



Covering entire windows and doors with aluminum screening only slightly reduces 24/7 rf entrance into home.



Chronic bloody stool syndrome during periods of maximum rf radiation exposures.

8/30/2013



Chronic bloody stool syndrome during periods of maximum rf radiation exposures.

Radiation Sickness; D. Yourovski Comments, Sep. 4, 2013

To: The Federal Communications Commission

From: D Yourovski

Date: September 3, 2013

I am writing to you in behalf of myself and for all children and other residents of our grand USA and I am asking, pleading, you to revise the standards for human exposure to radio frequency radiation. In the best interest of our nations most valuable resource, our children, I'm imploring you to seriously consider not only the immediate but long reaching consequences to humans through EMF exposure, and revise the standards to be more restrictive than we presently have in place.

I personally have been affected by the radio frequency radiation. Working in public schools in the computer labs, I have been taken out of the lab by wheelchair during a workshop from becoming dizzy, disoriented, slow of speech, and feeling extremely fatigued and my family called to come take to the doctor.

Sometimes, going into banks and McDonalds? and other places where WiFi?s are in place, even when I?m not aware that they had WiFi?s I?ve become ?wobbly? and my walking has become impaired and had to hold to walls or get assistance to quickly and safely exit the building without falling.

Working for numerous years in the public schools in multiple classrooms as a ?floater? I?ve worked regularly with all grades and all classrooms of the schools. I?ve observed first hand the differences in the children?s emotional behavior, their attention spans, and their attendance records as part of the day I also for five years charted all daily attendance for all schools.

I first hand noted that with the introduction of WiFi?s and the EMF exposure that the children struggled more to learn, had more arguments, aggression and fights with other students. It was interesting to observe that the classroom closest to the hub that housed all the computer infrastructure had on a daily basis the highest percentage of absences year after year?so we are talking different students each year in this room, yet still the highest absences.

Observing students first hand for so many years, it?s really easy to connect the Attention Disorders to our exposures here. Clearly, as much federal and state money as we put into our nation wide campaign of ?NO CHILD LEFT BEHIND? it?s like pouring water into a bucket with holes in the bottom if we are exposing our children to these EMF. How can we expect our children to perform their best and reach their personal potentials if we shackle them with the symptoms that the exposure to EMF?s causes.

Look at other nations around the world. They are taking note and protecting their children. Look at Canada and India in the news in 2012 and 2013.

Largest Teacher's Union in Canada Declares Cell Phones, WiFi Radiation Hazards

Supreme Court of India Orders Cell Towers Removed From Schools, Hospitals

Cell towers are being dismantled by the thousands in various parts of India.

In August 2012 a petition was filed in the Israeli Supreme Court asking the court to ban WiFi in public schools

In this country people with electrical sensitivity are protected by the Americans with Disabilities Act and the Fourteenth Amendment. Yet, we have a company like AT&T who are trying to increase the radiation from its cell towers without public hearings and new permits, as in the case between AT&T and the City of Santa Fe.

Yes, we need your help and support to protect our children, our citizens already disabled from electrical sensitivity and the rest of our citizens which would include you and your families from becoming affected and even disabled by the EMF exposure.

Once we were known by the world as the "leader" of the world. We've really slipped off that spot, haven't we? Would you help us to move to being known as "The Nation Who Cares for Her Own" and help protect our brains, our lives. Yes, our country. WE ARE THE PEOPLE—that's what America is about. Help us hold true to being just that. FOR THE PEOPLE.

Please, I implore you to stand with us, stand for us—the people. Preserve our nation by preserving our people.

Thank you sincerely,
D Yourovski

Radiation Sickness; Ellen K. Marks Comments, Sep. 3, 2013

Ellen K. Marks
16 Amanda Lane
Lafayette, CA 94549
925-285--5437

September 2, 2013

To: FCC

Re: FCC Docket #03-137

My husband suffered a seizure and diagnosis of a glioma in 2008. 10 days later Senator Kennedy had a seizure and the same diagnosis. Our son had interned for Senator Kennedy and soon heard concerns from those in his office that the Senator's family felt his tumor was attributable to his long term cell phone use. Since that time many scientific experts, including neurosurgeons, have also stated that Kennedy's death was more likely than not due to his cell phone use.

