

Updates: Radiation Safety Concerns in Albemarle Schools and at Home

Skepticism is the first step to Truth – D. Diderot

Albemarle County BOS

May 8, 2013 presentation

by

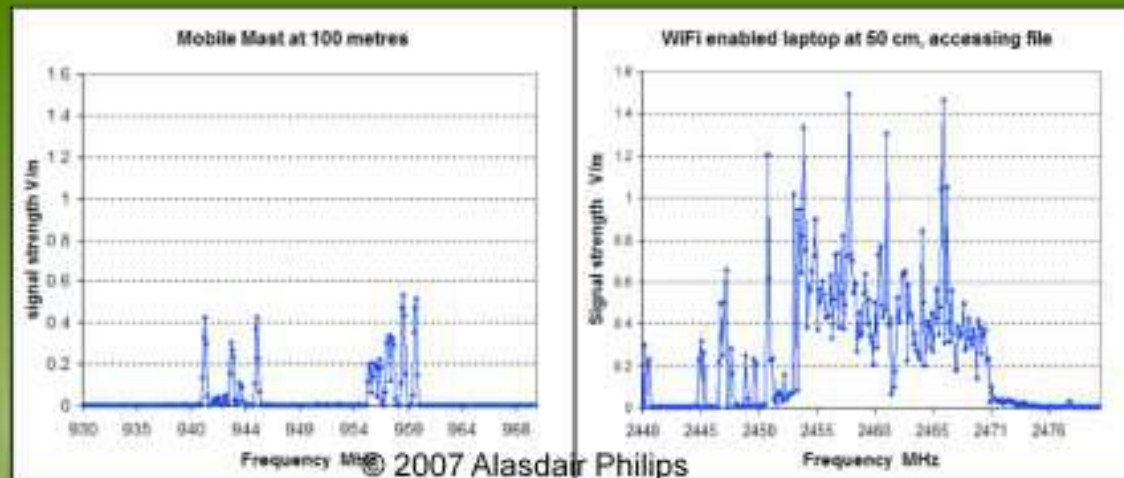
Charles Battig, MD

VA-Scientists and Engineers for Energy and Environment

Health Impacts Of Wi-Fi Radiation Levels In Albemarle K-12 Classrooms

- What is the measured electro-magnetic radiation exposure level in Albemarle classrooms?
- What is the safe chronic exposure level?
- Who has determined that this exposure level is safe for growing children?
- Still no public response from County School Board; not to worry, they have an environmental nurse, a local expert, and possibly Google research
- What happened to the *Precautionary Principle*?

Wi-Fi Laptop More Radiation Exposure Than Cell Tower



Wi-Fi: **100-6,000** $\mu\text{W}/\text{m}^2$

Cell Tower: **400-800** $\mu\text{W}/\text{m}^2$

Wi-Fi Networks vs. Cell Towers

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“World Class” International Concern In 1400 Pages



BioInitiative 2012

A Rationale for Biologically-based Exposure Standards for Low-Intensity Electromagnetic Radiation

BioInitiative Working Group 2012

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BioInitiative Report: A Rationale for Biologically-based Public Exposure Standards for Electromagnetic Radiation at
www.bioinitiative.org, December 31, 2012

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Albemarle School Board Has Determined Safe Radiation Levels...But The Federal Communication Commission (FCC) Is Not So Sure...Initiates New Radiation Safety Study (2013)

