust his home Wi-thermostat remotely. Best of all, the watch wearer can doodle on the tiny touchscreen, then

blast that doodle through a Wi-tower on its way to another Apple Watch. [19] *How could survival of the human species be more important than that?!*



Cell tower antennas, now hugely overwhelmed by data flow demands, are certain to multiply exponentially, thanks in part to burgeoning drone (UAV) technologies. New and toxic gigahertz antenna frequencies, urgently sought by wireless providers at auction, will be needed to accommodate the overload. Every American male under 40 is informed that he needs an expensive toy drone with which to spy on his neighbors, harass the wildlife and endanger crowds of bystanders. Tens of thousands of commercial companies and law enforcement agencies are slated to fly drones everywhere across the USA. Tech titans like Amazon and Google are preparing to launch massive drone fleets to deliver packages. Many civilian drone systems utilize smart phones and tablets as control units. Gumming up the airspace with countless thousands of electronic time bombs requires torrents of RF/microwave radiation flowing perpetually between the UAVs, their wireless control systems and microwave antenna towers. By December 2015, *The Economist* noted that complaints about recreational UAVs interfering with regular air traffic have been running at over 100 a month and that American pilots reported some 700 close encounters with UAVs during the year 2015. The chaotic drone invasion is a potent illustration of how wireless radiation technologies + a completely amoral society devoid of common sense = BIG TROUBLE.

When the wireless rollout began in the mid 80s, the lethality of microwave radiation was already well known and hugely documented by renowned scientists across the globe. Many individuals and municipalities, aware of the hazards of radio frequency emissions, were telling the tower and antenna boys: "Not in my back yard!" In response, the Wi-industry sponsored the infamous Telecommunications Act of 1996 (TCA) which was promptly rubber-stamped by the industry's greased palms within the US Congress. Constitutional attorney Gabriel North Seymour explains: "The telecom companies essentially bought and paid congress for the votes to pass this act, which they believed had absolute preemption over local zoning and planning regulations, taking local control of the placement of towers out of the hands of people who are going to live right next to them....Under the Telecom Act, and under the failure to set these safety standards, we are not safe." [20]

Through the Telecom Act of 1996, the Wi-radiation industry BECAME THE LAW. This law commands the American people:




According to the Telecom Act of 1996, the legal "dose" of cell tower carcinogen delivered to the masses is the sole jurisdiction of the Federal Communications Commission (FCC). This law prevents state and local governments from blocking the erection of antenna infrastructure on the basis of health and environmental effects. Both Section 332 and Section 704 state: "No state or local government or instrumentality of such may regulate the placement, construction and modification of personal wireless service facilities on the basis of environmental effects of radio frequency emissions to the extent that such facilities comply with the Commission's regulations covering such emissions." [21]

This carefully crafted verbiage catapults the health of the entire nation into the hands of five FCC commissioners, all of them political appointees with virtually no public health expertise. FCC's public exposure limits for RF/microwave radiation have actually been set by the Institute of Electrical and Electronics Engineers (IEEE), a private professional group which maintains its status as technical advisor to the FCC. Naturally, the corporate membership of IEEE is the literal backbone of the global Wi-radiation industry. Dr. Louis Slesin, editor of *Microwave News* explains: "Essentially the users of RF and microwave technology -- the military, its contractors and the communications industry -- wrote the IEEE RF standard. For example, of the two co-chairs of the committee that developed the most recent safety standard, one works for Motorola and the other for the U.S. Navy and the U.S. Air Force. What are the odds that their safety standard serves their interests? I'd bet the ranch on it." [22]

Motorola is infamous for meddling with the work of scientists who have tried to tell the truth about the disastrous health effects of Wi-radiation. *Seattle Magazine* reported that Dr. Henry Lai, research professor of bioengineering at the University of Washington and fellow researcher Narendra Singh, of comet assay fame, were looking at the effects of non-ionizing microwave radiation--the same type of radiation emitted by cell phones--on the DNA of rats: "They used a level of radiation considered safe by government standards and found that the DNA in the brain cells of the rats was damaged—or broken—by exposure to the radiation....After Lai and Singh's research finding an effect on DNA was published in 1995, Lai learned of a full-scale effort to discredit his work. In an internal company memo leaked to Microwave News….Motorola described its plan to "war-game" and undermine Lai's research." Motorola did all it could to discredit their work and have both Lai and Singh fired. [23]

Likewise, Dr. Jerry Phillips, a well-known cell phone researcher with dozens of peer-reviewed papers under his name, conducted Motorola-funded research and later reported

coercion and falsification of his research by industry agents determined to obfuscate bio-research results unfavorable to Wi-technologies. Dr. Phillips has stated: "There is so much money involved, that the only thing the industry sees is the money. They couldn't give a damn about basic science." [24]

To add to the confusion, there is no federally-mandated radio-frequency exposure standard. [25] Dr. Slesin says that there are actually only two enforceable EMF exposure standards for microwave devices in the US: "One is for microwave ovens set by the FDA and the other is for cell phones set by the FCC." [26] Thus, the ray peddlers and the military run America's Wi-antenna show to their lucrative, self-serving and basically unregulated satisfaction. Here is the resulting deadly situation for everyone:

1. IEEE, a consortium loaded with agents representing industry and military interests, insists that public exposure guidelines must be based *only* on thermal (tissue-heating) considerations. (If the radiation doesn't catch your hair on fire, it's "safe."] IEEE exposure limits therefore allow RF/microwave antenna installations to irradiate the US population with a power density as high as 47 to 61 volts per square meter (580-1000uW/cm2), depending on the propagated frequencies involved. [27]

2. In the real world of flesh and blood, adverse biological effects from microwave radiation are documented by many studies at non-thermal power levels as low as .02 volts per meter (.00001 microwatts per centimeter squared.) Scientists who authored the BioInitiative Report 2012 recommend an outdoor exposure of no more than .6 volts per meter and they believe that the best precautionary level is even lower at .03 to .05 volts per meter. A team of medical researchers have now shown that microwave voltage at only .00675 volts per meter efficiently disables the human immune system. [28]

3. Numerous recent epidemiological studies show that populations chronically irradiated by cell tower antenna radiation report thirteen different categories of pathological symptoms and impairments, even at non-thermal power density levels as low as .0003 to 0.05 volts per meter. [29]

4. Therefore, the FCC's obsolete, IEEE-approved microwave public exposure limit of a whopping 47 to 61 volts per meter is absurd and demonstrably deadly to the public health. Yet, thanks to greed-driven politics, federal law now strictly legalizes, protects and enforces this genocidal travesty, allowing the Wi-industry to claim compliance with FCC regulations while it freely irradiates the entire nation at medically-indefensible power densities.




