

EAGA Business Builder

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Today's guest speaker was Kevin Lorenzen—Aflac



Mr. Lorenzen has been a member of EAGA for over 10 years and in that time he has made a few presentations at our breakfast meetings. During those talks, Kevin told us about his wife, Arlene, and his four children. He also spoke about Aflac's variety of very beneficial supplemental insurance coverage options. Kevin says that, other than a new policy option or two, Aflac is still providing the supplemental insurance options that more and more people would like to have; He is still married to Arlene; and they still have the four children - although the youngsters are not so young any more and are heading out on their own lives (so long as the youngest actually gets in gear and finally finished his ASU career).

So today, instead of speaking about the same topics again, Kevin decided to use his presentation time to make us aware of other quite important and potentially life changing activities that are happening all around us, every day. The major issue of note for today can be bundled into a single category called EMF, or Electric & Magnetic Fields. Kevin is an Electronic Engineer with the education, training and experience to prove it. He worked at Motorola and Intel for about 20 years, and although he has been formally out of that world for quite awhile now, he still has a major informal interest in what is going on. Actually, the interest was of an informal nature until just a few months ago when he was thrown back in in a very dramatic way. Arlene broke her hip and she was not healing as well, or as quickly as was expected. In fact, her general health seemed to be deteriorating. After many unsuccessful attempts to determine the cause, Kevin and Arlene abandoned the 'practicing' physician route and sought out advice from other functional medicine professionals. Finally it was determined that Arlene was suffering from a mold toxicity. Apparently the windows in their new home had not been sealed properly and mold started growing from the moisture that came in. The mold was actually spreading within the walls. Arlene had been unknowingly exposed to it for so long that the toxicity was affecting her overall immune system and causing other health problems. Her zinc was being depleted, so her body was absorbing cadmium (molecularly similar to zinc) into her bones instead. Cadmium actually causes bones to become brittle—obviously a big problem. Having identified mold as being the primary cause of her issues, Arlene and Kevin could now start a plan to remove Arlene from the vicinity of the mold, then to remove the mold from their house. Those actions should be help to substantially reduce, or even hopefully, eliminate her mold toxicity, and put her on a path to reversing some of the related complications. However...we have not yet discussed a final, and more concerning, complication caused by the mold toxicity - and the reason for noting Kevin's new obsession with EMF. With the weakened immune system, Arlene has developed an allergy to electricity. And you thought your pollen allergy was a problem. Sorry - EHS (Electromagnetic Hypersensitivity Syndrome) is not funny. The human body operates via the use of electric currents for transmitting all sorts of signals, brain waves and commands that make everything work properly. A sensitivity to electrical waves from outside the body causes complications to, and disruptions of, the internal electronic operating system. In an effort to minimize the discomfort and complications that are being caused by Arlene's EHS, Kevin began a deep dive into the subject. So far, he has read about 15 books and has done a substantial amount of research in an effort to help his wife. Along the way he found startling information that says those external electric waves have the potential to do substantial harm to all humans, no just those experiencing the sensitivity syndrome. Electromagnetic fields are everywhere. They are being generated by a huge variety of appliances, machines and Internet-Of-Things devices. Everyone is relatively aware of the EMF from refrigerators, microwaves, washing machines, etc., but there are oh so many more items that people don't think about. The IoT is now one of the highest contributors to EMF in our life. Second only to cell phones—which we will talk about in a second. There are door bells, thermostats, utility meters, lights, TVs, laptops, and on and on that each need a wireless signal to operate properly. In 2020 there were an estimated 20 to 50 billion of the so called 'smart' devices in use. All of those waves cause some adverse affects on the human body. In some cases it is possible to minimize those waves in your personal world by going wired whenever possible. Using cables to connect routers to laptops, televisions and printers instead of using the Wi-Fi capabilities. You can use an RF Meter to actually see how many electronic signals are in and around your home and office. Not only are the wired connections more healthy, they are substantially faster for transmitting data. Plugging in cell phones to charge them is also a lot more desirable than using one of the wireless chargers. However...Kevin's research indicates that charging the cell phone is the very least of your cellphone problem when it comes to electronic waves. The first general use cell phones were introduced in 1983. Kevin was there at Motorola at the time, and he saw the new \$3,999 brick that a person could use for talking to another person with a \$3,999 brick, so long as they were each willing to pay \$3 per minute. Those days, probably no one really understood where the technology would go, or how bad a good thing could become. Since 1983 'improvements' in the cell phones have been many and often. So called the 1G technology progressed 2G, then to 3G. When the 3G signals turned into 4G, there was an about 80% boost in power. The next generation, 5G, will come with a boost of about 200% in power. Changes in power are just a different way of saying how the electronic waves being transmitted from those devices are changing. EMF waves are not that good for humans, but the government and the cellphone industry are not making much of an effort to explain (or even specify) the dangers. Recent data from non-cell industry researchers indicates a rather dramatic increase in autism within the past few years. Alarmingly, comparing the graph of changes in autism pretty much mimics a graph that shows the increased use of cell phones during the same time frame. Coincidence? The new 5G cell phones will also be using a different, shorter, wave length spectrum than did the older technologies. The shorter waves cannot efficiently travel as far as 4G; they cannot easily penetrate objects (like buildings) and are bothered by things like trees and weather. The industry's proposed solution to those problems is to deploy a lot of small transmitting/receiving devices that will be strategically placed so that the signals can be relayed and disbursed throughout large areas. That means those devices will be on many buildings and other fixed structures. One plan even proposes to have them on every light and telephone pole, too. Substantially more potentially harmful electric waves will be everywhere. Kevin sent out a link to an article about the 5G issue, and the very real concerns about it. The link has expired now, but the context can be found in the 9 page document at the end of this publication. There was also a related YouTube link that you can find here: [cellphone technology](#). Both of those are with copyright credit to Mercola. If you want to talk to Kevin about the problem with EMF, give him a call at 505-771-9393 (or maybe just go to his office so you avoid the cell phone signals). Contacting Kevin is also a very good method for you to find out about the benefits of having an Aflac policy for yourself or your employees. We certainly wish Arlene (and Kevin) good results as they progress toward her recovery from the mold toxicity and its many related complications. Hopefully the immune system deficiencies and the EHS can, over time, be completely resolved as well.