Federal Communications Commission

FCC 13-39

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

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

**FIRST REPORT AND ORDER
FURTHER NOTICE OF PROPOSED RULE MAKING
AND
NOTICE OF INQUIRY**

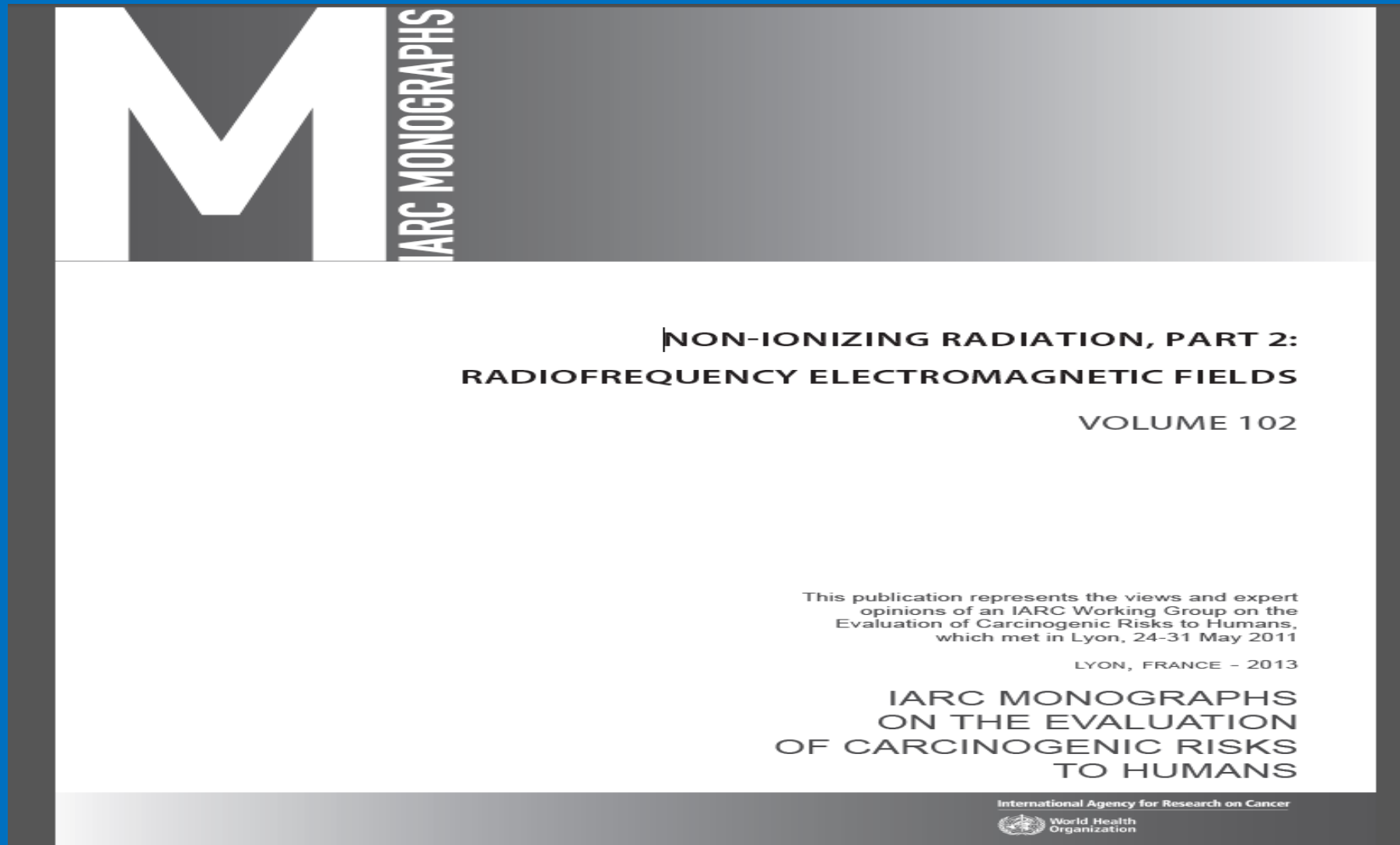
Adopted: March 27, 2013

Released: March 29, 2013

Comment Date: (90 days after date of publication in the Federal Register).
Reply Comment Date: (150 days after date of publication in the Federal Register).

By the Commission:

WHO Agency for Research on Cancer (2013):
Wi-Fi Radiation Class 2B Carcinogen (includes lead and auto exhaust)