The BioInitiative Report of 2012 (2014), based on 1800 published medical and scientific studies, was put together by 29 experts from ten nations. This report states: "Public safety standards are 1,000 to 10,000 times higher than levels now commonly reported in mobile phone base station studies to cause bioeffects." [30] The insanity of allowing a public exposure limit as high as 47 to 61 volts per square meter is found in a report by radiation expert and senior physicist Dr. Bill Curry, who undertook a study of especially hazardous cell tower siting scenarios. Traveling to various cell tower sites where people were suffering extreme illnesses, he found homes with ambient radiation measuring as high as 67-70 microwatts $cm^2$ which is about 16 volts per meter. People living in these homes reported debilitating sickness and some had to sleep in their cars for relief. [31] Dr. Curry, whose vast experience includes complex radiation projects at several national laboratories, warned in his report that extreme microwave antenna hazards include:

♦ omni-directional antennas located close to inhabited buildings

♦ directional antennas which focus radiation into elevated homes or building floors situated at the same level as transmitting antennas

♦ antenna radiation amplified by mineral content in the soil or by weather conditions (wet weather can enhance microwave radiation effects)

♦ microwave antenna radiation which couples with the ground waves of a nearby, low-frequency broadcast station [32]

In regards to the FCC's disastrous and obsolete thermal exposure guidelines, the BioInitiative Report states: "...It has been established beyond any reasonable doubt that bioeffects and some adverse health effects occur at far lower levels of RF exposure where no heating occurs at all....It does appear that it is the INFORMATION [pulsing] conveyed by the electromagnetic radiation, rather than the heat, which causes biological changes, some of which may lead to unwellness, illness and even death." [33]

So how did this gross negligence of a thermal-based standard come to pass? Radiation expert Don Maisch, Ph.D., informs us: "Many subjective judgements, based on vested interests and

limited knowledge melded together by Cold War political and military concerns lie at the very foundations of the thermal paradigm."[34]

After abrupt passage of the TCA in 1996, a group of scientists and engineers, backed by the Communications Workers of America, filed suit in federal court. They asked the US Supreme Court to review both the FCC's dangerous exposure guidelines and the legality of a federal law that severely impedes state and local authority in the siting of hazardous transmitters. *But in 2001, the Supreme Court refused to hear the case.* The group's subsequent petition to the FCC asking the agency to bring its exposure guidelines current with the latest scientific data *was also denied*. [35]

In 1999, an interagency working group (RFIAWG), comprised of six federal agencies, took a hard look at FCC's microwave exposure guidelines and admitted that they "may not adequately protect the public." [36] RFIAWG identified 14 health-related issues needing resolution, including the issue of bio-effects from chronic RF/microwave exposure. [37] There has been virtually no FCC follow-up or resolution of any of these pending issues because the FCC, and the Wi-Mafia it protects, have proven to be an unchallengeable juggernaut thus far.

The president of the American Academy of Environmental Medicine (AEEM) warns: "People who live near cell towers are in jeopardy. The science is increasingly clear that there are biological effects from both acute and chronic exposures to non-thermal microwave radiation. It is essential we have a government that puts the public's health above commercial interests." [38] The FCC's exposure standards are absolutely obsolete, confirms Whitney North Seymour, Jr., former New York Senator and co-founder of the National Resources Defense Council. He says: "It is imperative members of Congress request the FCC update the obsolete cell tower safety guidelines to reflect current science." [39]

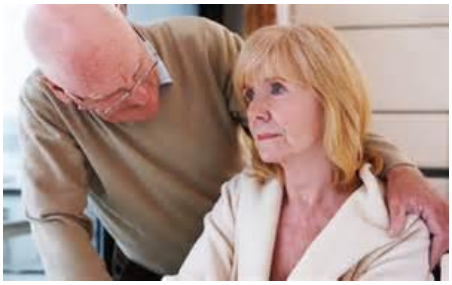
Naturally, such crucial advisement falls on stone deaf ears at the FCC, currently headed by the Wi-industry's most infamous lobbyist and cover-up specialist, Tom Wheeler. [40] Chairman Wheeler, seen below, is former head of CTIA, the Wi-industry's leading global trade organization. Wheeler's shoo-in appointment as the US Wi-radiation czar demonstrates how successfully the Wi-Mafia, with its extraordinary money and power, ensures that Wi-regulators and Wi-regulatees remain as one big, happy, microwave-enriched family. WHEELER'S HISTORY HERE



FCC Chairman Tom Wheeler

## What All This Means for the Masses

In 2010, Dr. Dan Harper M.D., an expert in electromagnetic hyper-sensitivity (EHS), arrived at a city council meeting in Encinitas, California. He was armed with a 12-inch stack of medical journals documenting the health risks of RF/microwave antennas. He was at the meeting to defend the rights of his numerous EHS patients who were confronting construction of new microwave antennas in their neighborhoods. Dr. Harper explained to the council why these antennas especially harm radiation-sensitive patients. After public testimony, the hearing was closed with a reminder by the wireless industry that, under federal law, the city had *no legal right* to deny approval of the proposed new antennas. Dr. Harper later told the local media: "My heart sank as I saw big business once again put the FCC knife to the throats of the City Council and tell them they would have to sit and watch as they [the wireless industry] raped and ravaged the community and there was nothing they could do....Every citizen is being blasted on the cellular level with this radiation. It may take two or three decades to manifest the cancer or dementia, but it is adversely affecting us all." [41]



This is where we stand today. The general public has no vote, no voice, no choice. The Telecom Act of 1996 literally flushed constitutional guarantees of the right to life and the right to free speech in the defense of life. Millions of Americans living and working at close proximity to Wi-antenna installations have no more health and safety protection than *livestock in a feedlot.* Meantime, the latest studies and epidemiological reports confirm one universal certainty: the silent, but potent, man-made wave energy blasting from RF/microwave antennas is a literal grab-bag of sickness, degeneration and slow-death for humans, animals, plants and insects.

Numerous published epidemiological studies indicate that the most acute bio-effects are suffered by antenna-irradiated populations living within 500 meters (1625 feet) of antenna installations. [42] This is about one-third of a mile. However, if a tower has a large number of antennas which broadcast maximum allowable wattage, the KILL ZONE of that installation can extend out much further. In addition, because there are now so many antennas propagating wave carcinogen within each square urban and suburban mile, radiation overlap insures that almost everyone within a highly populated area is trapped within a KILL ZONE.

Hardest hit are segments of the population caught in the "beam patch" areas. A beam patch is a confluence of energy with the highest field strength. Beam patches hit the ground at several times the height of the mast away. If the antennas are mounted on platforms with three sides, like those seen above, the beam patches of high intensity hit the ground around the tower pole at

targets 120 degrees apart. [43] Site engineers have sole discretion on where to aim these most dangerous beams and no one challenges their omnipotence.