Leads & Business Information:

- UNLEASHED SPORTS NUTRITION - opening a store at THE CORNERS in Winrock
- QUADRA is changing their name to APIC Solutions at 3820 Commons NE
- K-STYLE KITCHEN opening at 6001 Winter Heaven NW, Ste G
- Lionel Specter—ZEON Signs

If you have information that you would like published in the bulletins, you can submit it in person at the meeting, or via email to bmac@swcp.com. (Please note the email subject as "EAGA")

- ◆ In December, we will hold elections for a couple of Board of Director positions. If you are interesting in running for one of the available seats, or if you would like to nominate another member, please contact Raul Rodriguez (info@thekingsofwrap.com or 505-453-8020) as soon as possible.
- ◆ Our holiday party will be December 11th at Hotel Albuquerque. Sign-up sheets, directions and other pertinent information will be provided at our next couple of breakfast meetings. Make your plans to be there. You won't want to miss this always great event.
- ◆ A very nice additional item will be available for the food selections at our breakfast meeting next week. Please make sure that you are there to enjoy the treat. And arriving early would probably be a good idea as well.

Twás brillíg, and the slíthy toves díd gyre and gímble in the wábe: All mímsy wére the borogoves, and the mome ráths outgrábe.

"Beware the Jabberwock, my son! The jaws that bite, the claws that catch! Beware the Jubjub bird, and shun the frumious Bandersnatch!"

He took his vorpal sword in hand; Long time the manxome foe he sought—So rested he by the Tumtum tree, and stood awhile in thought.

And, as in uffish thought he stood, the Jabberwock, with eyes of flame, came whiffling through the tulgey wood, and burbled as it came!

One, two! One, two! And through and through the vorpal blade went snicker-snack! He left it dead, and with its head, he went galumphing back.

"And hast thou slain the Jabberwock? Come to my arms, my beamish boy! O frabjous day! Callooh! Callay!" He chortled in his joy.

Twás brillíg, and the slíthy toves, Díd gyre and gímble in the wábe: All mímsy wére the borogoves, And the mome ráths outgrábe.