Shortly after my husband's devastating craniotomy our son brought this correlation to my attention. My husband was an early adopter of a cell phone (1986). He held the phone to his right ear for over 20 years. He used it often as it was a valuable tool for his real estate development and sales business. Had he been advised that holding the cell phone to his head may cause brain cancer he never would have held it to his head jeopardizing his life. Had our government required pre-market safety testing and standards that are not manipulated by industry this could have been avoided. You have the opportunity and obligation to do the correct thing now for every man, woman and child in America.

Upon hearing this correlation I immediately began researching cell phones and brain tumors. There were excellent studies by credible scientists worldwide showing an increased risk of glioma after 10 years of use on the side of the head to which one held the phone. I sent my husband's medical records and cell phone records to many leading experts around the world who concluded that his brain tumor was more likely than not a result of his cell phone use to his head. He had no other contributing factors.

Since speaking out on this publicly before Congress and on many national television programs I have been contacted by many others who also held cell phones to their heads for many years and have a brain tumor, acoustic neuroma, or salivary gland tumor. Many are much younger than my husband (56 upon diagnosis) and sadly many are now deceased leaving behind small children and/or grieving parents. They are as young as 18. Had they been advised that holding the cell phone to their head might cause a brain tumor they too would not have jeopardized their lives. I repeat, had our government required pre-market safety testing and standards that are not manipulated by industry, this could have been avoided.

As you are aware, in 2011 the World Health Organization/ International Agency for Research on Cancer (IARC) classified radiofrequency electromagnetic fields as possible carcinogenic to humans (Group 2B), based on an increased risk for glioma, a malignant type of brain cancer, associated with wireless phone use. Yes, this has been disputed by some industry funded groups but the recently printed IARC Monograph confirms this classification. Non-industry experts assert that radiofrequency electromagnetic fields should have been classified a probable carcinogen.

This industry thrives on the facts that this possible carcinogen is invisible, loved by so many, and the latency period between exposure and tumor is lengthy. This is a powerful trillion dollar industry manipulating our government. This industry has an enormous impact on the global economy. This industry was not able to obtain liability insurance as they were rejected by the insurers. There are many lawsuits already underway in the United States concerning cell phones and brain tumors. The brain tumor rates in the frontal and temporal areas of the brain are increasing (areas closest to the cell phone when held at the ear). This cat cannot be kept in the bag much longer and what will the public think of the FCC when this greatly manipulated issue finally surfaces? It is time you stop this corporate bullying and give Americans back their right to life, liberty and the pursuit of happiness.

The industry is hiding safe use information (per the FCC) in tiny print in manuals no one sees, or worse, only on the phone which no one would ever consider looking at even if they knew how to do so. The iPhone does not come with a manual any longer and to read about rf exposure one must hit 1) settings, 2) general, 3) about, 4) legal, and finally 5) rf exposure to read that the phones are tested with a 10mm separation from the body. It goes on to say that one should "carry iPhone at least 10 mm away from your body to ensure exposure levels remain at or below the as-tested levels". It also states that "although this device has been tested to determine SAR in each band of operation, not all bands are available in all areas. Bands are dependent on your service provider's wireless and roaming networks." Who is going to know to go through those 5 steps to see this information which is conveniently hidden? ***Isn't it the job of the FCC to ensure standards take into account ALL bands when setting the exposure limits?*** The average consumer does not know about bands and they also feel they have no reason to concern themselves as they are misled into thinking that our government had deemed cell phones, as currently used, safe. That is incorrect.

The FCC states in OET Bulletin 65 that the standards must be based on ordinary operating use. Normal operating use is smashed to the ear and kept in the pocket or the bra. Currently your standards do not protect consumers from normal use. Currently industry hides the information that emissions may be exceeded when users use them directly to the head or while kept on while on the body. Considering children as young as 5 have cell phones (and the radiation is absorbed further into their brains and bodies) and 87% of teens sleep with them on under their pillows all night long and keep them in their pockets all day long, this is certainly of utmost importance. The FCC has been given the job to set the standards despite the fact you do not have the scientific expertise to do so (per Mr. Knapp). You are obligated to protect the health of the American people.

I have met many of the other victims of cell phone induced cancers personally. Brain tumors destroy the very soul of a human being and take the entire family down with it. I have stood and watched many buried in front of their small children. The victims begged me on their deathbeds to continue to spread the word and to get our government to take action. This has been a devastating journey for far too many and we are only the tip of the iceberg. It tortures me, as it should you, to think of the damage being done now as brain tumors have a long latency period. The FCC has the power to change this and save lives.