Most rooftop antennas, like those seen above, are even not registered with the FCC. Only antenna profiteers are privy to information about the variety of frequencies and the power density of the radiation emanating from them. Microwave detectors confirm that RF/microwave energy from rooftop antennas *routinely leak their radiation downward or sideways into the structures which support them*, creating carcinogenic hotspots *inside* where people live and work. [44] Metallic objects within these antenna buildings are often the hottest spots of all. Rooftop antennas also efficiently propagate massive radiation through windows and walls of adjacent buildings. Rooftop antennas highly endanger workmen and first responders who can be badly irradiated when compelled to work on or near these buildings. Advisors for the insurance industry warns that each year, at least 250,000 US workers come into dangerously close contact with these antennas, putting them at high risk for eye and brain damage, plus sterility. [45]

In 2013, concerned whistle-blowers reported that over 100 rooftop antenna sites in 23 states were found to be in violation of federal exposure guidelines. Some of these installations were documented to be emitting microwave radiation in excess of *600% over FCC's scientifically discredited exposure limits.* [46] Between 1996 and November 2015, the FCC had reportedly issued only two non-compliance citations. [47]

Finally in November 2015, after coming under duress from Senator Richard Blumenthal (D-Conn) and Rep. Anna Eshoo (D-Ca) regarding worker safety, the FCC levied a measly fine of $60,000 against AT&T, a billion-dollar service provider, for a number of violations. These violations concerned three groups of AWS and PCS antennas located on top of an office building in Phoenix, Arizona. Ten months before this fine was levied, FCC agents from San Diego had assessed the situation after the building owner complained of improper antenna warning signs and easy public access to the antennas. While investigating, the inspectors discovered that not only was AT&T negligent in warning sign compliance and prevention of public access to the antennas, but also that the antennas themselves were in violation of FCC's deadly maximum permissible exposure (MPE) limit of 1000 microwatts per square centimeter (61 volts per meter). The antennas were found to exceed the MPE by 175 to 300 percent, a grievous violation that provoked a chicken-feed penalty of only $10,000, according to the FCC's forfeiture notice for this case. [48] The forfeiture money paid by AT&T flows to the FCC, not to the unknown

number of victims who had left pens and cigarette butts next to the antennas while enduring near-field exposures of 80 to 100 volts per meter, radiation levels documented to cause serious and irreparable biological damage.

The grotesque AT&T case verifies that there are likely hundreds of thousands of other rooftop antenna installations across the USA that critically need compliance inspections. But compliance is not the only issue, since the FCC's MPE standards are obsolete and dangerous to the public health, according to modern science. Especially enlightening about this case is the fact that neither Congress nor the FCC demonstrate concern about the chronic radiation exposure suffered by Americans forced to live and work *inside* of buildings laden with toxic rooftop antennas. Therefore, Americans who enter buildings polluted by rooftop antennas --many of them obscured from view-- do so at their own risk.

The serious health effects suffered by people trapped in antenna buildings are illustrated by research recently conducted on condominium inhabitants living under rooftop antennas in Japan. [49] This study is important because it documents a long list of illnesses suffered by the condo inhabitants during their years of exposure and compares their improved health status after the antennas were deactivated. The symptoms ascribed to microwave radiation by this study include: numerous and painful neurological dysfunctions, eye damage, severe fatigue and tumors. READ THE STUDY

## The Small Cell Nightmare



Greatly emboldened by the disastrous regulatory situation, the Wi-radiation industry is eagerly erecting lucrative new cell tower antennas INSIDE of large public buildings. Seen above is a new wall-mounted cellular antenna, color-coordinated to blend in with surroundings. Indoor cellular antennas, within the Distributed Antenna System (DAS) category, are being mounted everywhere to compensate for "signal gaps" left by the macro antenna towers. In January 2015, the media explained how hundreds of these INDOOR antennas were installed for the Super Bowl games in Glendale, Arizona:

" 'People go to games and want to use their phones for everything. They want to get on Instagram, to share pictures and videos, and to do that you have to upgrade the network systems,' explained Mike Kavanagh, with the cell solutions Crown Castle. Crown Castle has been working

for a group of cellular companies to install new equipment, designed to allow security officers, media personnel and fans to communicate without glitches or delays on Super Bowl Sunday.... More than 300 new cell antennas are up and running inside the Gila River Arena, where the Coyotes play. More than 200 are at the University of Phoenix Stadium, and 250 installed at the Renaissance Hotel. The new equipment will remain in place after Super Bowl Sunday, and continue boosting cell power for games and concerts for years to come." [50]

Thus we see that America's obsessive-compulsive need to irradiate the environment for frivolous entertainment and trivial social interaction requires that a sizeable percentage of the US population be rendered antenna-sick, with a profound threat to many lives. Every wireless phone call, text and video/movie/TV streaming session is another strike against the health and life force of antenna victims. No one has informed Wi-worshippers that, in order to gratify themselves with endless microwave diversions, they gravely impair not only their own health, but also the well-being of their entire civilization. The latest medical science is clear: carcinogenic cell antennas -- mounted both indoors and out -- have massive potential to create a sickly, neurologically-damaged, heavily-medicated population with an early expiration date.

Because America's radiation addicts exert an ever-increasing demand for wireless voice and data, corporate ray-peddlers never sleep. Their armies work feverishly around the clock to birth new death ray technologies in order to bring carcinogenic antennas ever closer to home--everyone's home. The ultimate goal, say visionaries, is the day when big cell towers actually become obsolete: "There's no reason why your cell phone is not the cell tower of the future," the founder of Parallel Wireless told CNBC in April 2014. "We're just on the cusp of chips coming out where a $300 chip can power an entire cell tower. When you get that far, it's not much further to a scenario where when you're finished with your cellphone, you can hang it on the wall and it adds to the cellular network." [51] Naturally, the abhorrent health ramifications of such a powerful and far-reaching in-home radiation system is never mentioned by such visionaries.

Meantime, in order to keep a transmitting smart phone or tablet in the hands of every toddler and teen, the small cell antenna business is gaining momentum across the USA and Canada. Alcatel-Lucent has developed tiny "light radio" cube antennas, clusters of which can be hidden, both indoors and outdoors, where they can powerfully irradiate all living flesh at close range. Some of the tiny antennas being developed are reportedly powerful enough to propagate microwave carcinogen for a mile or more, and certainly directly into adjacent homes. [52] Seen below are microcell antennas mounted low to the ground on utility poles in residential neighborhoods. These small cell antennas are currently being used by telecom carriers to fill in signal gaps between large cell towers. The more Wi-lovers overload the system, the more these microwave-spewing DAS antennas will appear mere feet from doorsteps and window sills in neighborhoods everywhere. The worrisome readings listed below indicate that low-to-the-ground small cells are capable of irradiating the population at even higher power densities than some macro cell antennas mounted on high towers.