- JABBERWOCKY by LEWIS CARROLL <https://www.poetryfoundation.org/poems/42916/jabberwocky>

Badge Board Greeters

Nov 9 th	Paul Barragan—Yourson Construction
Nov 16 th	Joe Sierra—Century Bank
Nov 23 rd	No meeting—Thanksgiving Holiday
Nov 30 th	
Dec 7 th	
Dec 14 th	

Upcoming Speakers

Nov 9 th	Guest Speaker - Mike May—Future Focused Education
Nov 16 th	Guest Speaker - Danielle Casey—Albuquerque Economic Development
Nov 23 rd	No meeting—Thanksgiving Holiday
Nov 30 th	John Mead—John Thomas Jewelers
Dec 7 th	Chuck Osborne—Steamatic
Dec 14 th	

Contact information for Executive Director: Mario Hernandez

Phone: 505-239-0259 email: eaged@gmail.com

8100 Wyoming Blvd NE; Suite M-4 #35 Albuquerque, NM 87113

Landmark 5G Study Highlights Health Threats

Analysis by Dr. Joseph Mercola

✓ Fact Checked

STORY AT-A-GLANCE

- › Newest data from the New Hampshire legislative commission confirms wireless technology produces significant negative effect on humans, animals, insects and plants
- › In the race for hyperfast internet speed and connectivity, experts are making comparisons between the release of 5G and the lies told by the tobacco and oil industries
- › The structure required to support 5G will place cell antenna ports close to your home and workplace, making it nearly impossible to avoid and raising your risk of excessive oxidative stress that may lead to anxiety, depression and Alzheimer's
- › It is important to get involved in helping to prevent implementation of 5G by contacting your local lawmakers and signing local petitions. Consider taking steps in your home to reduce exposure

This article was previously published December 16, 2020, and has been updated with new information.

Flying under the radar, so to speak, during the media coverage of the COVID-19 pandemic, is the rollout of a hyperfast speed 5G wireless network. As millions of Americans are suddenly working remotely, it has proven to be a powerful opportunity for regulators to move 5G forward. Yet, in the face of expanding wireless connections, a landmark study recommends reducing exposure.

Despite concern by many experts, the implementation is moving forward under the guise of bringing a faster and more efficient internet, at any cost. The term 5G stands for the fifth generation of wireless access, which Jonathon Adelstein, head of the Wireless Infrastructure Association, characterizes as "4G on steroids."¹ The association represents nearly 200 companies in the telecommunications industry.²

However, Adelstein's characterization of 4G on steroids is not quite accurate. While the 4G network uses under 6 gigahertz (GHz) on the radio frequency spectrum, 5G will occupy from 30 GHz to 300 GHz, which are shorter millimeter wavelengths.³ The health effects of consistent exposure to pulses of these wavelengths have not been thoroughly studied, but the initial evidence shows it is likely dangerous.

If faster speed and reliability are truly the end goals, then fiber optic connections are a far better and safer way forward. It's not the faster speeds of 5G that are of concern to scientists but, rather, the distribution of wireless data when in most cases it could be routed more easily and less expensively over fiber optic cables.

Newest Data Confirm Past Evidence

Following the passage of New Hampshire House Bill 522, the New Hampshire legislative Commission to Study the Environmental and Health Effects of Evolving 5G Technology was formed.⁴ The commission was engaged to "study the environmental and health effects of 5G wireless technology in 2019."⁵

The commission was made up of 13 members whose education included epidemiology, occupational health, toxicology, physics, engineering electromagnetics and a representative from the wireless industry. As quoted from EMF Safety Network, the commission was asked to answer eight pointed questions, including:⁶

- Why thousands of peer-reviewed radiofrequency (RF) studies that show a wide range of health effects, including DNA damage, brain and heart tumors, infertility and many other ailments, have been ignored by the Federal Communication Commission (FCC)

- Why the FCC guidelines do not account for health effects of wireless technology
- Why the FCC RF limits are 100 times higher than those in other countries
- Why the FCC is ignoring the World Health Organization classification of wireless as a possible carcinogen
- Why, when the world's leading scientists signed an appeal to protect public health from wireless radiation, nothing has been done

The commission heard from experts and ultimately all except the telecommunication representative acknowledged that RF radiation coming from wireless devices had an effect on humans, animals, insects and plants. The commission wrote:⁷

"There is mounting evidence that DNA damage can occur from radiation outside of the ionizing part of the spectrum. The Commission heard arguments on both sides of this issue with many now saying there are findings showing biological effects in this range. This argument gets amplified as millimeter waves within the microwave range are beginning to be utilized."

