

**Before the
Federal Communications Commission
Washington, D.C. 20554**

In the Matter of)	
)	
Reassessment of Federal Communications Commission Radiofrequency Exposure Limits and Policies)	ET Docket No. 13-84
)	
Proposed Changes in the Commission's Rules Regarding Human Exposure to Radiofrequency Electromagnetic Fields)	ET Docket No. 03-137
)	
)	

To: Office of the Secretary
Federal Communications Commission
Washington, DC 20554

Comment Filed by: Kate Reese Hurd
P.O. Box 331
High Falls, NY 12440
E-mail: kreehu@gmail.com
845-687-2035

October 31, 2013

1 I wish to submit a further comment. This is firstly to provide a website which has a running list of announcements of research now being completed, i.e. CURRENT RESEARCH RESULTS: <http://www.safeinschool.org/2011/01/danger-of-wi-fi-backed-by-science.html>. I'm sure there are many more websites providing the now virtual flood of evidence of the destructive effects of low level RF radiation.

2 In addition, I note that precautions are advised in the event that a person has an implanted pacemaker (http://www.heart.org/HEARTORG/Conditions/Arrhythmia/PreventionTreatmentofArrhythmia/Devices-that-may-Interfere-with-Pacemakers_UCM_302013_Article.jsp). While rightly so, effort is being made to ensure that newer cell phone and other RF technologies will not interfere with the functioning of pacemakers; however, it appears to me that it is totally ignored that just as the pacemaker is emitting bioactive signals, the natural heart does the same. I KNOW that cordless base station RF wireless emissions disrupt the functioning of my natural heart. This type of relentless exposure has to stop. It wears on the normal operation of so many bodily systems, too. Not just the heart. There are oscillator cells in the brain that are of course disrupted in their functioning. We also have magnetic material in the brain that should not be bombarded with these radiations. I am deeply concerned and appalled by how these technologies have been allowed to flood into our biosphere without due caution and restraint.

3 Furthermore, in the FCC OET Bulletin 56, Fourth Edition, August 1999, Authors Robert F. Cleveland, Jr. and Jerry L. Ulcek, "Questions and Answers about Biological Effects and Potential Hazards of Radiofrequency Electromagnetic Fields," bottom of p. 7 it states that the microwave 'hearing' effects in animals and humans appeared "*under certain very specific conditions of frequency, signal modulation, and intensity.*" Indeed it seems that to date, your Agency has allowed precisely these specific conditions of frequency, signal modulation and intensity to arise and exponentially increase within our homes, workplaces and entire biosphere. Precaution was missing - and considering that the buzzing and pressure symptoms (nerve-wracking to deal with, I know personally) were just the tip of the iceberg that the FCC needed to pay attention to, it is hugely distressing to know that even in 1999, a healthy course forward could have been devised but wasn't.

4 And please advise me, why is it that while the military as piles of documents verifying over and over and over again the range of health effects of RF and pulsing RF radiation, for decades prior to 1999, that your Agency, the FCC, did not respond to this huge body of evidence and act - instead telling the public that the evidence isn't there? This evidence is there and has been there for a long time. This YouTube on RF technology includes considerable coverage of what the military has documented the terrible price paid by those who are exposed to these low level radiations, for decades, known: <http://www.youtube.com/watch?v=v4HsxNG2-4M>. Brian Thiesen presenting "The Truth about Smart Meters" - and not just about meters - recorded by CSTinBC, Aug 15, 2012, 1:08:15.)

5 In the human court of law, "innocent until proven guilty" is right and proper. In the introduction and promotion of technologies which in any way intimate that they are not compatible with human and life systems - as these RF technologies intimated even in what the FCC includes as data in the OET document sent to me - this "innocent until proven guilty" is not only ill-advised but immoral. In essence, the FCC has allowed the public and the biosphere to be the petri dish within which this experimental research is being conducted. That's why I say that it is immoral. Please do now respond to this crisis as you, the Agency, should.

6 The FCC is supposed to be proactive in the public interest, not acting only when a landslide of public opinion serves to push it to act. Please instate the necessary caution - meaning both curtail the further introduction of these RF radiations technologies and facilitate an aggressive retooling and retreat from the prevalence of them in our common lives.

