

E-01345A-13-0248



0000160409

Teresa Tenbrink

From: Randy <randyhunt@ccrofsedona.com>
Sent: Wednesday, January 07, 2015 11:58 AM
Subject: Over 2,300 Microwave and Rf radiation studies done before 1971

Here is a list of over 2,300 studies done on the biological effects to humans and animals from exposure to emf, microwave and Rf. Dating back to 1940's thru 1970. The findings are outlined starting at page 10. It has been known for decades that Rf microwave radiation and emf radiation is a danger, obviously. Got WiFi 24/7? (Smart Meters) Cell Towers = Directed Energy Weapons anyone?

http://www.justproveit.net/sites/default/files/prove-it/files/military_radiowave.pdf

ORIGINAL

Arizona Corporation Commission

DOCKETED

FEB 27 2015

DOCKETED BY *[Signature]*

AZ CORP COMMISSION
DOCKET CONTROL

2015 FEB 27 P 3 38

RECEIVED

Teresa Tenbrink

From: hectormontano@cox.net
Sent: Thursday, January 29, 2015 1:46 PM
To: BitterSmith-Web
Subject: Smart/Digital Meters
Attachments: FOX 5 Investigates Smart meters spark controversy - DC News FOX 5 DC WTTG.html; Wireless or Not, Smart Meters Harm Your Health michiganstopsmartmeters.html

> Date: Thu, 29 Jan 2015 13:38:20 -0700
> From: <hectormontano@cox.net>
> To: Hector <hectormontano@cox.net>
> Subject: Smart Meters

>
>

> Ms. Smith, my name is Hector Montaña, and I live in Tucson. A while back I saw an employee of Tucson Electric Power going to homes in my neighborhood and installing the new digital electric meters AKA as "smart meters" I believe. For some reason the tech did not come to my house to replace my old electric meter. I even saw him go into my neighbor's back yard and replace the old meter with a new digital meter, when the neighbors were not home. When I asked the man why he wasn't replacing the one in my home, he told me he was going off a list provided to him and that he was just filling in for the regular worker; he said my name/address was not on the list.

> I am sending you two attachments I have found on this issue... are we as customers allowed to opt out of having these new smart/digital meters installed in our house? I have heard from different relatives and friends that these meters are harmful to one's health, and would like to opt out and keep my old meter. Some of the people probably don't know about this issue, since I doubt TEP has even mentioned it to them.

Thank you for your time.

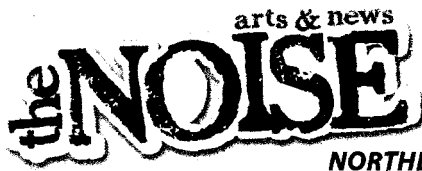
Hector Montano
2142 E. Pinon Dr.
Tucson, Az. 85706
520-889-7837

Teresa Tenbrink

From: Randy <randyhunt@ccrofsedona.com>
Sent: Wednesday, February 18, 2015 3:52 PM
Subject: Smart Meters: What Consumers Can Do To Get Them Removed

Good article, if you can read better than the average sheep. Or the ACC. Yes they were sent this too. And most of the local and State politicians. The ones that don't have me blocked anyway.

<http://www.activistpost.com/2015/02/smart-meters-what-consumers-can-do-to.html#more>



NORTHERN ARIZONA'S MONTHLY
a publication of Weavel Inc, an Arizona 501c3 nonprofit organization

FEBRUARY 17, 2015
LETTER TO ARIZONA CORPORATION
COMMISSIONERS STUMP, BURNS,
& BITTER-SMITH

Dear Ms. Bitter Smith,

Last year, we attempted to gain comment from you & your colleagues via email about the Smart Meter debate, to no avail. So please forgive the formality in this certified letter to gain your thoughtful response.

In our January edition, we published a five-page narrative on the Commission's meeting held in early December which ultimately resulted in a \$5 monthly increase (plus an initial "setup charge") for regular APS customers who wish to retain an analog meter, rather than allow APS to install a wireless smart meter— a device considered "not likely to harm" by the ADHS, yet also considered by many domestic & international public entities as an unnecessary addition to the pervasive milieu of electromagnetic frequencies found within a home or business.

In our upcoming edition, we would like to print your answers to the questions below, and aim to continue a public conversation over regulatory issues our readers have voiced interest in.

First, after perusing the enclosed copy, would you care to comment about any of the narrative found on pages 8-11?

In the past year, how many times (and over what duration) have you met — either personally or with the rest of the Commission — with representatives from Arizona Public Service?

During that same period of time, how many times have you met — either personally or as a group — with individuals who have concerns over the safety of wireless smart meters?

During your deliberation December 12 to impose a fee on customers who choose to retain analog meters, did you consider the de-facto rate increase & the estimated \$1.2 million additional annual revenue for APS?

Do you, or anyone in your family, own shares of Pinnacle West? Have you ever had any financial interest, or have you received any financial benefits from Pinnacle West or its affiliates?

I would be glad to ask you these questions in person, if that would be more efficient, and would be happy to accommodate any schedule request from your office.

I thank you in advance for your thoughtful consideration.