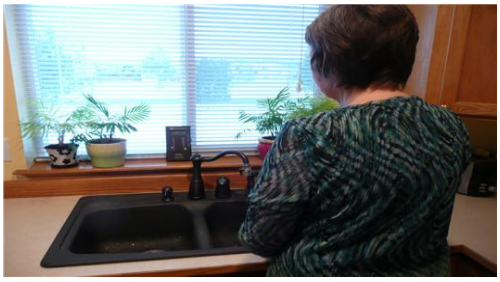



The utility pole-mounted microcell in the picture on the left is whacking this residential neighborhood at almost *nine volts* of modulated microwave radiation per square meter as measured on the ground. The microcell on the right is measuring close to *two volts* per square meter on the ground. Physicist Ronald Powell, Ph.D., explains what this means: "The surface area of an adult body is about 2 square meters (m2). So the surface area that an adult presents to an RF wave arriving from the front, or from the back, is about 1 square meter. So when an adult human faces an oncoming wave of radiation with a power density of say, 10 milliwatts per square meter (mW/m2) that human will receive a total of 10 milliwatts of radiation over the entire body." [53] Therefore, an adult walking a dog within range of the microcell on the left could be assaulted with nine volts of microwave carcinogen across and through his entire body. A teenager playing ball under the microcell antenna on the right will sustain an assault of two volts of microwave carcinogen across and through his entire body. The power density of these low-hanging DAS antennas is impressive in light of recent research showing that the human immune system can be functionally disabled at microwave levels *as low as .00675 volts* per meter. [54]



Most water towers across the USA support a variety of RF/microwave antennas. Preliminary research confirms that continually irradiating community water supplies with carcinogenic waves could be an additional contributing factor to the human suffering and disease reported in antenna KILL ZONES. Radiation expert Dr. Andrew Goldsworthy explains:

"Weak pulsed radiation is routinely used in "electronic" water conditioners to remove lime scales from plumbing....However, the treated water has biological effects similar to those from direct exposure to weak electromagnetic radiation, perhaps due to its removing calcium ions from cell membranes just as it removes lime scales from water pipes....There is a growing tendency to mount mobile phone base station antennas on water towers. This may seem convenient, but it carries a hidden risk because the radiation may also "condition" the water to make it biologically active which could have adverse effects on public health.....This needs urgent attention by the water companies since, unlike the mobile phone operators, they have no legal immunity from prosecution for distributing a potentially toxic product." [55]



The housewife shown above was photographed in a typical American home near howling cell towers. This woman and her family were assaulted for years by wave carcinogen which flows unimpeded through the windows, walls and the roof of this structure. As she stood at her sink, pulsing microwaves penetrated her body at close to one volt per meter, as confirmed by the audio microwave detector sitting on the window sill. Virtually no room in this house is safe from radiation rape, and most horrifying, extra high microwave power density can be measured at each and every electrical outlet. This indicates that high frequency radiation from the towers somehow travels through the entire electrical system of the home and likely, through the power grid of the entire neighborhood.

Although family members are relatively young, while living in this house they suffered from a range of maladies including: MS, diabetes, depression, sleep disorders and incurable fatigue. They strongly suspected that their myriad and inexplicable health problems were related to the wave pollution which flooded their home while the weak economy rendered it not easy to sell. Their story is that of countless millions of ailing Americans. Many of the irradiated undoubtedly prematurely die, but never know why, having been deprived of the knowledge that living, working and playing adjacent to powerful Wi-antennas is a dead end!




## A Hard Lesson Learned by Firefighters

The wireless industry has long sought to place cell antennas on or near fire and police stations because of their strategic locations in densely populated areas near highways where cell coverage can be maximized. At the same time, municipalities receive revenue from wireless companies in exchange for locating antennas on fire and police station property. Seen below is a fire station in the Midwest with a screaming cell tower on site. An audio detector literally vibrates with the energy imparted from this installation as the radiation rampages for many meters all around it. Antennas high up on this pole loudly impact a school for deaf children directly across the street. The school's exercise yard, enclosed by metal fencing and full of metal playground equipment [metal = hotspot], is fairly screaming with antenna radiation, as are countless other irradiated school yards across the nation. Ironically, America professes to care for its children.



In 2004, the US and Canadian membership of the International Association of Fire Fighters (IAFF) passed a resolution opposing the siting of cell tower antennas on or adjacent to fire stations. This resolution was inspired by a pilot medical study which raised serious concerns about the safety of fire fighters working and sleeping in stations with towers on the premises. The study, conducted by Dr. Gunnar Heuser of Agoura Hills, California, focused on neurological symptoms of six firefighters who had been working for up to five years in stations with cell towers. Their symptoms included: slowed reaction time, lack of focus, lack of impulse control, severe headaches, anesthesia-like sleep, sleep deprivation, depression and tremors. [56]

Dr. Heuser, along with Dr. J. Michael Uszler of Santa Monica, used functional brain scans to assess changes in the brains of the six firefighters, as compared to healthy brains of men of the same age. These SPECT scans revealed a pattern of abnormal changes concentrated over a wider area than would normally be seen in the brains of individuals exposed to toxic inhalation, as might be expected from fighting fires. Dr. Heuser confirmed that the only plausible explanation would be the chronic RF radiation exposure. Additional TOVA testing of the same six firefighters confirmed: delayed reaction time, lack of impulse control, and difficulty in maintaining mental focus, just as they had reported. [57]

IAFF's Resolution Number 15, dated August 2004, explains impressively what living and/or working in a KILL ZONE means for the health of Americans who have been "chosen" for sacrifice by the Wi-Industry. READ IT HERE

Fast forward to now. The city of Los Angeles is partnering with Motorola and the Department of Homeland Security for the initial rollout of over 200 new cell tower installations required by the new LA Regional Interoperable Communications System (LA-RICS). The LA-RICS project, underwritten by hundreds of millions in federal grant money, is to connect more than 80 public safety agencies with a new 700 megahertz wireless network covering an area of 4,000 square miles. LA-RICS is comprised of two subsets: a land mobile radio system and an LTE broadband (4G) communications system. [58] LA-RICS will grandly enrich mass tracking and surveillance capabilities, undoubtedly a major purpose for and the momentum behind, all wireless technologies. Among the unwashed masses, LA-RICS is nicknamed "Fry and Spy."




The original plans for LA-RICS mandates the initial 200+ new antenna installations to be sited at fire and police stations across many cities in the LA area. Therefore, in March 2015, IAFF Local 1014 petitioned the Los Angeles County Board of Supervisors to halt construction of

these towers on fire stations until proper health studies can be conducted and until transparency is obtained on the interest-conflicted political machinations behind the LA-RICS project. [59] Sadly, cancer already accounts for more than half of line-of-duty firefighter deaths nationwide. [60] IAFF and supporters miraculously convinced the Board to declare a temporary moratorium on behalf of not only first responders, but also the innumerable families living near fire and police stations.

Unfortunately, even if the union can consummate a permanent moratorium, the new LA-RICS surveillance towers will simply be sited in other areas where victims are oblivious to the horrendous health risks involved. The 200+ new LA-RICs antenna systems will hyper-irradiate the already microwave-saturated LA metropolitan areas. It is reasonable to expect that the lifespan of the "lucky winners," perpetually irradiated by LA-RICS super-antennas, will enjoy the life span of fruit flies. This same type of radiation-intensive tracking and surveillance system is reportedly coming to other states and cities soon.

Speaking of California, the question arises: *Could Microwave Man TWITTER, TWEET, INSTAGRAM and APP himself into extinction?* Of the fifty states, California leads the nation in the number of wireless antennas. [61] It also leads in new cancer cases and annual cancer deaths. [62] Thirty-nine million citizens in this drought-ridden state are facing critical water shortages, while wild fires of the future are expected to be unparalleled in their destructive fury.