I have learned more than I ever wanted to learn on the subject of cell phone radiation. I testified next to Mr. Knapp of your Office of Engineering and Technology and he made it clear that the FCC had not changed its standards in what was then 12 years because no one had told them to do it. Well, now the Government Accountability Office has told you it is needed. The door to doing the right thing has been opened for you. It is time to cross the threshold of righteousness and stop this corruption. You have a responsibility to the citizens of the United States; not to the industry and their corporate greed. Our economy will not collapse because you set the standards appropriately. More lives will be lost and America's moral fiber will be destroyed if you do otherwise.

I met with the GAO while they were researching this issue. I helped explain the inadequacy of the current testing and standards. I also explained, as did many others, that the current standards only protect us from the thermal effects of cell phone radiation while hundreds or possibly thousands of studies have shown deleterious health effects from this non-thermal radiation. It is highly unfortunate that the Government Accountability Office omitted the critical information concerning non-thermal effects of cell phone radiation from their report as this is paramount to this issue. You can no longer ignore the fact that this radiation is penetrating the blood brain barrier and damaging DNA. With the current "dose and duration" of the average American this MUST be taken into consideration.

This fate can happen to anyone. Please see my attached list of notable persons who have been diagnosed with a primary brain tumor (including acoustic neuroma and salivary gland tumors) since 1995. Excellent science is telling us that there is a significantly increased risk of glioma after 10 years of use, thus the 1995 criteria. I am not saying that their tumors (and deaths of many) are absolutely attributable to their cell phone use. I am saying that is plausible. For every notable person there are hundreds, if not thousands, of average Americans suffering the same fate. If there is any risk at all, and we all know that there is, your standards MUST be changed now to protect public health.

The standards left as is or made less stringent would continue to be a crime against humanity.

Thank you.

Ellen K. Marks

Radiation Sickness; Melody Graves Comments, Sep. 3, 2013

Comments on Notice of Inquiry, ET Docket No. 13-84

Dear members of the FCC,

The current RFR limits have impacted my well-being and caused me to experience health problems.

My symptoms began in late 2009 when I realized that every time I used my cell phone, I would get a bad headache. I realized shortly thereafter that my recurring headaches happened whenever I used a cell phone, wi-fi on my computer, or was near a person using a bluetooth hands-free device. I could not go into coffee houses with free wi-fi, because I started noticing a pattern of headaches and cardiac arrhythmia (heart palpitations) whenever I stayed in such an environment for more than a few minutes.

I stopped using my wireless router at home and hard-wired everything to a Cat-5 Ethernet network because I began to hear a machine-gun fire clicking noise at night when I was about to fall asleep. Later, after I educated myself on the dangers of RFR and purchased a high-frequency RF meter, I realized the clicking noises were the sound of the high-frequency microwave pulses coming from my wireless router, which are inaudible to most people except the RF sensitive. My sleeping improved tremendously, and the feeling of unrelenting fatigue and a lingering dull headache in the mornings was gone.

My health and sleeping improved dramatically until a smart meter was installed on my home without my consent when I was on vacation. Immediately, I noticed persistent migraine-type headaches whenever I worked in the kitchen, the side of the house where the smart meter was installed. During complete power failures, the headaches were non-existent and my body felt relaxed and able to rest. Now I avoid working in the kitchen for long periods unless I wear RF shielding garments, which help somewhat to mitigate my headaches and fatigue.

Now, with the proliferation of smart phones with wi-fi, Bluetooth, and 4G and 5G data streams, I cannot be within three feet of someone with an iPhone, Blackberry, or similar high-powered smart phone without getting headaches, nausea, heart palpitations, and brain fog (impaired higher critical thinking/reasoning skills). I cannot be in the same room as a 2.4GHz cordless phone without experiencing brain fog, intense headaches, nausea, and cardiac arrhythmia.

I forego public places and gatherings as much as possible because of the saturation of personal wireless technology, and I have had to stop attending my church because the church installed a commercial grade wi-fi system for the sanctuary so people could use their iPads and interactive Bibles during the service. The first Sunday I attended after the installation, I had to leave after about ten minutes because my headaches and nausea were so intense. A few subsequent visits with the same symptoms

told me it was the wi-fi. This kind of thing happens frequently, leaving me feeling isolated and unable to participate in the good things in life and society.

I cannot fly on a commercial flight that is wi-fi enabled without significant pain and suffering and a weakened my immune system, resulting in me frequently catching colds and viruses whenever I have to travel by air for long distances.