Sincerely,

Charles Seiverd, Publisher
charles@thenoise.us

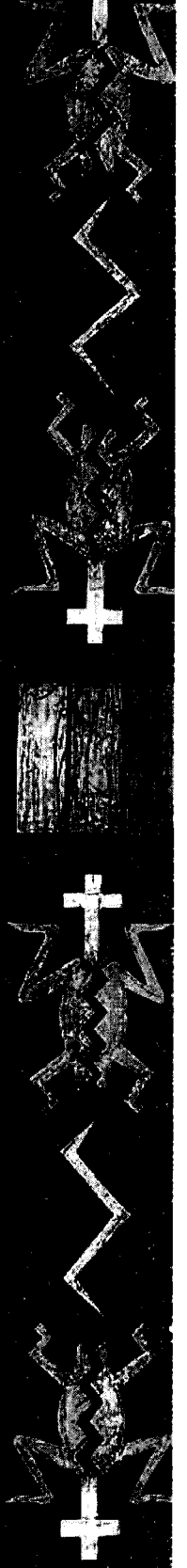


arts & news

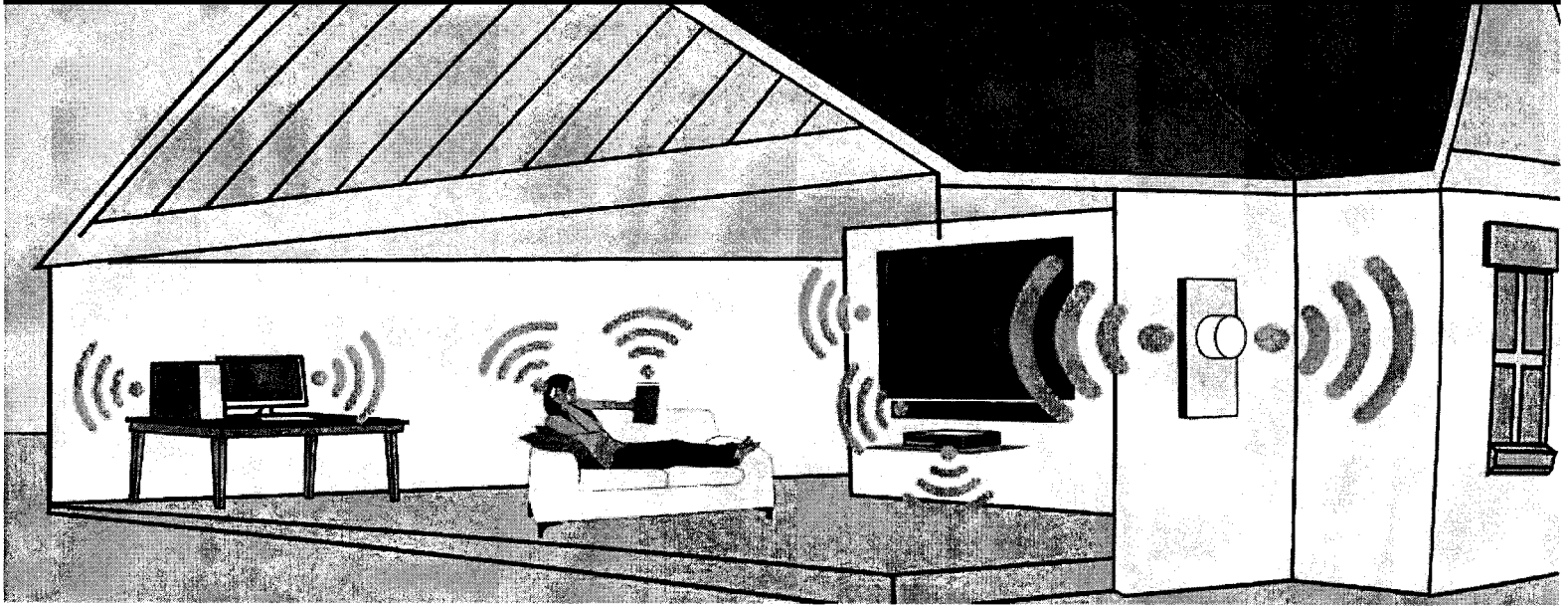
the NOISE

FAST & FURRY

WHEN APS COMES CALLIN'
THE ACC START A-TALKIN'
N SMART METERS BE WALKIN'



ACC HEARS SMART METERS & TURNS A BLIND EYE



On the first day of Christmas, in a hearing room along the Capitol Triangle in sunny downtown Phoenix, the **Arizona Corporation Commission** granted its favorite electric company, **Arizona Public Service**, upwards of \$1.2 million in additional revenue each year, for an indefinite period of time. While stockholders of **Pinnacle West** (APS' parent conglomerate) stuffed their stockings as market value spiked to a 5-year high (\$66.66 a share) within a week of the muted news ignored by prime time television and the state's daily newspapers, over 20,000 ratepayers grumbled at being forced to pay an extra \$5 a month to *not* have a wireless "Smart Meter" installed on their homes & businesses, either for health or privacy reasons.

The Commission itself, the elected regulatory body that oversees rate increases and proposals from the state's utility companies, has had its reputation sullied over the past few years by accusations of fraternity with and financial contributions from APS and its executives, with headlines just this past November election cycle pointing to the "outwardly legal" but "inherently culpable" campaign financing of two new commissioners who are to be sworn in this month. APS for its part, refused to comment on evidence it had paid for television ads for the campaigns of commissioner-elect **Doug Little & Tom Forese**.

At the 8-hour Smart Meter hearing on December 12th, Chairman **Bob Stump** presided, with (continuing-termed) **Bob Burns & Susan Bitter Smith** and (outgoing) **Brenda Burns & Gary Pierce** all present and seemingly attentive to the testimony of over 30 Arizona citizens who gave reasons as to why wireless computerized meters should be a choice for the electric customer, not an edict passed down by a public utility looking to boost profits by eliminating 570 meter readers from its payrolls.

For a majority of those who spoke, comments subsumed direct objection to the recently released **Arizona Department of Health Services** report concluding Smart Meters are "not likely to harm the health of the public." [See related article.] Conjuring contrary scientific study, the actions of other government bodies both domestic & foreign, and personal anecdotes of illness when exposed to the **Electro Magnetic Fields** of multiple wireless devices (specifically the frequencies pulsed by Smart Meters to transmit information about electricity usage), citizens plead to "not be punished" with APS' initial proposal of charging \$30 per month to manually read analog meters, plus an additional \$75 "opt-out" fee.

The hearing began with a briefing from ADHS program manager **Jennifer Botsford** on her department's report, and though she admitted her study did not look at the cumulative effects of multiple EMFs in an individual environment and that field studies detected higher emissions from Smart Meters than existing power line carriers — especially among banks of meters installed at apartment complexes — she maintained those emissions are within federal guidelines for exposure.