Their first recommendation was "an independent review of the current RF standards of the electromagnetic radiation in the 300MHz to 300GHz microwave spectrum" to assess the health risks that were linked to cellular communications.⁸

The remaining recommendations included those that would reduce an individual's exposure to the 5G network and increase the public's knowledge and awareness of their exposure.

Included was a shorter minority report written by the business and industry representative and the telecommunications representative, who were not in agreement with the majority of experts. The EMF Safety Network wrote, "This minority report parrots the language of the telecommunications industry and exposes their agenda to ignore science and continue to confuse the public."⁹

Safety Is Taking a Backseat to Speed

In much the same way the tobacco industry convinced the public that smoking was not dangerous, so is the telecommunications industry selling the public on speed over safety. In the interview above with Greater Earth Media, IT professional Jon Humphrey made the glaringly obvious comparison between the actions of telecommunication, tobacco and leaded gas industries, saying:¹⁰

"So, they know the technology is dangerous and that's why they're just trying to get as much of it out there as they can before they're finally held accountable. Sadly, we've seen this all before.

We saw it with big tobacco, we saw it with leaded gas and in every single case the big corporations did what they always do – they lied and then they paid off politicians and they paid scientists and they silenced people and discredited them and sadly they did get away with a lot of it and that's what we need to make sure doesn't happen with 5G."

The promise is that speeds will be from 10 to 100 times faster than 4G running primarily on millimeter-wave (MMW) bandwidth. According to EMF coach and author Lloyd Burrell, the signals will likely be weaker since the wavelengths do not penetrate buildings and tend to be incorporated into rain and plants. To adjust, the 5G network will use:¹¹

"... smaller cell stations (and the technology of beamforming) that'll scramble/unscramble and redirect packets of data on a no-interference path back to us. This could mean wireless antennas on every lamp post, utility pole, home and business throughout entire neighborhoods, towns and cities."

This requires a new infrastructure mounting 5G cell stations on existing structures, such as utility poles. During U.S. Senate hearings on the topic, when asked about the safety studies on these small cell stations, representatives from the industry stated they were not aware if any such studies existed.¹²

This led Sen. Richard Blumenthal, D-Conn., to say, "So there really is no research ongoing. We're kind of flying blind here." An article published in Scientific American by Joel M. Moskowitz, Ph.D., director for the Center for Family and Community Health in

the School of Public Health at the University of California, Berkeley, identified another challenge:¹³

"5G will not replace 4G; it will accompany 4G for the near future and possibly over the long term. If there are synergistic effects from simultaneous exposures to multiple types of RFR, our overall risk of harm from RFR may increase substantially. Cancer is not the only risk as there is considerable evidence that RFR causes neurological disorders and reproductive harm, likely due to oxidative stress."

How Is 5G Different From 4G?

As explained in this video by IEEE Spectrum, part of a large organization devoted to engineering, there are several differences between 4G and 5G technology. Considering there are already many who struggle with electromagnetic hypersensitivity, saturating cities and suburban areas with additional radio frequencies will only add to this once rare affliction.

One of the significant problems with the technology is that it relies primarily on MMW, which is known to penetrate human tissue up to 2 millimeters, where it is absorbed by the surface of the cornea and is conducted by sweat glands within the skin.¹⁴ Each of these factors leads to an association with a number of potential health problems.

For example, the U.S. Department of Defense (DOD) is using MMW in crowd control weapons called the Active Denial System because it produces a severe burning sensation. The DOD writes, "The Active Denial System generates a focused and very directional millimeter-wave radio frequency beam."¹⁵

MMW is also known to suppress your immune function¹⁶ and increase cellular stress, harmful free radicals, learning deficits¹⁷ and, potentially, bacterial antibiotic resistance.¹⁸ There is nothing to suggest that 5G will produce less harm than the current technology, and there are thousands of studies demonstrating the harmful effects from that.

Research by Martin Pall, Ph.D., details how excessive oxidative stress triggered by microwave exposure from wireless technology can lead to reproductive harm and neurological disorders such as anxiety, depression, autism and Alzheimer's.¹⁹

Without the Choice to Opt-Out, What Can You Do?