I have to find hotels with wired internet connections and specific deployment of their wireless, cooperation with the hotel engineer, and the availability of rooms that are far enough away from wi-fi access nodes to allow me to sleep and avoid becoming ill whenever I stay in a hotel. For a period of about two years, I did not stay in a commercial hotel and bought an RV so I could camp in state parks and other places without wi-fi. However, now state parks and most RV campgrounds are equipped with wi-fi transmitters and/or smart electric meters, so the problem has become so widespread that there seems to be no safe place anymore where I can stay.

Furthermore, finding a house in a place without cell tower radiation is next to impossible in urban areas where jobs are available. The ability for an individual to lease out space in his back yard or office parking lot for a cell tower is ridiculous, and it makes it very difficult for people who are sensitive to know if their neighborhood is going to become a radiation war zone overnight.

I work from home helping others with RFR sensitivity and have pretty much given up on ever working in a traditional office environment because of the prevalence of wireless technology in the workplace. Many people I know who are sensitive deal with constant headaches and health problems simply because they don't know that their quality of life could be improved if they eliminated or reduced their RFR exposure. Many do not have the choice of reducing their exposure because of where they live, dependence upon a specific job, etc. One of my clients has a 4 year old son with severe behavioral problems and learning challenges which completely disappeared after reducing his exposure to RFR and electrical fields inside the home. It makes me wonder how many other ADHD children and autism spectrum children could be helped by simple improvements in their RFR environment.

This type of pulsed microwave radiation has been shown to affect delicate cardiac rhythms, and medical doctors advise any patient with a pacemaker to avoid cellular microwave radiation; however, many people with pacemakers don't realize that wi-fi, Bluetooth, and cordless phones emit the same type of radiation.

This type of radiation has been shown to cause DNA damage on the cellular level, which is carcinogenic, and is being used by pregnant women, infants, and children who were never considered in the original safety evaluation. In light of this disturbing disconnect between public awareness of the risks and preventative measures being taken, I think more care and consideration should be taken to evaluate both personal and public exposure limits, for the health and safety of all Americans.

Using thermal effects only to evaluate safety standards and ignoring documented non-thermal biological effects on a cellular level is akin to putting people in a burning house and determining that the environment is safe up until the fire actually starts

burning the occupants' skin. Common knowledge tells us that it is the toxic smoke that kills most people in a house fire, not the flames. I think in a similar way, the FCC should follow the lead of other countries like Canada, France, Israel, and Russia to re-evaluate the chronic, genetic, long-term effects this kind of constant microwave radiation will have on the survival of future generations.

Radiation Sickness; Bernadette Johnston Comments, Sep. 3, 2013

CommentCurrent FCC guidelines for radio frequency radiation allow for extraordinarily high levels of exposure. The FCC is not qualified to set guidelines and should, instead, rely on the recommendations of unbiased medical and science professionals who do not have ties to the telecommunications industry. Findings should be based on science and not on financial reward. Medical and science professionals who work for and/or who stand to profit from the telecommunications industry should be excluded from comments. Further, the testimony of people who suffer from the biological effects of radio frequency radiation and/or the parents and/or guardians of minor children should be taken in account. I began to suffer from debilitating health effects directly attributable to exposure to pulsed non-ionizing radio frequency radiation originating from wireless routers and cell towers in 2010. My symptoms include headaches, heart palpitations, sleep disturbances, difficulty concentrating, and feelings of agitation when exposed to levels as low as 100 micro watts per square meter. In 2011 I became ill when Burbank Water and Power deployed smart meters throughout the city. I had made my home in Burbank for 24 years but found it necessary to move out of the city due to the health effects from which I began to suffer. I have had to move 3 times in 3 years due to intolerable symptoms due to RFR. I currently live in a shielded environment in order to avoid symptoms. Recently the wireless router and DECT phone belonging to a neighbor in the multi-family dwelling in which I live made it necessary to shield the common wall in order to lower the levels of RFR down from 2450 microwatts/square meter to levels that I can tolerate (approximately 5 microwatts per square meter). I do not have equal access to public buildings, businesses, recreational facilities, schools, theaters, airplanes, trains, restaurants, libraries, or entire cities that have city-wide WiFi because I suffer from a constellation of symptoms that make it impossible for me to tolerate many environments. I am not alone in my reaction to pulsed non-ionizing radio frequency radiation. I believe that the current levels that are deemed acceptable by the FCC, IEEE and other similar organizations are extremely hazardous and do not take into account the impressive body of literature that is growing daily. The FCC is charged with the task of setting standards. As such, it must look to true unbiased science, epidemiology, and the testimony of those who are being sickened by RFR _____

Radiation Sickness; Shane Gregory Comments, Sep. 3, 2013

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In 2011 I became ill when Burbank Water and Power deployed smart meters throughout the city. I had made my home in Burbank for 24 years but found it necessary to move out of the city due to the health effects from which I began to suffer.