To counter, **Elizabeth Kelley of Arizonans for Safer Wireless Infrastructure** called into question the validity of the ADHS report, asserting it "deeply flawed" for not acknowledging published scientific evidence demonstrating biological changes & adverse health effects from wireless radiation at intensity levels below current **Federal Communication Commission** safety thresholds. She further faulted the ADHS report for not taking into account the hundreds of formal complaints filed with the state, that while anecdotal, when taken as an aggregate, constitute regional data not referred to or investigated by the health department. Citing a propensity for negligence, Ms. Kelley disputed the commission's protocol in setting criterion for ADHS' study.

Next to the podium was visiting professor from Columbia University, **Dr. Martin Blank**, who specializes in the effects of **electromagnetic radiation**. His team studied the interaction of low frequency electromagnetic fields at both the cellular and molecular levels, deducing that power frequencies of 60 hertz (60 cycles per second) induce stress response proteins in cells (the protective biological mechanism that kicks in when the body is introduced to harmful en-

vironmental stimuli) by interacting with electrons within DNA. From his research, he concludes: "The ubiquity of EMR reactions with DNA and the low observed thresholds indicate the need for greater caution and control over the spread of EMR in the environment."

"How do you measure whether something is going to cause cancer?" he asked. "The advice has been it is not anything different about the radiation, it's just how much of it, it's the measure of the energy ... If it's high, it's bad for you. Generally speaking, that's not a bad rule of thumb ... The big problem in assessing EMF and their biological effects, especially in connection with exposure to smart meters, is the biological cause is the electromagnetic signal as well."

Dr. Blank was questioned by Ms. Bitter Smith, who wished him to distinguish between RF and EMF. Dr. Blank schooled her, replying that these frequencies are in the same spectrum of energy, just arbitrarily coded by technicians in order to separate different types of broadcast (FM radio runs on one range cycle, while UHF runs on another, and radar runs on another — radio waves, tv waves and microwaves like those found within a microwave oven, or broadcast by a Smart Meter — are all EMFs).

Dr. Blank continued, giving details of his discoveries. "The biological materials that are reacting are acting like antennas. The DNA we have in each of our cells is made up of these two chains — the double helix — that twists around and is connected ...

"Now the way antennas work — do you remember the old antennas that came with the old tv sets? They had a big wire, and a big rod, and then a smaller rod. And the reason they had different size rods is they were matched to the wavelength of the signal being telecast, so you could pick up low wavelengths and higher, longer wavelengths. Similarly, the DNA has different lengths in it ... these are like effective antennas, and basically the DNA can react to all of these kinds of signals ... the DNA is like a fractal antenna."

Dr. Blank then took direct aim at the ADHS findings: "In March of this year, the US Department of Interior, which you would think would not have much to say about this problem, issued a press release, and basically what they said, and I'm quoting now, 'Standards used by the FCC continue to be based on thermal heating, a criterion now thirty years out of date and inapplicable today.'

"In other words, people say it depends on how much energy is being pumped in, and the Department of Interior realizes the data doesn't show that. And this is what we're dealing with — a selective use of data." Mr. Blank's data, correlated with **Dr. Rita Goodman**, also of Columbia, asserts that EMF activates a cell's biological stress signal long before a temperature change in that cell can be registered.

"When our body gets in trouble, we start breathing faster, our heart starts pumping faster — these are unconscious signals our body has developed for self protection. Cells have a similar set, they have what's known as a cellular stress response," explained Dr. Blank, contending that when cells are exposed to EMF, they generate stress proteins indicative of damage. "This is the information not included in assessing a standard for safety. In fact, this information has been missing."

Dr. Blank found the standards issued by the FCC neglected the known biological effects first reported by **Dr. Henry Lai** of the University of Washington, whose research was systematically shut down by Motorola when he discovered damage in the brain cells of rats exposed to levels of radiation found in mobile phones and deemed safe by FCC standards. Warnings found in the fine print of contracts stating the distance mobile phones should be when in use came following Dr. Lai's published findings in 1995. Scientifically, explained Dr. Blank, he "showed that if you expose DNA to electromagnetic signals — radio frequency and extremely low frequency — you get the DNA fragmenting bits of nucleus off, so you really break apart the nucleus, you do definite damage there."

Dr. Blank further attested: "The current RF standard is based on the energy, which is erroneous, and leads to incorrect ideas. That's not my opinion only, it's the Department of the Interior who were worried about the safety of birds. I mean, we should be worried about the safety of humans!"

AS 20,000 APS RATEPAYERS GET 'THE RING'

STORY & PHOTOS BY
OMAR VICTOR
ILLUSTRATION BY
TYLER BIGHORSE



Dr. Martin Blank (top left) of Columbia University testifies about Smart Meters in front of AZ Corporation Commissioners (cw from center) Bob Stump, Susan Bitter Smith, Bob Burns, Brenda Burns, & Gary Pierce.

Dr. Blank was then asked by Mr. Burns about methods in the laboratory, whether amplified frequencies had been used, akin to feeding rats an unreasonable amount of diet pill. Dr. Blank, who had voluntarily sworn in earlier, affirmed the frequencies and the amplification used — that ultimately moved simple electrons and activated stress proteins — were at ranges & levels considered safe by current FCC standards.

Mr. Stump chimed in, querying what Dr. Blank's "policy prescription" would be considering there are already 313 million Smart Meters installed worldwide, especially for those who "feel" they have **Electromagnetic Hypersensitivity** [a term, strangely, acknowledged by the World Health Organization but given no formal census of the population, perhaps due to the fact its symptoms have yet to be codified, or the actual disorder classified].

Giving the short example of the advisory three feet one should stay away from a working microwave oven, Dr. Blank said everyone should identify the sources of radiation and take action to avoid constant exposure. Cell phones should not be left on in a pocket when going for a walk, as the cellular signal is beaming all the time, he advised; instead, turn in off for the duration of the walk, then turn it on. "Same with wi-fi; when you're done with it, shut it off. Don't leave it on all night."

Mr. Stump then pounced, and sharply asked, since Dr. Blank had previously admitted to using wi-fi regularly, "What would you say to those who see Smart Meters as a fact of life much as wi-fi is ... an inevitability ... of modern life?"