**RF/MICROWAVE ANTENNAS OSCILLATE MOLECULES AT MILLIONS TO BILLIONS OF TIMES PER SECOND.**

**THIS FRENETIC ENERGY CAUSES FRICTION AND THEREFORE HEAT.**

Microwaves HEAT flesh and they HEAT the atmosphere. Microwaves DRY the flesh and they DRY the atmosphere. California alone has 130,000+ cell towers, quadrillions of unregulated Wi-Fi antennas, innumerable DAS antennas mounted on utility poles/buildings everywhere and a state-wide smart meter mesh antenna infrastructure. Even urban street lights are slated to become LTE antennas. Factor in the new LA-RICS antenna network (with similar systems in other urban areas, i.e., San Francisco), plus the great HPWREN TRANSMITTERS (see information below), plus the approaching vehicle-to-vehicle radar rollout and what do you get?

**ENVIRONMENTAL HEAT ON STEROIDS!**
**DRY BABY, DRY!**

## "Public Safety" and Cancer Clusters

RF/microwave radiation destroys DNA as efficiently as nuclear radiation, as carefully documented at this site. Cancer begins with damaged DNA. Therefore, the consequences of unbridled Wi-irradiation of the USA is guaranteed to result in loss of life and painful death for many people. The current public health emergency posed by Wi-radiation is still unrecognized by most victims; the herd shuffles in ignorance and silence to their cancer treatments and to their

graves. But every so often, muck boils to the surface, as it did with the horrific cancer cluster which erupted several years ago at San Diego State University (SDSU).

We have some information on this disaster, thanks to Virginia Farver, the courageous mother of Rich Farver, who died of glioma brain cancer in 2008 at the age of 29. [63] Rich was among a group of other academics who likewise developed horrendous malignancies after suffering acute exposure to antenna radiation on the campus of SDSU. Rich Farver was reportedly a healthy student when he took up graduate studies at SDSU. He spent many long hours on campus in Nasatir Hall, a study and meeting center. A notably long list of other cancer victims also spent considerable time in Nasatir Hall. Only meters away from Nasatir Hall, effusing its relentless carcinogen into numerous campus buildings, is still today a huge antenna-loaded communications tower.

Virginia Farver's urgent warning provides a glimpse of a massive cover-up perpetrated by both the wireless radiation industry and its lapdog federal agencies. Having spent years researching the accoutrements of exposure from this installation, Farver writes of the tower: "It is a HPWREN--High Performance Wireless Research and Educational Network--a backbone node to the UCSD Supercomputer Center in San Diego. It is also GWEN--Ground Wave Emergency Network, with emissions known to hug the ground....HPWREN includes Homeland Security, DoE, DoD, DARPA, Air Force, Navy, National Institutes of Health, SPAWARS, NASA-Inmarsat Satellite, emergency services and many huge corporations." [64]

HPWREN network officials admit: "The network has required the installation of numerous large antennae throughout the area....Coordinating the installation of these antennae, which can be eight to 10 feet in size, and weigh up to 400 pounds, can be a real challenge. We have used hoists, cranes and in one case even a helicopter to put radio links in place." [65] The RF/micrwoave emissions from such powerful transmitters have to be gargantuan, but the particulars of these emissions (frequencies, power densities, pulse patterns) is not in the public domain due to "security" concerns. A major extension of the HPWREN system is the Area Situation Awareness for Public Safety Network (ASAPnet), a massive wireless Internet data communications network connected to firefighter installations throughout the San Deigo and surrounding areas.

Funded by the National Science Foundation, the HPWREN project is a vision of America's future with its morass of broadband transmitters, sensors and spy cameras scattered throughout at least 20,000 square miles of the Southwest. The HPWREN network has metastasized throughout many rural communities, including numerous Indian reservations as it links to the U.S. Park Service and the NASA's National Weather Bureau. [66] It also links to NASA's Satellite Laser Ranging Program (SLR) and the global MOBLAS system which transmits satellite laser ranging data and communicates with numerous sponsors of geophysical experiments like SOPAC, DORIS and EarthScope. [67]

The HPWREN project was conceived around 2000 by research scientists with the San Diego Supercomputer Center at the University of California San Diego [UCSD]. Here lies the very guts of HPWREN. In 2009, protestors brought to media attention another cancer cluster connected to a building located on the UCSD campus: "Protestors at the University of California,

San Diego, are lobbying school administrators to address a 'cancer cluster' linked to a campus building...being blamed for a cluster of breast cancer cases, raising new questions about the risk of exposure to electromagnetic fields....At least eight workers in the campus building have been diagnosed with breast cancer since 2000 and a handful of other cancers, including ovarian and salivary gland cancers have also been reported." [68]

The SDSU and UCSD cancer clusters, and numerous others not documented here, are clue that the more Americans are irradiated in the name of "public safety" and mass surveillance, the sicker the population will become. Both of these university cancer clusters were swept under the rug. School officials reportedly remained disengaged while the media was loath to travel this territory. Nasatir Hall was closed off after the SDSU cancer cluster came to light, but Virgina Farver reports: "The HPWREN cell tower is still on campus. There is an outdoor courtyard directly underneath this cell tower. I was on campus, daily for three weeks, fall 2011. I observed kids sitting under this cell tower for hours, day after day. There are newly constructed Fraternity Row Housing Units across the street from the KPBS News Station and cell towers on campus. Again I watched boys sitting on balconies for hours and hours. Some of these fraternity units are newly adorned with metal windows and metal balcony railings, which attract radiation. How many of these kids will become ill, or already have? Some form of cancer no doubt. Many without this knowledge. I not only fear for these kids, I fear for Humanity." [69]

That such complex and potentially lethal antenna systems as HPWREN can be sited mere feet from buildings on heavily-populated campuses is frightening indeed. In general, American colleges and universities are Wi-radiation hotbeds. Techno-fanatics "own" most campuses and unwary students submit to perpetual irradiation that almost no one experienced a generation ago. For all their hyper-expensive "education," it is particularly horrifying that so many of these young conformists have been successfully conditioned to submit --without a bleat-- to time-release genocide of the Microwave Age.

## Interesting Thoughts on Microwave Pollution Across America



For two decades, it has become conspicuously apparent that a *foremost imperative, at all levels of the US government,* is the militant erection of *more and more* microwave installations everywhere across the nation. This continues, despite the plethora of medical science confirming that these installations are profoundly threatening to all biological life.