I have had to move 3 times in 3 years due to intolerable symptoms due to RFR. I currently live in a shielded environment in order to avoid symptoms. Recently the wireless router and DECT phone belonging to a neighbor in the multi-family dwelling in which I live made it necessary to shield the common wall in order to lower the levels of RFR down from 2450 microwatts/square meter to levels that I can tolerate (approximately 5 microwatts per square meter).

I do not have equal access to public buildings, businesses, recreational facilities, schools, theaters, airplanes, trains, restaurants, libraries, or entire cities that have city-wide WiFi because I suffer from a constellation of symptoms that make it impossible for me to tolerate many environments.

I am not alone in my reaction to pulsed non-ionizing radio frequency radiation. I believe that the current levels that are deemed acceptable by the FCC, IEEE and other similar organizations are extremely hazardous and do not take into account the impressive body of literature that is growing daily.

The FCC is charged with the task of setting standards. As such, it must look to true unbiased science, epidemiology, and the testimony of those who are being sickened by RFR exposures, putting aside the concerns of the corporations and other entities that seek to profit from the proliferations of technology that employs RFR.

Radiation Sickness; Layna Berman Comments, Sep. 3, 2013

I am a health educator and syndicated radio journalist covering the health consequences of microwave wireless, non ionizing radiation for the last fourteen years. I have interviewed researchers, and public policy makers on the topic from across the globe, and read research going back to the 1960s. There is no doubt in my mind of harm both to the environment and to humans. I get new calls daily from people who are getting ill after receiving a smart meter or with the installation of a cellular tower near their home.

In addition, I am now getting ill as well, and can no longer travel to highly populated urban environments without feeling poorly. I'm experiencing the same symptoms of insomnia, heart irregularities, low blood pressure, high resting pulse, headaches, stomach distress and body aches as the people who call me regularly.

Radiation Sickness; Linda Giannoni Comments, Sep. 3, 2013

To the Federal Communications Commission:

I encourage the FCC to strictly regulate the wireless industry with much greater care for people's health, and to include consideration of the documented non-thermal effects of RF radiation which have been largely ignored.

The high levels of radio frequency radiation people are now being exposed to has already caused serious illness and disability to thousands of people. This has been well documented globally. We are no longer in the "precautionary principle" phase. Harm is being done. I am very concerned about everyone's health, but especially that of children, as they are the most vulnerable to RF radiation.. As the rate of chronic illness and cancer rises among babies and children, it should be unthinkable to expose them to more and more damaging RF radiation at home, at school and everywhere they go.

We have lost our freedom of choice. The extreme exposure to radiofrequencies has become unavoidable. I do not choose to use any wireless technology, and I pay a monthly fee to opt out of having a smart meter on my house, yet I am subject to constant radiation from cell phone towers and surrounding smart meter and other wireless technology. Children have even less freedom, as they are dependent on their parents and guardians to reject wireless technology at home and to advocate for better regulation.

Several years ago good friend of mine became seriously ill because of RF exposure, and she has not recovered. The only hope of recovery is to be able to avoid further exposures, but this is now impossible as cell phone towers are going up in previously remote areas and wi fi is everywhere. I learn of more and more people in my friend's predicament. It is not acceptable to sacrifice people's health, to devastate their lives, under the pressure of a profit-driven industry.

I include below excerpts from just one of the international reports available about harmful effect of RF radiation, including non-thermal effects which are most important to consider and yet have been ignored by the wi fi industry and regulating agencies. The excerpts include information about effects on wildlife, including bees, which humans need and depend on.

The following are excerpts from an article published in Biology and Medicine, Volume 4, Issue 4, Pages 202–216, (eISSN: 09748369) entitled, "Impacts of radio-frequency electromagnetic field (RF-EMF) from cell phone towers and wireless devices on biosystem and ecosystem: a review," by S. Sivani and D. Sudarsanam, Department of Advanced Zoology and Biotechnology, Loyola College, Chennai, Tamil Nadu, India, published 6th January 2013. The entire article can be viewed at the websites of biolmedonline or omicsonline. 08, the Austrian Department of Health found a higher risk of cancer among people living within 200 m of a mobile phone base station and that cancer risk rose with increasing exposure, reaching 8.5 times the norm for people most exposed.