"That's easy. Wi-fi seems to work for everybody. Smart Meters seem to work for the companies only. It's exposing people when they hadn't been exposed previously. It's enabled the companies to fire a bunch of meter readers so they can reduce their payrolls. And it's caused problems — there's been a number of cases where Smart Meters have caused fires ... There really is no need for them. They said it would help improve efficiency ... but most people know that if you do a wash at night you'll use cheaper power than when you do it at 10 in the morning ... The companies are not being honest ... It's only good for one side."

Mr. Stump, ever the ideologist and continuing his line of inquiry, needed the doctor to assume a position categorizing his Smart Meter aversion and wi-fi acceptance into either a "need" or a "cost-benefit." But Dr. Blank refused both lures, reflecting: "There's a population we've developed as a result of the exposures we now have that has increasing sensitivities to these types of fields. Just like we lowered the curbs on streets so women pushing prams could negotiate crossings more easily, we have to make accommodation for people."

Then, turning back to his original thesis, Dr. Blank concluded: "I've always felt very strongly that science should be the guiding principle of a lot of our decisions. Obviously it can't be all, but if you keep track of your science and keep it straight, then it's hard to stray very far. But the thing is: if you start making up science, you start saying things that don't hold up, then you really stray too far. That's the worldly equivalent of sin, you really go down the wrong path. And it's clear in this case. When you think in terms of the energy as being the standard for safety, you're really way off. Mother Nature doesn't work that way."

To this, Mr. Pierce responded: "You know, the science and the math part, the math part would be: does this make sense to people's pocketbooks? I mean, there's great science out there, but I go online to buy something sometimes and there's a 'good, better, best' of that product you can buy. And not everybody's going to buy the best. They're going to look at how much they use it, and all the things they need, and they'll want a test to that, because they cost different. That's why there's science and the math to it. And you have to do both, you have to apply both those things. But I really appreciate you being here."

Many in the audience wondered that despite Dr. Blank's nearly 60 minutes at the podium, if Mr. Pierce's commentary reflected the opinion of the rest of the Commission. Even while Mr. Pierce declared at one point, "utility companies must be held accountable," confessing he had moved his grandson's bed away from a Smart Meter at his own home as a safety precaution,

NEWSNOTE: BAG FREE FLAG?



OPINE BY
CHARLES SEIVERD

PHOTO BY
RENE RIVAS

If you're like most Americans, chances are you make out the store with at least 10 plastic bags a week, from groceries to take-out trips to general merchandising. Ten doesn't seem like a whole lot at first, but when put all together, it's a landfill. Over the course of one year, an average American will use about 520 light fluffy balloons of petroleum. Over the course of a lifetime, the number of plastic bags consumed by one man or woman or child hovers around 36,000.

In a relatively small pocket of the world like Northern Arizona, with about 169,000 residents [not including the 10 million domestic & foreign tourists that visit each year] 87,880,000 plastic bags are thrown out each year. Nationwide, the US accounts for 20% of the world's consumption of plastic bags [over 100 billion per year] and contributes substantially to the country's reliance on OPEC.

The American beauty of a plastic bag, shivering in the wind, dancing on a movie screen, alluding to the wonders of mortality; but for this inexpensive darling, it's 20 years hard time here in the Southwest, and what's worse, they don't all the time end up in a landfill. On the contrary, they float around neighborhood streets & wooded areas as if mischievous ghosts, awaiting the next gust of wind to carry them hither & yon.

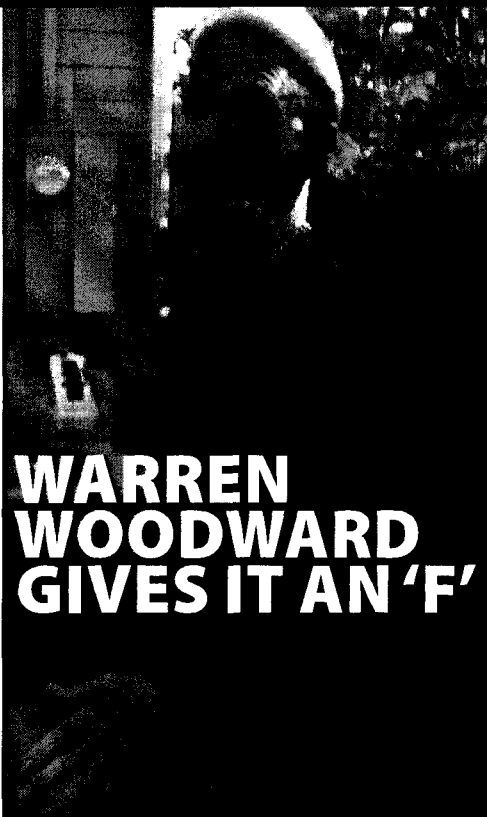
Friends of Flagstaff's future is asking: "Can we have the death of the plastic bag already?" and their members are poised to educate the public, and, along with the City of Flagstaff, pass out reusable bags to everyone who might need one. There's also a proposal at the table for City Council to ban the bags altogether, which has been accomplished in a number of cities to date, with reported success.

The Town Hall meeting is the 13th of January.
Keep your eyes peeled for flying logos ...

ADHS RELEASES SMART METER REPORT

STORY BY
CINDY COLE
PHOTOS BY
OMAR VICTOR

Public Health Evaluation of Radio Frequency Exposure from Electronic Meters



After more than a year of study, the **Arizona Department of Health Services** released its 38-page report on the safety of so-called “smart meters,” the digital two-way wireless communication devices **Arizona Public Services** has been enthusiastically installing around the state. In its report “Public Health Evaluation of Radio Frequency Exposure from Electronic Meters,” **ADHS** concluded that “exposure to electric meters (**AMI** [Advanced Metering Infrastructure] and **AMR** [Automated Meter Reading]) is not likely to harm the health of the public.”

Following the report’s release late on a Friday afternoon on the last day of October, the Arizona Corporation Commission quickly scheduled a hearing less than 60 days later (December 12) to consider **APS**’ request to charge penalty fees to customers who choose to keep a meter (without the wireless “smart” component) at their home or business. [see related article]

ADHS set forth two goals it planned to accomplish in its study of the public health consequences of smart meters:

“1) to determine whether **RF** [radiofrequency] **exposure** from electronic meters on residences, including single family homes & apartment complexes are within the **FCC** [Federal Communications Commission] standards or are at levels to cause public health concern; and

2) to determine whether the current body of peer-reviewed literature has found an association between **RF exposure** from low level **RF exposure** & adverse health effects.”