As concerned citizens learn about the ever-increasing dangers of RF/microwave antenna radiation, they are often perplexed as to how and why our nation has devolved to this disastrous, self-destructive state. Because microwave radiation has long been used by governments to manipulate the environment, and because the powerful biological effects of RF/microwave radiation are well-documented, some informed people suspect that America's official Microwave Mania may have a dark dimension. It is technically possible that powerful and myriad high-frequency installations, possibly including the HPWREN system as seen above, could be utilized for classified reasons known only to America's shady ruling elite. The *Activist Post* has published a 2015 essay entitled "Cell Phones--Cell Towers--HAARP: An EMF Triple Threat" by Michael T. Winter. Here are some thought-provoking excerpts which bring to mind our bizarre weather extremes and random acts of violence contrasting with the passive, almost lobotomized behavior of the general population. Keep in mind that there are reportedly numerous, experimental HAARP-type installations located across the planet:

"The High-Frequency Active Auroral Research Program, or Haarp, in Alaska is well known by now, at least to those even semi-awake. The acknowledgement of Haarp as a method of controlling the weather is not a secret; indeed, it is a stated function as published by the US government. This high-tech facility, operated by the US Navy, Air Force and several universities, is an extremely powerful transmitter that (very simplistically put) directs intense energy beams into the ionosphere with the goal of influencing: jet streams, creating rain or drought, tsunamis, hurricanes and other uses as well. This ultimately is equivalent to "cooking" our ionosphere. Haarp, however, is limited by the curvature of the earth; hence its range of manipulation is finite.

"This is where cell towers come into play. Cell towers can be 'harnessed' in their power, allowing for focused energy bursts within a tightly held geographical area. The signal can be bounced tower to tower until reaching its destination. There is an enormous mountain of data supporting the following theories of Haarp and cell tower shenanigans in relation to the following recent events. Between chemtrails and ionospheric manipulation, the government has artificially created the drought in California." REPORT ON THE DEADLY CHEMICALS USED FOR GEOENGINEERING

also:

"Can it be there is an ulterior motive, or motives, above and beyond a strong signal, in equipping these towers with up to half a million watts of transmitter power? Yes there is....You will note that the human body is a self-contained electrical unit. The human brain is a biological computer and, like a computer, it has a clock frequency that all your existence is centered around....The fact that your brain operates on frequencies leaves it susceptible to manipulation via electronic means. Since different moods are reflected by different frequencies, it is possible to electronically force people to be relaxed when they should be angry, laugh when they should be appalled, and give loyalty when they should rebel." [70]

# The Price We Pay for the Games They Play



What follows is a short list of the symptoms widely reported by people living and/or working in antenna KILL ZONES. These symptoms have been documented by a number of high-quality epidemiological studies conducted across the globe:

- **whole body weakness, chronic fatigue, lack of stamina**
- **sleep disorders, including disruption of normal REM sleep**
- **headaches, problems with concentration and memory**
- **heart palpitations, fluctuating blood pressure, dizziness**
- **chronic structural problems and pain in muscle, bone, tendon**
- **fibromyalgia, arthritis, extremity nerve problems, including restless leg syndrome**
- **vision and hearing degradation**
- **severe allergies of many varieties**
- **skin rashes and hair loss**
- **increased susceptibility to mold, bacterial, fungal and viral diseases**
- **endocrine abnormalities: pituitary, pineal, pancreas, adrenal, thyroid**
- **abnormal body weight**
- **lack of libido and/or sexual dysfunction**

♦ **emotional difficulties: inner agitation, inability to cope, depression, panic attacks**

♦**significant decrease in ACTH, cortisol, thyroid hormones, testosterone and prolactin for young females**

♦ **abnormal secretion of both serotonin and melatonin hormones**

♦ **encephalopathy of the brain**

♦ **numerous types of cancer, especially of the brain, breast and lungs**

An excellent document describing the above symptoms of Wi-sickness, also known as the Microwave Syndrome, is contained in the Freiburg Appeal, compiled by a large group of German doctors. [71] This information clearly documents the inevitable sickness inherent in homes, workplaces, medical centers and schools saturated with cell tower radiation *in addition to* radiation from Wi-Fi signal generators, DECT phone systems, smart utility meters, Wi-security systems, signal boosters, plus the effluent from many types of personal Wi-devices. People who endure such sick buildings are truly and ultimately the walking dead. READ THE APPEAL HERE

Virginia Farver worked long and hard to uncover suppressed information about her son's cancer cluster at SDSU. This is exactly what activists should be doing in every cell-tower irradiated neighborhood and on every Wi-tortured school campus in America. The poisonous 20,000 ton chemical dump at Love Canal in New York state would still be maiming and killing children of that area had not mothers there been determined to discover the root cause of the terrible suffering of their kids in the late 70s. These mothers went door to door to collect information and they organized that information into a media revelation that shook the nation. A neighborhood survey is a great way to raise awareness on critical Wi-radiation issues.

Because U.S legislative, judicial and regulatory branches of government are currently in harness to aggrandize and protect Big Radiation, while keeping a lid on our nation-wide scandal of cell tower sickness, there is no agency or information clearing house where injured Americans can report their antenna sickness. Therefore, it is incumbent upon each microwave-abused community to investigate and gather its own surveys and epidemiological reports. Those who take the time to talk to their neighbors and catalog the cell tower illnesses and unusual cancer and birth defect clusters in their immediate areas will begin to understand: public education and political activism regarding the bio-effects of microwave antenna pollution are now essential for human survival. Eileen O'Conner's story is a great example of what people can learn when they begin to take an interest in the health of their neighborhoods. Her message is especially important for America's countless small towns and villages where almost everyone lives within 500 meters of the central antenna installation. EILEEN'S STORY HERE

Informed public backlash can change corrupt federal law and dump dirty, compromised politicians. Every concerned citizen should invest in a good audio RF/microwave detector. There is no substitute for enabling people to HEAR the wave carcinogen flowing through their

environment. People have a right to actually see and measure the vibratory Wi-voltage which is documented to sow disease, disability, deformity and premature death. Become empowered with this information and *you become part of the great awakening*, which these days, can even be found at the US Department of Interior (DOI). In a 2014 letter to the National Telecommunications and Information Administration (NTIA), the DOI admitted that wireless radiation from cell towers devastates nesting birds, causing: nest abandonment, plumage deterioration, locomotion problems, reduced survivorship and death. DOI confirmed that birds can be damaged at very low, non-thermal levels of microwave radiation and it stated: "....Electromagnetic standards used by the Federal Communications Commission (FCC) continue to be based on thermal heating, a criterion now nearly 30 years out of date and inapplicable today." [72] These official words should shiver the timbers of those who hear the sordid sound of cell tower pollution screaming through their homes, schools and neighborhoods.

Meantime, the Wireless Innovation Act of 2015, sponsored by the Wi-industry's most illustrious greased-palms in the US Senate, has been unleashed to facilitate yet more Wi-spectrum transactions on the secondary market and to ensure that all federal lands and federal buildings be further festooned with more broadband infrastructure. At the same time, FCC chairman Tom Wheeler and his sidekicks at CTIA are shoving forth a 2014 FCC infrastructure order that will exponentially increase the number of small cell antennas to be mounted everywhere across the nation. Senator Ron Johnson (R-Wi), a sponsor of the Wireless Innovation Act of 2015, celebrates all of this additional fuel for America's Wi-inferno, saying: "Mobile traffic is expected to grow eleven-fold between 2013 and 2018 according to industry projections." [73] The ramifications of this new burst of Wi-mania will be seen in cancer-inducing antennas being mounted --even at ground level-- on virtually any and every surface which can support them.