7 I have noted many times in my life the following truth: **The path to both personal and collective destruction is paved with convenience.** That is the bottom line seduction of all wireless devices. We must, in my opinion, grow up and do things the right way, the healthy way, regardless of its being the harder way. That's what it means to be an adult. We must get grounded in the vast majority of our communications, reduce the RF electrification of our biosphere, ASAP. In the process we will also create endless numbers of jobs; good, healthy work for human beings.

8 Below are the images I wanted to include.

Sincerely,

Kate Reese Hurd

IMAGE A

Short YouTube presentation that shows some of the research concerning trauma to living blood cells, which are supposed to stream freely within our circulatory system due to their smooth round shape, from exposure to pulsing RF radiation, YouTube "Live Blood Analysis - Observable Effects of RF/MW Radiation via Smart Meters <http://www.youtube.com/watch?v=y4JDEspdx58> , includes the Rouleaux effect of clumping of the blood cells. → When the blood cells are deformed, not round and/or clumping they will not pass through our blood vessels as they should. Our everyday common sense can grasp that this is the cause of the hospitalizations for stroke-like events that are occurring - I know two individuals already - where all tests while hospitalized show no predisposition and no risk factors for such an event. The common denominator is exposure to digital wireless metering, emitting pulsing RF radiation at least 4-5x/minute 24/7.