However, Sedona smart meter activist **Warren Woodward** published a detailed report on the failings of the ADHS study, entitled *A Pattern of Incompetence & Fraud: Exposing Major Mistakes, Misleading Misrepresentations, & Obvious Omissions in the Arizona Department of Health Services’ Smart Meter Health Study*.

Mr. Woodward has been investigating the safety of smart meters since **APS** first announced it would begin installations. He filed as an intervener on the **Arizona Corporation Commission** docket that concerns **APS**’ request to impose fees on rate payers who choose to retain their analog and non-wireless meters. His objections include both the scope of the ADHS investigation and its methodology.

Previous studies from a variety of reputable sources have already questioned the efficacy of current **FCC** standards for **RF exposure**. In the case of smart meters, **FCC** standards apply only to thermal exposure — or high-level frequencies that cause the tissues in the body to heat up. A multitude of studies have shown since the mid-1990s that exposure to non-thermal radiation at low- and mid-level frequencies — such as in the frequency range emitted by smart meters — can also have a damaging effect on biological entities (like humans).

As noted by Mr. Woodward, the ADHS — in referring to current **FCC** standards that essentially dismiss the potential damaging effects of non-thermal radiation exposure — relies solely on evidence supplied by the **Institute of Electrical & Electronics Engineers, Inc.**, an industry promotional organization self-described on its website as “the world’s largest professional association for the advancement of technology.”

“Just because **IE&EE** engineers can measure microwave radiation and tissue temperature with great precision,” writes Mr. Woodward, “why is it assumed they know anything at all about the

physiology to which they have applied those measurements to create their standards? I would prefer radiation exposure limits come from an organization more focused on the advancement of health, instead of the advancement of technology.”

In its report, ADHS dismisses the effects of non-thermal radiation from smart meters as “inconsequential” based on an **IE&EE** statement the concludes they are “insufficient to be considered a health hazard.” So, in actuality, ADHS limited the scope of its report enough to ignore its own goal of considering whether **RF exposure** from smart meters is “at levels to cause public health concern.” By eliminating all evidence of personal experience from Arizonans who have suffered from the effects of **RF exposure** due to smart meter installation, ADHS set the stage for concluding harmful effects are “not likely.”

In addition, when ADHS considered the pulsed radiation broadcasts emitted by smart meters, it used a method called “time-averaging” to determine whether these pulses comply with **FCC** limits for **RF exposure**. “The time-averaging concept can be used to determine the levels of exposure. **This means it is acceptable to exceed the recommended limits for short periods of time as long as the average exposure does not exceed the limit,**” states the report. **APS** has been touting its time averaged exposure calculations for years in an attempt to show that **RF exposure** from smart meters is minimal and within legal guidelines.

But the **FCC** regulates “uncontrolled exposure” to **RF frequencies** differently than occupational exposure, where workers are aware they are being exposed and have the opportunity to take protective measures. In the case of uncontrolled exposure to smart meters, **FCC** regulations do not allow for the use of time averaging, as this assumes that exposure can somehow be controlled.

“It is important to note that for general population/uncontrolled exposures, it is often not possible to control exposures to the extent that averaging times can be applied. In those situations, it is often necessary to assume continuous exposure.” — *FCC Bulletin OET 65*

While exposure to a single meter might be controlled by the “short and infrequent broadcasts” **APS** touts — which are disputed by individuals who have taken their own fieldtests, like Mr. Woodward — installation of meters on a million locations in the state certainly falls under the category of assuming continuous exposure.

In his report, Mr. Woodward surmises the time-averaging strategy: “Actually, what that means is they are averaging power density over time to make that power seem OK. It’s a way to level off peaks in transmission to make those peaks disappear. If I hit you with a hammer, will it feel better if we ‘time-average’ that blow? I can show you on paper how, when averaged out over time, you’ll hardly feel anything.”

Mr. Woodward and others have also criticized the methods and instrumentation used by the **Arizona Radiation Regulatory Agency** to measure the **RF emissions** from smart meters. **ARRA** was commissioned by **ADHS** to conduct field studies for its report. **ARRA** apparently purchased one Tenmars TM-195 microwave reader, which retails at \$135, with which to conduct its field tests. Mr. Woodward maintains this microwave reader is “one of the cheapest on the market,” as when he conducts his own field studies, he employs a Gigahertz Solutions HF-35C, which is a more sensitive instrument, as it measures microwave arcs at greater frequency (cycles per second), while the Tenmar only samples at 1½ times per second.

Additionally, the ADHS report gave no determination as to what time of day **ARRA** field agents were measuring microwaves from a smart meter, as the greatest pulse in the smart meter’s daily cycle has been reported as between 3:00 & 4:00AM, or when **APS** schedules data transmission. Indeed, all **ARRA** recorded was “the average and peak reading over a five minute time interval ... for a total of 15 minutes” in 17 Smart Meters.

The second goal of the ADHS report was “to determine whether the current body of peer-reviewed literature has found an association between **RF exposure** from low level **RF exposure** and adverse health effects.” It relied heavily on reports from the **California Council on Science & Technology** and the **Public Utility Commission of Texas**. Neither are peer-reviewed and both entities are known to be heavily biased in favor of new utility infrastructure.

Mr. Woodward states: “in the ADHS ‘Scientific Publication Review’ portion of their study, wiggle words abound as well as some outright cherry picking of information, misrepresentation, and what looks like deliberate deception. The crafted language sets up a slippery slope, and at the bottom lies our ill health.”

One of the duties of the **ACC** is to protect the public from harm. Its job is to make sure public service corporations “furnish and maintain such service, equipment and facilities as will promote the safety, health, comfort and convenience of its patrons, employees and the public, and as will be in all respects adequate, efficient and reasonable” (**ARSS** 40-361.B).