Once it's installed in your neighborhood, you won't have a choice to opt out of 5G exposure. "5G will be virtually everywhere, with the options of being able to simply "get away from it" being very limited as millions of small cell devices are rolled out," Humphrey says.²⁰

There's no doubt in my mind that microwave radiation from wireless technologies is a significant health hazard that needs to be addressed if you're concerned about your health. Unfortunately, the rollout of 5G will make remedial action difficult, which is why we all need to get involved and do what we can to prevent it in the first place, such as contacting your local lawmakers and signing local petitions.

Below are several suggestions to help reduce your exposure and mitigate the damage from wireless technology.

Identify major sources of EMF in your home, such as your cellphone, cordless phones, Wi-Fi routers, Bluetooth headsets and other Bluetooth-equipped items, wireless mice, keyboards, smart thermostats, baby monitors, smart meters and the microwave in your kitchen. Ideally, address each source and determine how you can best limit their use.

Barring a life-threatening emergency, children should not use a cellphone or a wireless device of any type. Children are far more vulnerable to cellphone radiation than adults due to having thinner skull bones and developing immune systems and brains.

Research also demonstrates that infants under the age of 1 do not effectively learn language from videos, and do not transfer what they learn from the iPad to the real

world, so it's a mistake to think electronic devices provide valuable educational experiences.²¹

Connect your desktop computer to the internet via a wired Ethernet connection and be sure to put your desktop in airplane mode. Also avoid wireless keyboards, trackballs, mice, game systems, printers and portable house phones. Opt for the wired versions.

If you must use Wi-Fi, shut it off when not in use, especially at night when you are sleeping. Ideally, work toward hardwiring your house so you can eliminate Wi-Fi altogether. If you have a notebook without any Ethernet ports, a USB Ethernet adapter will allow you to connect to the internet with a wired connection.

Avoid using wireless chargers for your cellphone, as they too will increase EMFs throughout your home. Wireless charging is also far less energy efficient than using a dongle attached to a power plug, as it draws continuous power (and emits EMF) whether you're using it or not.

Shut off the electricity to your bedroom at night. This typically works to reduce electrical fields from the wires in your wall unless there is an adjoining room next to your bedroom. If that is the case, you will need to use a meter to determine if you also need to turn off power in the adjacent room.

Use a battery-powered alarm clock, ideally one without any light. I use a talking clock for the visually impaired.²²

If you still use a microwave oven, consider replacing it with a steam convection oven, which will heat your food as quickly and far more safely.

Avoid using "smart" appliances and thermostats that depend on wireless signaling. This includes all new "smart" TVs as they emit a Wi-Fi signal and, unlike your computer, you cannot shut the Wi-Fi signal off. Consider using a large computer monitor as your TV instead, as they don't emit Wi-Fi.

Refuse a smart meter on your home as long as you can, or add a shield to an existing smart meter, some of which have been shown to reduce radiation as much as 98%.²³

Consider moving your baby's bed into your room instead of using a wireless baby monitor. Alternatively, use a hard-wired monitor.

Replace CFL bulbs with incandescent bulbs. Ideally remove all fluorescent lights from your house. Not only do they emit unhealthy light, but more importantly, they transfer current to your body just being close to the bulbs.

Avoid carrying your cellphone on your body unless in airplane mode and never sleep with it in your bedroom unless it is in airplane mode. Even in airplane mode it can emit signals, which is why I put my phone in a Faraday bag.²⁴

When using your cellphone, use the speaker phone and hold the phone at least 3 feet away from you. Seek to radically decrease your time on the cellphone. Instead, use VoIP software phones that you can use while connected to the internet via a wired connection.

Avoid using your cellphone and other electronic devices at least an hour (preferably several hours) before bed, as the blue light from the screen and EMFs both inhibit melatonin production.^{25,26} If you must use your phone make sure you have the blue light filters activated and have it in dark mode.

The effects of EMFs are reduced by calcium-channel blockers, so make sure you're getting enough magnesium. Most people are deficient in magnesium, which will worsen the impact of EMFs.

Pall has published a paper suggesting that raising your level of Nrf2 may help ameliorate EMF damage.²⁷ One simple way to activate Nrf2 is to consume Nrf2-boosting foods, such as cruciferous vegetables and fermented foods and beverages.²⁸

Exercise, calorie restriction (such as intermittent fasting) and activating the nitric oxide signaling pathway (one way of doing that is the Nitric Oxide Dump exercise) will also raise Nrf2.