In the Bioinitiative Report, a document prepared by 14 international experts in a nine-

month project, in which over 2000 scientific studies were reviewed, Sage (2007) came to a conclusion that there may be no lower limit that may be safe, and there was a need for biologically-based limits, and children are at most risk.

Urban electro-magnetic contamination (electrosmog) 900 and 1800 MHz pulsed waves interfere in the nervous system of living beings (Hyland, 2000). Growing amounts of published research show adverse effects on both humans and wildlife far below a thermal threshold, usually referred to as “non-thermal effects”, especially under conditions of long-term, low-level exposure (Levitt and Lai, 2010).

According to the Seletun Scientific Statement (2011), low-intensity (non-thermal) bioeffects and adverse health effects are demonstrated at levels significantly below existing exposure standards. ICNIRP/WHO and IEEE/FCC public safety limits are inadequate and obsolete with respect to prolonged, low-intensity exposures (New International EMF Alliance, 2011). New, biologically-based public exposure standards are urgently needed to protect public health world-wide. EMR exposures should be reduced now rather than waiting for proof of harm before acting (Fragopoulou et al., 2010).

According to Levitt (2010), trees, algae, and other vegetation may also be affected by RF-EMF. Some studies have found both growth stimulation and dieback. The browning of tree tops is often observed near cell towers....

In an observational study, it was found that the output of most fruit-bearing trees reduced drastically from 100% to 5% after 2.5 years of cell tower installation in a farm facing four cell towers in Gurgaon–Delhi Toll Naka (Kumar and Kumar, 2009).

Colony collapse disorder (CCD) was observed in beehives exposed to 900 MHz for 10 minutes, with sudden disappearance of a hive’s inhabitants, leaving only queen, eggs, and a few immature workers behind. (Sharma and Kumar, 2010).

EMFs from telecommunication infrastructure interfere with bees’ biological clocks....

In a two-month study in Spain in common frog tadpoles on the effects of mobile phone mast located at a distance of 140 m noted low coordination of movements, an asynchronous growth, resulting in...a high mortality (90%) in exposed group. For the unexposed group in Faraday cage, the coordination of movements was normal, the development was synchronous, and a mortality of 4.2% was obtained (Balmori, 2009).

A study by the Centre for Environment and Vocational Studies of Punjab University noted that embryos of 50 eggs of house sparrows were damaged after being exposed to mobile tower radiation for 5–30 minutes (MOEF, 2010). Observed changes included reproductive and coordination problems and aggressiveness. Tower-emitted microwave radiation affected bird breeding, nesting, and roosting in Valladolid, Spain (US Fish & Wildlife Service, 2009).

House sparrows, white storks, rock doves, magpies, collared doves exhibited nest and site abandonment, plumage deterioration (lack of shine, beardless rachis, etc.), locomotion problems, and even death among some birds. No symptoms were observed prior to construction of the cell phone towers.

In a survey of two berry farms in similar habitats in Western Massachusetts (Doyon, 2008), one with no cell phone towers, there were abundant signs of wildlife, migrating and resident birds, bats, small and large mammals, and insects including bees and the other farm with a cell phone tower located adjacent to the berry patch, virtually no signs of wildlife, tracks, scat, or feathers were noted. The berries on bushes were uneaten by birds and insects and the berries that fell to the ground were uneaten by animals.

In a study on cows and calves on the effects of exposure from mobile phone base stations, it was noted that 32% of calves developed nuclear cataracts, 3.6% severely. Oxidative stress was increased in the eyes with cataracts, and there was an association between oxidative stress and the distance to the nearest mast.

The most affected of the species are bees, birds, and bats and without these pollinators visiting flowers, 33% of fruits and vegetables would not exist.... (Kevan and Phillips, 2001)."

These are just a few examples among many. Thank you for the opportunity to comment.

Linda Giannoni
Oakland, California 94602

Radiation Sickness; Jennifer Page Comments, Sep. 3, 2013

I have been injured by RF radiation that complies with current exposure limits!