Arizona statute further requires: “when the commission finds the equipment, appliances, facilities or service of any public service corporation, or the methods of manufacture, distribution, transmission, storage or supply employed by it, are unjust, unreasonable, unsafe, improper, inadequate or insufficient, the commission shall determine what is just, reasonable, safe, proper, adequate or sufficient, and shall enforce its determination by order or regulation” (**ARSS** 40-321.A).

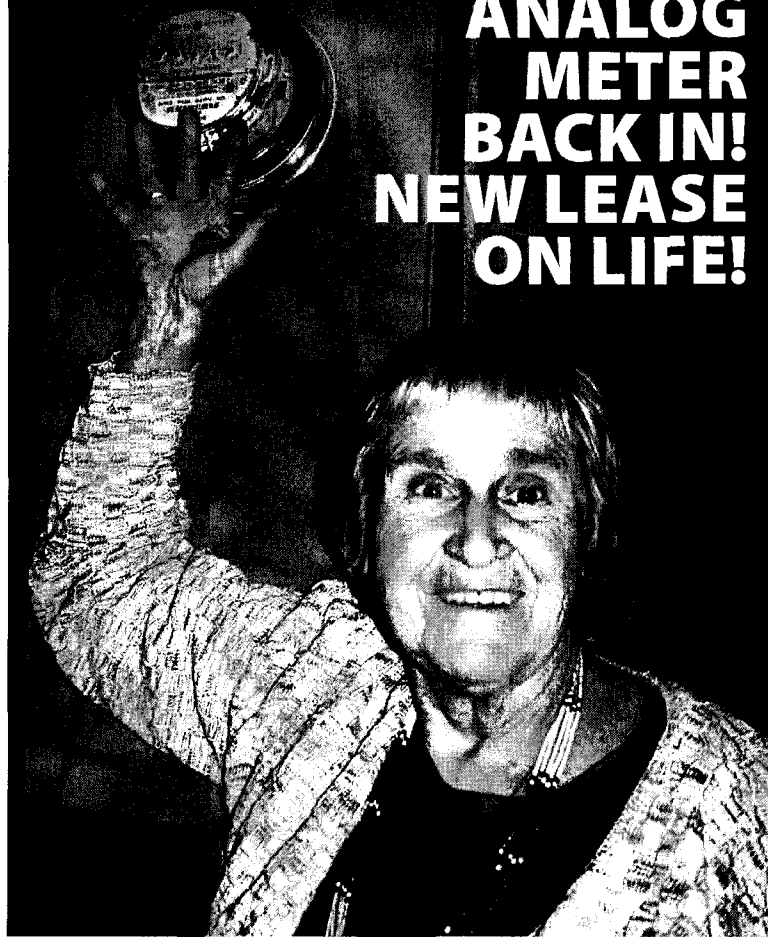
Mr. Woodward believes, in light of the real evidence on the safety of smart meters, **APS**’ request for an “opt-out” fee in excess of the fee currently charged for meter reading (\$1.86 per month) amounts to nothing less than blackmail; paying a fee to protect one’s health, safety and privacy is extortion, plain and simple. 🗑️

Cindy Cole is out-smarting those smart meters.
cindycole@live.com

SYMPHONY VIOLIST MARIANNA HEARTSONG:

PART 2 IN A SERIES
SMART METER PROFILES
STORY & PHOTO BY
CINDY COLE

ANALOG METER BACK IN! NEW LEASE ON LIFE!



Marianna Heartsong is no stranger to personal tragedy. On November 21, 2009, while she played a concert in Cottonwood, her house in Sedona was burning to the ground. By the time she arrived back home, the fire had completely destroyed everything she owned. Her only belonging saved was the viola she had taken with her for the performance.

Ms. Heartsong has lived in the Verde Valley since 1995 and moved to Sedona in 2006. She has a PhD in Clinical Psychology and is a contract member of the **Flagstaff Symphony**. She helped found the **Verde Valley Sinfonietta** and the **Slow Water Team**, an organization focused on improving Sedona's storm drainage methods and protecting water resources. She's on the steering committee for **Greening Harmony**, a neighborhood organization geared toward encouraging gardening and sustainable environmental practices. After her house burned down in 2009, she designed the house she now lives in, using passive solar architecture and creating a permaculture garden on her land.

She is intelligent, personable, kind and active in her community. That is, she was until so-called **smart meters** — and the **Electromagnetic Frequencies (EMFs)** they emit — came to town.

On April 9, 2014, **Arizona Public Service** installed smart meters in Ms. Heartsong's neighborhood. "Within 6 ½ hours of smart meters being put in all around me, my left retina tore and detached," Ms. Heartsong tells me. She had to be rushed to Phoenix for surgery. "I've had 3 operations since April."

She noticed other changes around her property, too. "My bees attacked me the day after the smart meters were put in. They didn't recognize me because it [EMFs] interferes with them. Five days after the meters went in, I got my first weird egg from my chickens. Eight days after the meters went in my beehive had a big die off and I my first broccoli bud was malformed. I had been eating my broccoli and all of a sudden something just wasn't right! That's how quickly it happened."

At first, Ms. Heartsong wasn't sure what was happening to her. "About six weeks after the smart meters came in, I ran away for a couple of weeks because I was going so crazy," she says. "I found that all my symptoms disappeared. Within 24 hours of returning, I was symptomatic again."

"I've had **WiFi** and cordless phones in the past. I can't do that anymore. I'm wired," Ms. Heartsong continues. She pauses for a moment, seeming to lose her train of thought. "Oh, now where was I going with that? You see, the brain disconnects; I can't always track my thoughts which drives me insane! I had a rehearsal until 9PM last night. There's some electrical stuff I have to deal with there, and it takes some time for me to recover."

She said she never experienced issues with memory or thought patterns before smart meters arrived in her neighborhood. "I was completely unaware of having any of these sensitivi-

ties. I have other friends who are sensitive and they could feel it before I did."

When Ms. Heartsong figured out it was the smart meters installed around her home affecting her, she decided to take action. "I called APS. The person I talked to said 'we know there are people like you.' They were aware these things were hurting people." She asked if APS could just remove the meters. The company representative told her that only the person whose name is on the household's electric bill could ask for the smart meters to be removed. Funny, nobody had asked her to put one in.