There is little sense in people objecting to macro and small cell antennas in their yards if, at the same time, they are addicted to their personal Wi-devices and contribute to the insane increase in mobile traffic guaranteed to further sicken our nation. *The most effective and powerful way to respect the earth and save lives in the Microwave Age is to avoid the use of Wi-technologies for foolish and trivial purposes.* The best way to discourage antenna installations near homes is to generate zero or very low Wi-usage within those homes. Ray peddlers carefully monitor locational traffic usage and they have tepid interest in siting Wi-antennas in areas that yield a dismal return on their investments.

Americans could avert and alleviate incalculable suffering if they would wisely and purposely: revert to landline phone service and demand fiber optic, coaxial and Ethernet cable systems for safe and efficient Internet services. Forfeiting the decadence of mindless entertainment through "connectivity any time any place" is a small price to pay, considering that the health and genetic integrity of all Humanity is at stake.

## Wi-Sick Communities Everywhere

A history of neighborhoods and communities which have struggled and fought against Wi-antenna pollution literally fills volumes. Informed people all over the world are actively engaged in opposing the deadly RF/microwave irradiation of their communities. It is impossible to report

every detail of the mighty struggle here, but the Internet is loaded with reports. A good site for information on this global struggle is BURGERWELLE.COM where Wi-radiation news is gathered from around the world. Staggering are the archives at this site! While the Wi-radiation industry claims that there is no evidence of harm, this site contradicts that great lie. It fully documents the undeniable costs of Wi-technologies in terms of human and animal suffering. Subscribe for free and this newsletter will be e-mailed to you weekly. The two stories featured below are examples of community tragedies that will continue to escalate until enough Americans awaken, turn off their Wi-devices and fight back against merciless antenna genocide.

## From the Mail Online, UK:
## 14 Die in Seven Years Living Next to Phone Mast With Highest Radiation Levels in UK



## From the Associated Press, USA:
## Ohio Child Cancers Confound Parents, Investigators



**A Canadian woman in the YouTube video below** describes her immediate health effects from rooftop antennas sited on her apartment building. She explains her sudden development of electromagnetic hypersensitivity (EHS), a condition which is afflicting increasing numbers of people who encounter acute Wi-antenna exposure. As you listen to her report, keep in mind that

the FCC prevaricates in one of its publications: "When cellular and PCS antennas are mounted on rooftops, RF emissions could exceed higher than desirable levels on the rooftop itself. ....Such levels might become an issue for maintenance or other personnel working on the rooftop....Individuals living or working within the building are not at risk." [74]

https://youtu.be/-G3CWrgDS5E

**This YouTube Video features an intrepid reporter discussing the dirty underbelly of the LA-RICS deal in Los Angeles and the 2015 moratorium requested by IAFF Local 1014.**

https://youtu.be/soIvrkfKg-I

One authority on the legal ramifications of wireless pollution writes of Wi-America: "...We as a society will become resigned to living with markedly elevated levels of illness and impairment from this radiation and its resultant booby trap, the perpetuation of the cycle of medical professionals trying to triage these problems with oncology surgery, and [with] sleep, heart rate, blood pressure, depression and pain medication that result in side effects, necessitating more medication. One expert wrote that he feels that a new social compact is effectively being drawn up--a society with lots of shiny (exciting?) toys that hasten the pace of life in return for an understanding that many will die young and governments won't have to pay so much for Social Security." [75]

While things are going fine for Wi-profiteers, surveillance-obsessed governments, and pharmaceutical drug manufacturers, what about everyone else caught in the KILL ZONES? If the majority of Americans choose to remain uniformed on the devastating effects of Wi-radiation, and if they continue to aggrandize and blindly collaborate with their profit-drenched murderers, improperly-regulated antenna pollution will continue to explode unchecked. What this means for multi-millions of people, literally immersed in silent rivers of wave carcinogen, is perfectly framed by the lyrics of Paul Simon's 1964 ballad, *The Sound of Silence:*

**"….No one dared disturb the sound of silence**
**'Fools,' said I, 'You do not know**
**Silence like a cancer grows…. ' "**



The Kill Zones, USA - http://wi-cancer.info/the_kill_zones_usa.aspx
Documented Information About Cell Towers and Health Effects

# Reference Notes With Additional Information

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2. Dr. Martin Blank, Columbia University, College of Physicians and Surgeons, Department of Physiology and Cellular Biophysics: "An Open Letter to Mayor Young and the Langford Council, Langford, B.C." September 11, 2008. Read Dr. Blank's letter HERE.

3. IARC Press Release 208: IARC CLASSIFIES RADIOFREQUENCY ELECTROMAGNETIC FIELDS AS POSSIBLY CARCINOGENIC TO HUMANS, Lyon, France, May 31, 2011: The WHO/International Agency for Research on Cancer (IARC) has classified radiofrequency electromagnetic fields as possibly carcinogenic to humans (Group 2B), based on an increased risk for glioma, a malignant type of brain cancer, associated with wireless phone use. This classification is only preliminary, because the REFLEX studies, completed in 2004 by the European Union, have shown that microwave radiation from cell phones produces catastrophic DNA damage identical to that of nuclear radiation, which is a Group 1A (confirmed) carcinogen.

4. "Serious Flaws With the FCC RF/MW Safety Standard," The EMF Network: emfnetwork.org, 2015.

5. Jerry Flynn, "An Open Letter to Jonathan G. Herman, CEO of Federation of Law Societies of Canada," 04-27-2015.

6. Lee Cashman, BS Physics, MA Mathematics: "Mankind's Worst-Ever Genocide is Now Brewing," Omega Group, May 7, 2015.

7. *The Wireless Industry: The Essential Engine of US Economic Growth*, Roger Entner, Recon Analytics, 2012.

8. AntennaSearch.Com is a very useful site, but there is no way that this source can find and identify ALL RF/microwave irradiating installations in the USA. Even the FCC does not maintain a complete inventory and up-to-date location data for all commercial, industrial and military installations propagating carcinogenic wave radiation. Therefore, the astronomical tower and antenna numbers listed at this site are only part of the story. Also, these numbers certainly don't reflect the zillions of outdoor Wi-Fi antennas currently "cooking" the nation.

9. "Deceptive Accounting Used By Verizon," B. Kushnick, Huffington Post, 09-04-2015.

10. "Electromagnetic Fields Increase Toxins Quite Significantly," American Chronicle, 03-10-2010.

11. "Dr. Dietrich Klinghardt Links Microwave Radiation with Lyme Disease," stopsmartmeters.org. INTERVIEW HERE

12. "Lyme Disease Cases Reach 300,000 per Year in US, Are Underreported," *New York Daily News*, 08-20-2013. See also: *Reported Cases of Lyme Disease by State or Locality, 2015*, Centers for Disease Control and Prevention, www.cdc.gov.