It came to a head beginning of Feb 2013, after living in a place where Wifi was hooked up and a wireless ERT electric meter was pulsating into the house. I was so dizzy I could barely walk across the room without falling, I had severe brain fog, severe heart palpitations and uneven heart rate, headaches, anxiety, a feeling of being "shocked awake" after just a couple hours sleep, my dosage of tapazol had to be increased double after several years of my thyroid being stable. TIA severe migraines came often. Weight loss suddenly became difficult on the same amount of food. I always had to worry about low blood pressure and now I had high blood pressure. Depression increased and so did muscle weakness and fatigue. There would be buzzing feeling in my head. Also I would have problems with my speech patterns and being able to say words in the right order in a sentence. I also noticed my vision deteriorated very rapidly.

All this made doing anything or any kind of functioning impossible. Problems with my memory suddenly became severe. I have skin cancer and it made my lesions grow out of control. Also I have RA and Fibromyalgia and it also aggravated the pain levels many times over.

I did not keep the Wifi router on overnight and one morning I plugged it in and the buzzing and pain in my head were so bad, I had to pull the plug after some minutes and have not plugged it in since-my internet is now hooked up by cables and wireless on computer disabled. Around the same time I demanded the ERT meter be replaced with an analog and it was shortly after. Some of my symptoms improved a lot and some only 20%, as I am still in close proximity to many banks of neighbors ERT meters. I have been noticing speech pattern difficulty and a lot more dizziness in the past 3 weeks and have since found a couple more neighbors just got Wifi.

I also have the same symptoms using wireless phone equipment. I tried Verizon Home Phone Connect and the wireless receiver did the same thing to me as the Wifi, I had to unplug and go to a landline. Use of cell phones for me has to stay to 1 two minute call a month using the speaker w/ the cell phone away from my body, or I get symptoms. I have a cell for emergencies and make sure it is never turned on.

I can not go anywhere any more as wireless is everywhere. I go to a store with wireless and become too dizzy to even manage getting out my credit card for the cashier and almost pass out! I can not go to my local library, restaurants, Dr's offices or hospital, as they all have Wifi and give me these symptoms. I had to stop going to my therapist's office, as after I am there 5 min my speech starts to mess up and I have a headache for the next 12 to 24 hours. When she makes home visits here, which now is all that is possible; my speech is fine, except for the last few weeks I have had intermittent problems due to the new Wifi in my neighborhood.

I am going to have to move, as I can not continue to have my health decline. I will have to find a place that has very distant neighbors so I will not get blasted by any wireless devices they have or be near any cell transmission devices. This is a tall order as I can not work when I can't go anywhere with wireless, and have such compromised health. So I am searching for low income options and working w/ my housing case workers. I am really afraid that if I can't work out a move to a more RF free area that I will soon succumb to a slow painful death from skin cancer and the circulatory problems these technologies

have caused me.

I look back over my life and at the times my health was at it's worse and the biggest decline, I could not figure out happened right after I got a cordless phone in my apartment and used it a lot. This was in 1999 and I had some improvement after I got rid of it in 2005 to about 2008. After that the fibromyalgia took off and so did the RA, at the same time many Wifi networks went up in neighbors houses.

I also worry about the effects these technologies are having on my overall health that I can not feel. I think these technologies are extremely unsafe and should not be used at all as they are. Maybe if an entirely different frequency was used that is more compatible with biology then it could be used at very low levels, but not at the levels that you consider safe now.

These wireless technologies need to be outlawed as they are unsafe for humans and also other animal and plant life.

Radiation Sickness; Jackie Seward Comments, Sep. 3, 2013

My interest and concern with the so called Smart Meters came about as a result of spending two years searching for the cause of a total failure of my health forcing me to go from working full time at a demanding job which I loved to a total collapse in the presence of anything wireless.

In this two year period of time I experienced headaches which became debilitating headaches, increasingly loud ringing and buzzing in my ears which now includes a sore on one ear that breaks out when I am within 10 feet of a Smart Meter, along with concentration and memory difficulties which eventually forced me to give up driving an automobile. I have neuropathy much like a person who had extensive chemotherapy and require prescription pain medication. I also have thyroid problems resulting in total exhaustion, diagnosed as Chronic Fatigue, as well as chronic high blood pressure after a lifetime of very low blood pressure. I have also had emergency surgery for a torn retina that my optometrist had no explanation for other than radiation exposure. I now have a bulge on the other retina which is a precursor to the tearing which required the urgent surgery 3 months after the installation of the Smart Meter January 4, 2011.