"I went from neighbor to neighbor, and one by one they caved in. But this has alienated me from my neighbors; one neighbor said to me that if I didn't get well, I better not come after him with a lawsuit. Then for 3 months I wasn't getting any weird eggs," she recalls. "At the end of summer, it started again. There was a smart meter on an empty house nearby but the electricity wasn't turned on. Then somebody moved in and the strange eggs were back. I don't have nearly as many bees as I used to. I'm really concerned they won't make it through the winter."

Ms. Heartsong's life has not been the same since April. "I have no defense against this. My life has changed dramatically. I had been teaching and taking classes at the Osher Lifelong Living Institute at Yavapai College for a number of years. I can't go into the building anymore." Ms. Heartsong's eyes begin to well as she fights back tears. "That wipes out a whole piece of my life. There are a whole bunch of places I can't go."

Ms. Heartsong describes a trip to a local restaurant to have dinner with a friend that turned into take out. "I asked them if they had a smart meter when I had to ask them to pack up our food. I just couldn't stay ... I walked up from the airport vortex along the path to the top of Airport Mesa and as I walked underneath all the cell towers, I got nauseous and dizzy ... There is a class that will be taking place there at the Masonic Lodge that I really want to attend but I don't think I will be able to."

"I can't go Uptown because it's too dense there with this stuff — smart meters, WiFi, cell phones. My friend moved to Uptown and a week later he was dead. He did have some health problems already, so people are quick to dismiss the possibility it had anything to do with smart meters. But in less than five minutes of walking around his apartment I got so sick it took me more than four hours to recover. I know if I had to sleep there, I would also be dead."

"I don't know when I'm going to have a wave that goes through my head and it just erases my brain. It's very scary. In the beginning I joked that it was instant Alzheimer's. And then I realized this is no joke. I have days when I get up and for the life of me I can't focus. That's not right. I don't have anything remotely like Alzheimer's. This is criminal."

"I saw my doctor in April and will see him again in January. He told me 'I'm sorry and good luck' when I was leaving his office, which made me realize he didn't have a clue what was wrong with me or how to help me. He has sent me some research since so I know he is on it now."

For Ms. Heartsong, her illness has been debilitating. "I just applied for food stamps. This has brought me to my knees." Again, her eyes well with tears. "I'm so embarrassed but I have spent everything I can on books, protective shielding material and on supplements to try and figure out how I can function and stay well when I am being bombarded all the time ... It's going to cost everyone if others become disabled."

As she has been learning to cope with the **EMF** effects, she is beginning to get back on her feet. "I'm resurrecting my practice ... My house is relatively clean. I don't have a smart meter. I don't use wireless anything or have a cell phone. But the moment they start charging fees, my neighbors won't be willing to stand up. I use my power extremely well. Anything above my normal bill is ridiculous. I will refuse to pay an opt-out fee. So what they're going to do with me, I don't know."

"I don't want to move. I love this house. I designed it myself. Look — go touch this wall!" She urges me to get up and put my hand on the wall in the living room that is framed at the base by built-in planters with beautiful greenery growing directly from the floor. "Do you feel that?" The wall feels warm to the touch. **Ms. Heartsong** beams with pride and joy at my reaction. "The bathroom does the same thing. It's passive solar!"

"... But with this level of intrusion on one's life, you'd think that somebody would take some action. I know there are others going through this. I don't know if they could legally get rid of smart meters in **Sedona** but opting out doesn't work. I'm opted out and I'm still surrounded. And it's football fields of space that you need to be away from them, and they go through buildings and everything. We know there are dirty politics going on. We know this is tearing neighborhoods apart. But I don't want to be forced to move."

I ask **Ms. Heartsong** what an ideal solution would look like to her. "If we could declare Sedona a **Smart Meter Free Zone**. People aren't going to get rid of their cell phones but if we could at least bring it back to pre-April levels, it would be really good." 📍

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within minutes he praised the device for allowing him a Time of Use Power Savings Plan with APS [a program in actuality the company has offered since the late 1980s before the advent of the wireless meter].

Ms. Burns, her term also expiring the end of this year, even gave a sordid story about her experience trying to "opt out" of getting a Smart Meter installed, as a kind of test to see what would happen, and found that an APS customer service representative gave her the "run-around," much to her chagrin. Luckily, she said, she was able to call APS/Pinnacle West Chief Executive Officer **Donald Brandt** to get it "straightened out," and has since been enjoying the benefits of the wireless meter, which she ultimately decided to install.

The commissioners then seemingly heard 30 Arizonans, either via telephone or standing at the podium, who vehemently admonished the Smart Meter in varying degrees, some of the most succinct highlights being:

"There's has never been a cost/benefit analysis on Smart Meters done in Arizona. Over the last three years, I have presented the commission with numerous cost/benefit analyses that were done in other states, including one that was done in Germany by 'Big 4' accounting firm, Ernst & Young, which showed no benefit to ratepayers ... Nowhere in the world have rates gone down because of Smart Meters." — Warren Woodward

"I used to wake up at 3:30 in the morning shaking for months ... Doctors gave me tranquilizers for my nerves and they couldn't figure it out ... After some research, I realized it was a Smart Meter, that's the time they send all the data ..." — Dennis Cavino

"After looking at the results of the study returned to you, I highly doubt the abilities of that department to perform an accurate study of remote metering devices. The flaws in the method for collection of data are obvious. That is either because the people entrusted with this important study were not qualified or that they intentionally chose not to do a proper study. If I were in the shoes of the Commission, I would reject the report and request a new one." — Bradley Growler

"They're using Smart Meters throughout the schools, which is terrible ... Because they affect your thinking ..." — Sharon, from Payson

"I think most of you have an overriding interest in helping your fellow big corporations' convenience ... but there are health consequences to this ... If someone wants to introduce a device or a substance in Europe, it must be proven to be safe, otherwise it is prohibited. But here in the United States ... Watch out!" — Richard Zuckerman