13. See Curtis Bennett's website: www.thermoguy.com for an excellent education on thermography and Wi-radiation. The following link is an informative 30-minute YouTube video with Bennett showing how thermography illustrates the biological destruction of microwaves. CLICK HERE

14. *Risk Assessment of Chronic Exposures to Non-Thermal Microwaves from Mobile Communication*, Igor Belyaev, Stockholm University, Department of Genetics, Microbiology and Toxicology, Sweden, May, 2014.

15. "One in 10 Cell/grid Towers Violate RF Radiation Rules, "*Wall Street Journal*, April 10, 2014.

16. Ibid.

17. "Serious Flaws with the FCC RF/MW Safety Standard," The EMF Network: emfnetwork.org, 2015.

18. *Wall Street Journal*, op. cit.

19. "Apple Shows What You Can Do with the Apple Watch in New Videos," *Business Insider*, 04-03-2015.

20. Gabriel North Seymour makes these statements in the movie Full Signal, 2010. The Telecommunications Act was shoved through the US Senate in 1996 with only one dissenting vote. The Wi-industry's reported contributions to members of congress are huge and consistent year after year. The industry was especially generous during the years 1994-1998, showering members of congress with nearly $12 millions of dollars in campaign contributions. After Bill Clinton signed the TCA, the industry rewarded his re-election campaign with $80,000.

21. 47 US Code, Sections 332 and 704, as part of the Telecommunications Act of 1996, have never been reviewed by the US Supreme Court for their constitutionality.

22. Dr. Louis Slesin, publisher of *Microwave News*, is quoted in: "An Interview with Louis Slesin," by the Institute for Inquiry, Box 335, Davenport, California.

23. "UW Scientist Henry Lai Makes Waves in the Cell Phone Industry," *Seattle Magazine*, January 2011.

24. An excellent essay on how Motorola and the Wi-industry have historically manipulated radiation science is "Cellphone Games," featured in the online magazine The Walrus at walrus.ca, September 2008. Dr. Phillips is quoted in: "The Cell Phone Industry Shamelessly Tries its Hardest to Keep Health Effects From Cell Phones Quiet," Crib and Hamilton, thestar.com, Powerwatch, 11-07-2005.

25. The BioInitiative Report 2012 (2014), Section 3: "The Existing Public Exposure Standards," p. 1.

26. Louis Slesin, op. cit.

27. "Dutch Government Finds Non-Thermal Effects from Exposure to Mobile Communications Antennas." The EMR Policy Institute, October 23, 2003. This document confirms FCC public exposure limits for the US in volts per meter. FCC generally publishes exposure guidelines in microwatts per centimeter squared.

28. This research is so new that it is still in the process of being finalized and published. In June 2015, the results of these studies were presented by lead researchers at a neuroimmunity conference in St. Petersburg, Russia. Leading researcher in the project, Professor Trevor Marshall, has disclosed: "My own group's contribution has been in demonstrating that the human immune system is affected at very low levels, being functionally disabled at peak levels as low as .00001uW/cm2 [.00675 V/m]--functionally disabled at levels to which most of the population are exposed these days." Omega Group, omega-today.net, May 14, 2015.

29. The BioInitiative Report 2012 (2014), Section 2: Statement of the Problem." This document states: "At least five new cell tower studies with base station level at RFR levels ranging from 0.003 uW/cm2 to 0.05 uW/cm2 [this is only 0 .1 to 0.4 V/m] published since 2007 report headaches, concentration difficulties and behavioral problems in children and adolescents; and sleep disturbances, headaches and concentration problems in adults."

30. Ibid.

31. Dr. Curry's report is Chapter Six in: *Cell Towers: Wireless Convenience or Environmental Hazard?, Proceedings of the Cell Tower Forum State of the Science/State of the Law,* edited by B. Blake Levitt, Berkshire-Litchfield Environmental Council, December 2000.

32. Ibid.

33. The BioInitiative Report 2012 (2014), Section 2: Statement of the Problem." p. 4.

34. Dr. Don Maishe's statement in slide presentation at University of Tampere, Helsinki, Finland, 2008.

35. The history of early legal efforts by concerned citizens and experts is outlined here: "Libby Kelly Comments on the Actions Being Taken by the Council on Wireless Technology Impacts," *Earth News*, 03-29-2002. See also: "Supreme Court Rebuffs Challenge to U.S. Tower Policy, *Microwave News*, January-February 2001.

36. The BioInitiative Report 2012 (2014), Section 2: Statement of the Problem." p. 8.

37. Ibid.

38. Robin Bernhoft, president of the American Academy of Environmental Medicine is quoted in: "FCC Must Update Cell Tower Safety Regulations, Say Health and Environmental Advocates," Business Wire, July 26, 2011.

39. Whitney North Seymour, Jr. Esq., founder of the National Resources Defense Council, is quoted in "FCC Must Update Cell Tower Safety Regulations, Say Health and Environmental Advocates," Business Wire, July 26, 2011.

40. "Did Tom Wheeler, the Nominee for Chairman of the FCC, Subvert Research Showing Harm from Cell Phone Radiation?" SaferEmr.com, 10-30-2013. This article details Wheeler's long and illustrious career working at top levels within the Wi-industry while using tactics of the tobacco industry to suppress and bias scientific research showing severe harm from Wi-radiation. Most interesting is that some charges leveled against Wheeler were originally outlined by RCR News, an industry publication. SaferEMR, which featured this expose, is a great website by Dr. Joel Moskowitz of the School of Public Health, University of California, Berkeley. It offers up-to-date scientific and policy developments regarding the health effects of electromagnetic radiation exposure from cell phones, Wi-Fi, smart meters, and other wireless devices. WEBSITE HERE.

41. "Local Doctor Shares his Views on Dangers from Electromagnetic Field Radiation," *The Coast News*, July 22, 2010.

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43. The information on beam patches is from Dr. John Walker, CPhys, a member of the advisory panel of the UK h.e.s.e. This is an international organization of experts, researchers and concerned parties engaged with issues around the exponential increase in electromagnetic radiation and fields, due mainly to developments of mobile telecommunications in the microwave range. Most of this group are, or have been, directly affected by environmental microwave emissions, and have sought a scientific understanding of why this occurs and what should be done.

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63. "San Diego State University Cancer Cluster from Cell Tower?" Towards Better Health, http://mieuxprevenir.blogspot.com, 05-31-2013. See also: "SDSU Cancer Cluster and Smart Meter Dangers," posted by Craig Farver (Rich's dad) La Mesa.patch.com, September 2012.

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74. "Human Exposure to Radiofrequency Fields: Guideline for Cellular and PCS Sites," Federal Communications Commission, www.FCC.gov.

75. "What's the Problem with Big Wireless?" Deborah Kopald, March 31, 2015. Deborah Kopald (BA, Harvard, MBA MIT Sloan School of Management) is an environmental health and public policy consultant and author who has developed and overseen the passage of legislative initiatives and has served as a guest expert at various media outlets. Read here her amazing essay: Legal and Public Health Problems of the Wireless Age