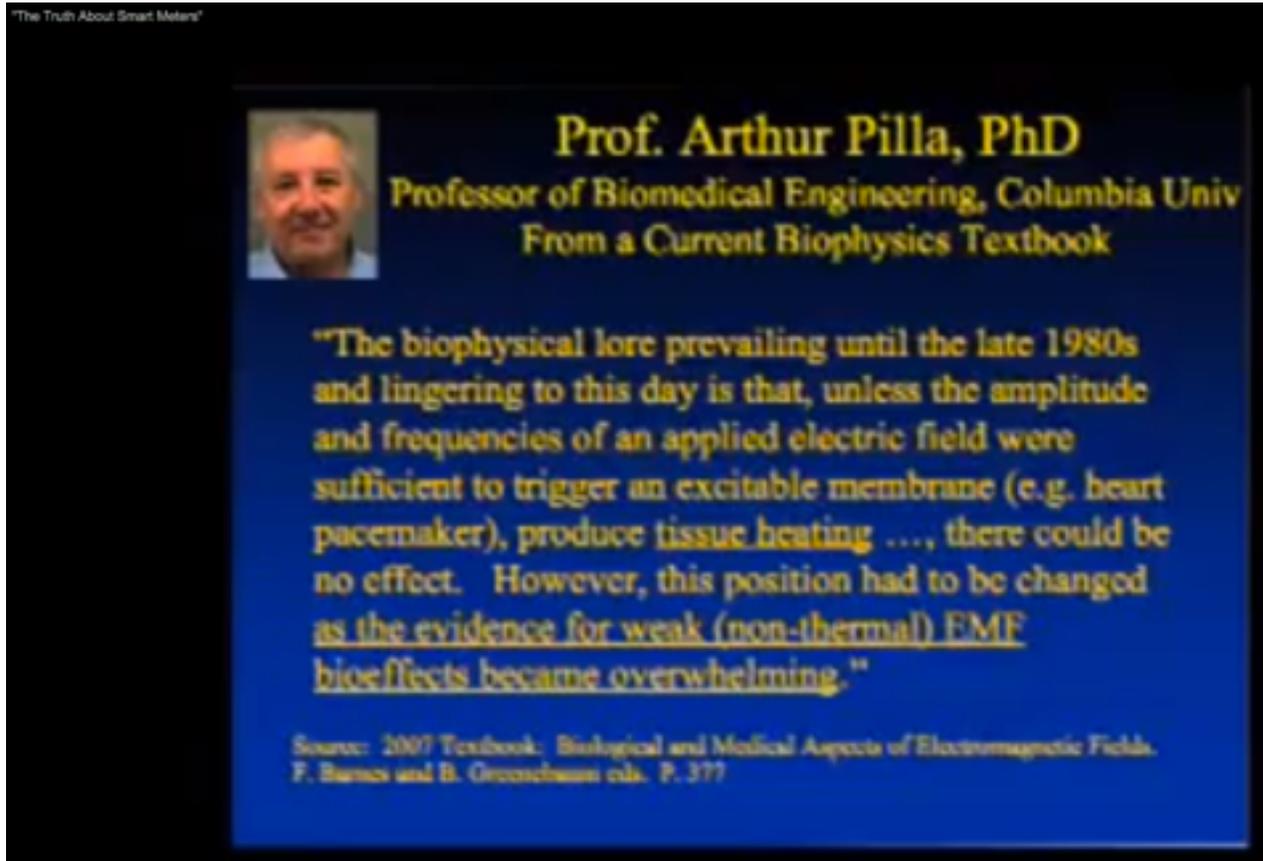


IMAGES B through F are all from within the presentation of Dr. Karl Maret, M.D. and BioMedical Engineer during a Freedom Forum held on September 15, 2012, recorded by CTVsantacruz - <http://www.youtube.com/watch?v=p-nmaYU6kek&list=PL63B0143B3C354D88> “The Truth About Smart Meters” (not only about meters), 1:53:42.

IMAGE B

Dr. Arthur Pilla, PhD, Professor of Biomedical Engineering, Columbia Univ. From a Current :
“*The biophysical lore prevailing until the late 1980s and lingering to this day is that, unless the amplitude and frequencies of an applied electric field were sufficient to trigger an excitable membrane (e.g. heart pacemaker), produce tissue heating..., there could be no effect. However, this position had to be changed as the evidence for weak (non-thermal) EMF bioeffects became overwhelming.”*

→ **The source is the 2007 Textbook: *Biological and Medical Aspects of Electromagnetic Fields.*** Editors: Frank S. Barnes and Ben Greenebaum; CBC Press, Taylor & Francis Group, LLC; ISBN 10: 0-8493-9538-0 or 13: 978-0-8493.



"The Truth About Smart Meters"

Prof. Arthur Pilla, PhD
Professor of Biomedical Engineering, Columbia Univ
From a Current Biophysics Textbook

“The biophysical lore prevailing until the late 1980s and lingering to this day is that, unless the amplitude and frequencies of an applied electric field were sufficient to trigger an excitable membrane (e.g. heart pacemaker), produce tissue heating ..., there could be no effect. However, this position had to be changed as the evidence for weak (non-thermal) EMF bioeffects became overwhelming.”

Source: 2007 Textbook: *Biological and Medical Aspects of Electromagnetic Fields.* F. Barnes and B. Greenebaum eds. P. 377

IMAGE C

This is the image relative to the research on effects on rat brains from typical exposures to RFs. This is just one small portion of the damaging effects we are being allowed to expose ourselves and our children to, along with the bees upon which we depend and all of life. After 50 days, the lesions remain - *evidently irremediable*. We must pay attention and cease our reliance on RFs.

**Low Level Microwave Exposure
Brain Changes at 0.125% Safe Levels**

Normal Rat Brain **Changed Brain after Exposure**

Low Level Exposure of SAR = 2 mW/kg Whole Body for 2 hours only
(In USA, Accepted Safe Levels are 1600 mW/kg)

Rats sacrificed after 50 days without further irradiation

Used 12-26 week old rats comparable to cell phone addicted teenagers

IMAGE D

Others are paying attention and taking action. We must do the same.

Recent News about Microwaves

- **Paris Library System** – 40% staff sickened, removed Wi-Fi
- **National Library of France** – removed Wi-Fi on health grounds, respecting the Precautionary Principle
- **Teachers Union (UK)** – 38,000 Teachers want no Wi-Fi in schools
- **Lakehead University (Canada)** – No Wi-Fi

Jonathan Lakehead University Book Store, Toronto, Ontario

IMAGE E

Other places around the world are removing WiFi. But we in the U.S, all heedless of the warnings and consequences, are installing it. Truly this becomes a national security issue due to the fact that a sick public surely cannot defend itself - and indeed we must defend ourselves from this invisible destruction, immediately.



IMAGE F