"... This was a business decision made by APS, and you're justifying it despite people's health & safety ..." — L. Levinson

"Smart Meters are located at the front end of your electricity, so all the wiring in your home is attached to the Smart Meters, and it's acting like a large antenna ... these high magnetic fields are being produced due to net current." — Paul Harding

"We're not going to come out ahead in any respects by installing Smart Meters unless we're the manufacturer of Smart Meters." — Susan Malloy

"The evidence against Smart Meters is pretty overwhelming. The recent ADHS report, which I so hoped would provide final convincing word on the subject, has not done so. There are too many shortcomings and inadequacies." — John Thompson

A utility customer needs to be informed prior to installation of all equipment on their property, not only the meter. Lack of knowledge should never be considered consent. An antenna search report reveals 107 tower structures with two new applications and 857 antennas from this address in a three-mile radius!" — Dena Galacene

"Our country was founded on personal freedoms and the right to be protected from majority rule ... I want the freedom to choose or to refuse a Smart Meter without being financially gouged." — Cynthia Maglowski

At the end of the public comment period, the Commission took a brief break, and resumed with a roundtable of APS representatives and the company's attorney, **Thomas Mumaw**, speaking on behalf. Mr. Mumaw emphasized the decision to install Smart Meters was made as way to modernize power delivery, and sought to allay concerns that citizens' personal information would be sold to outside companies.

Though commissioners, enthusiastically lead by Mses. Bitter Smith & Burns, had questions about the "opportunities" a Smart Meter grid would give ratepayers, not one sought to clarify questions brought up by citizens, either about its radiation & health effects, the non-consensual installation protocol APS utilized this past year while the Smart Meter was under investigation by ADHS, or the budgetary dilemma surrounding the requirement to charge an "opt out" fee.

As of the date of this report, the public docket at the Arizona Corporation Commission (edocket.azcc.gov), entitled "Generic Investigation – Energy Policy Act of 1992," and known internally as the state's "Smart Meter File," is still considered open, at #E-00000C-11-0328. With the meeting December 12, it has completed its 5th open meeting, and a decision is yet to be marked on the Commission's schedule. APS can be contacted at 800-253-9405 or through its website. For a full recording of this hearing, visit thenoise.us/audio/ACCAPSSmartMeter.mp3

| Omar Victor has seen some electric bills, and some electric buds.
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JFK's Letters of Forgetting



First, some deep background on the story: for my 2012 movie *Staged II* I did research on all things conspiracy. The thesis of the film: JFK's assassination and its cover-up was related to 9-11-01 and its massive cover-up — to show the two were essentially the same Petri-dish experiment on the American public's gullibility to swallow farce as reality.

In that research, many things were found that 'fit' into my film and many had to be edited.

When it came time to write an article for *The Noise* I imagined I had a 'found document' of significance. Creating a "what if" scenario, wondering, actually assuming, that somebody had to be the last 'journalist' to interview JFK.

I imagined a found document, hand written, where it was an innocent 8th grade girl, Mary Hart, from a parochial Catholic School like St. Joan of Arc, who interviewed JFK. I imagined she would be an intrepid muckraker, whose innocence inspires the President to tell 'truths' he might ordinarily avoid divulging.

This article, presented in the style of Jorge Luis Borges, with confident pseudo-scholarship and authoritative sounding research, incorporating fact & fiction, seemed perfectly suited for a "historical conspiracy."

My editor presented the story as "Film Notes," in the November 2014 edition, from a director instead of as fiction, and this lent it another layer of authority, but not necessarily authenticity. When the audience read the piece *JFK'S LAST INTERVIEW*, letters came in. My publisher, the one who decided to present the article as historical fiction, decided it might be nice to answer some of these letters.

* * * * *

[– A copy, scanned PDF or otherwise, of the interview below would be priceless. May-be a mortgage on my testicle?

Please if it is possible? – Huey]

Well Huey, don't mortgage your testicles yet, but your interest in the JFK interview means you may not like what the mainstream media feeds you a steady diet of? We are hungry for anything that 'smacks' of truth.

We digest nonsense daily and it's refreshing to sense that something's real... even if it is made up. JFK'S LAST INTERVIEW works because very few people believe the government's narrative. 90% no longer believe in the lone gunman and the "magic bullet."

So, ANY narrative, made up or real, seems more plausible, and IS more plausible. Congratulations my friend, you're awake.

* * * * *

[– Just read your article in *The Noise*. Is this interview for real? As in, it really did occur or is this fiction as written by you or another?? > Thanks, Steve]

Well Steve, what's real in a virtual reality, presented by media 24/7? Nothing's presented as reportage, but with a corporate agenda behind it. We live in a culture of fear that divides and conquers us within the innumerable cultures. We are sub-dividing and the media will play each culture against another.

What is real? I don't know, you tell me. It's not what you think. Citizen's United ruling, by the Supreme Court, gave the media the mandate to lie to public, if it's good for their corporate parent's bottom line. So, we hear lies all day, everyday, as mandated by 'law.'

* * * * *

[– Definitely intriguing. I found the honest truthfulness of the insights and foresight exhilarating, refreshing. I was very hopeful it was for real. But my cynicism and doubt it could be true won out. Thus the inquiry. Well put though by you to speak truth as to what really is going on. Carry on; as it is inspirational to act rather than to stand passively and keep taking in the shorts.]

Well 'shorts,' I think we've grown accustomed to 'taking it in the shorts' and love it. Why else would we bend over and ask for more. Like a good soldier, "thank you sir, may I have another." The abusive contempt for our fellow citizen is at a point where we expect contempt, desire it and are disappointed if we don't get it. The mainstream media satirizes cognitive dissonance to keep us off balance.

* * * * *

[“Am I understanding, “this is made up?” and not real?”]

Well yes, it's made up, Picasso said, "artist lie to tell the truth." This letter also wanted to meet Mary Hart, now 67 years old, retired, living in Dallas, working as a volunteer at a library. We can only 'hope' there's a few Mary Hart's left in our brainwashed crowd. I'd like to meet her too!

* * * * *

JFK'S LAST INTERVIEW is archived at: thenoise.us (11/14, p.11)

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