Fortunately I found an M.D. who had seen enough of these kinds of symptoms to send me to the Environmental Health Center in Dallas TX where I was diagnosed with severe EMF sensitivities . This exposure over such an extended period of time has created an intolerance of all wireless devices. There is no solution to this other than to avoid anything wireless which includes cell phones, w-fi, and communication towers. Obviously this limits where I live, my ability to drive a car, my ability to even grocery shop, and has created a situation where insurance doesn't cover the expenses of even limited help, which have been considerable as we have also tried to shield the interior of our house to reduce exposure.

The Smart Meter on our house is on the outside of the kitchen wall and radiation inside where I prepare and cook meals measures from .07 to a spike every 60 seconds to as high as 2.00 which is well into the zone known to cause severe health problems. A method called time averaging is used to mask the actual exposure, which, if I may submit is dishonest and allows an unsuspecting public to endure the many other symptoms of radiation known to be caused by these meters such as diabetes, cancer and heart problems. This doesn't even address the increased health problems our children are experiencing since Smart Meters were literally forced upon us.

I beg of you to reconsider radiation safety limits which were set long before we had Smart Meters on every home, 4-5G cell phones plus cordless phones all delivering levels of radiation that amounts to the greatest experiment with human health in history. Not only do we need radio frequency radiation limits but we must develop safer technology and at least provide safe zones for those damaged by this exposure as they are doing in European countries.

Radiation Sickness; Elizabeth Feudale Comments, Sep. 3, 2013

10 years ago I was a very happy, successful and vivacious woman living a life most people would consider the epitome of the American Dream. My husband and I both enjoyed being active and keeping physically fit, and as a result both enjoyed robust good health until, one day, I just stopped being healthy anymore.

Year after year one mysterious illness after another became my constant companion and I struggled to maintain as normal a life as I could for me and my still healthy and loving husband. Finally forced by my mysterious illnesses I had to abandon my career and our beautiful home and was thrust out on a quest to regain my good health and reclaim our former life . After much research we discovered treatments that slowly helped me to regain my former good health and for the first time in years we were sure that my recovery was just around the corner. Then in 2005 I began experiencing some new and even more painful and puzzling symptoms. Every time I used my cell phone my ears would start ringing loudly and after time, if stayed on it for more than a few minutes, my head would feel like it was in a vice and would then start to burn. The same symptoms started happening when I used the computer until eventually every cell phone and every computer in any environment started becoming problematic for me. I tried every way to try to shield myself from the painful radiation exposures, but it soon became clear that the only way to avoid it and the accompanying symptoms was by avoiding all public places (including hospitals) where these devices were being used - efficiently sending me back into total seclusion only this time I couldn't even find safety in my own home as the radiation emitted from cell towers, neighbor's wireless computer systems, and GPS equipped cars passing on the street passed through our home and began sickening me 24 hours a day, 7 days a week, 365 days a year. In the last two years as the networks have ramped up their 2G, 3G then 4G networks I have developed terrible and persistent migraines, atrial fibrillation, circulatory problems, digestive problems, sleep problems and rheumatoid arthritis. The chronic fatigue and fibromyalgia that had previously been cured are back and worse than ever experienced before. I cannot walk, eat, sleep nor think correctly. I cannot clean my home nor care for my husband and I am chronically and clinically depressed. I am only 57 years of age, but feel like a 90 year old woman. And now I'm told that you're going to allow my electric and water companies each to install radiation emitting devices on my house and there's nothing I can do about it.

Is it really neccessary for me to slowly die at 57 years of age in agonizing and unbearable pain just so that people can have faster and faster phones and computers and we can be monitored for our water and electric usage? Does my husband really have to watch me suffer day after day eventually watching his young wife being lowered into the ground so people can speedily read a minute by minute , blow by blow account of every time a celebrity visits a rest room? You are directly responsible for mine and many other's suffering and you can put a stop to it by accepting the non industry generated science about radiation and the human body and putting tougher regulations on the amount of radiation allowable to be transmitted by these devices and cell towers. Today approximately 3+% of the population are suffering as I am, but the number will most definitely grow as you allow higher and higher amounts of radiation to penetrate the bodies of the public. And what of us 3%? Please do no think an apologetic "we had no idea this was doing this to anybody" will suffice

because the science is out there and you are aware of it but are choosing to ignore it. All I know is that I am losing my life and the FCC doesn't seem to care. But I bet you would care if I was your wife, or your daughter or your mother. I bet you'd care if one of your own was going to be killed because of the amount of radiation that you're allowing to be emitted by all of these deadly toys.

Sadly, perhaps tomorrow, it will be.....

I am Elizabeth