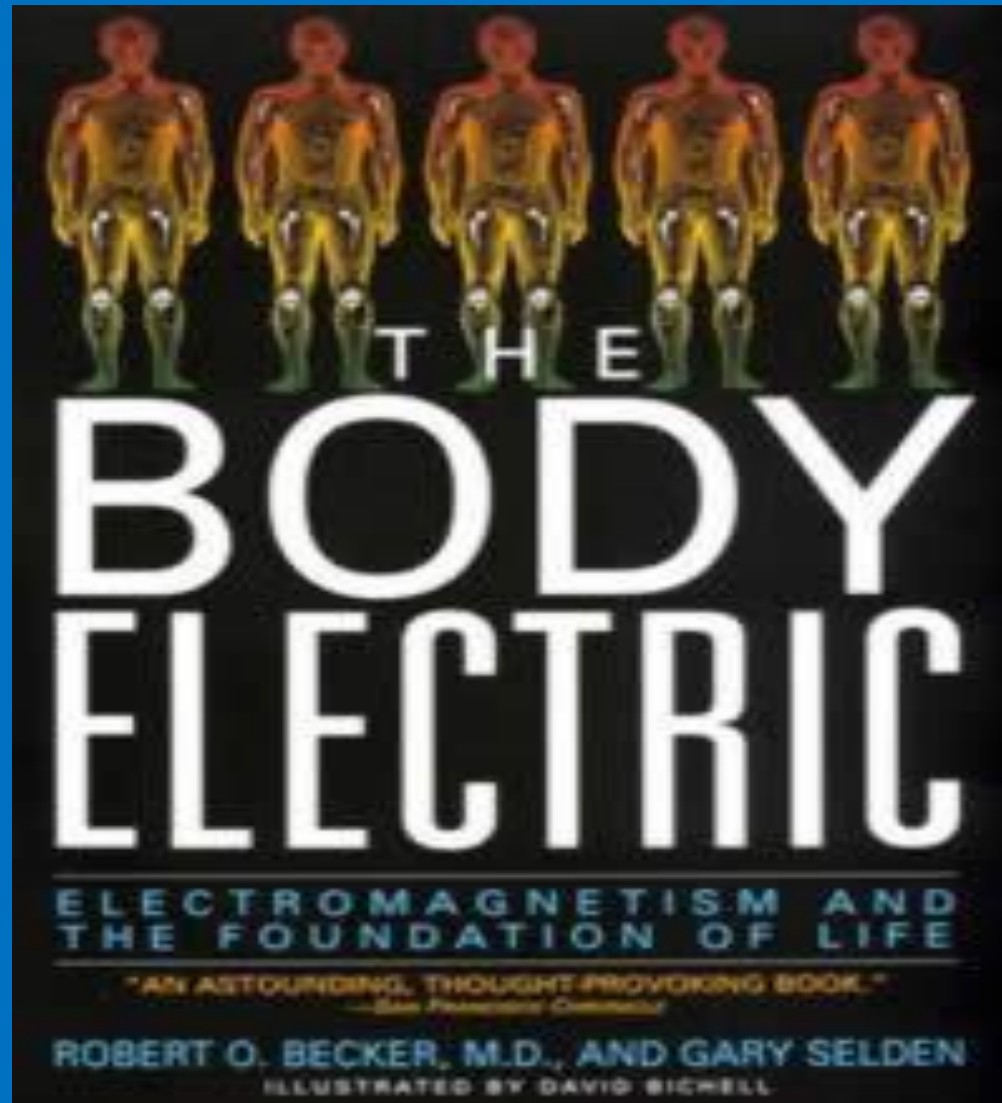


“Wherever we go, we will be immersed in a sea of low-level, pulsed microwave signals”

- (FORTUNE Magazine October 9, 2000) – Ross Adey, MD a distinguished professor of neurology at Loma Linda University School of Medicine, has studied the health effects of electromagnetic fields for more than 30 years.
- “It is not a good thing to proceed toward a world of ubiquitous wireless communication in a totally uncontrolled fashion. The epidemiology suggests that there are health effects that are cumulative over time from exposure to non-ionizing electromagnetic radiation--whether it be 60-hertz power-line fields, today's types of radio and microwave communication, or ultrawide-band technology.”

Orthopedic Surgeon Robert Becker, MD

Bone Healing And More (1985)



Dominion Virginia Power Finally Responds To “Smart Meter” Health and Privacy Concerns...You Do Not Have To Be A Guinea Pig

Interim Non-Communicating Meter Option

Requirements

The following requirements apply to the Interim Non-Communicating Meter (Residential Opt-Out) Option. The Non-Communicating meters are Advanced Metering Infrastructure (“AMI”) or Smart Meters with both the two-way communications and data storage features disabled; the only recording features retained are the minimum needed for monthly billing. Because the Non-Communicating Meters’ remote communication abilities have been disabled, a Dominion Virginia Power (“Company”) representative will manually read the meter.

To participate in this Option, please review these requirements and then sign and return the enclosed enrollment form.

Eligibility Requirements Guidelines and Restrictions

- These Option specific requirements are in addition to the Company’s *Terms and Conditions for the Provision of Electric Service* (“Terms and Conditions”) currently on file with the State Corporation Commission of Virginia (“Commission”), under which customers receive their Electric Service.
- An Interim Non-Communicating Meter Option Participant (the “Participant”) must be a residential customer and can only request the Interim Non-Communicating Meter Option for accounts which they have authority to make account level changes. The Participant must submit an individual enrollment form for each account which enrollment is requested.
- The Participant must already have an AMI meter, or be scheduled for a meter upgrade prior to May 1, 2014.
- Participant must currently receive Electric Service from the Company in accordance with residential Rate Schedule 1. Non-Communicating Meters are not applicable for customers receiving Electric Service on dynamic-pricing (e.g., Rate Schedule DP-R) or any residential time-of-use rate schedule (e.g., Rate Schedule 1P, 1S, or 1T). In addition Non-Communicating Meters are not applicable to situations in which the customer sells generation back to the Company (e.g., Rate Schedule SP – Solar Purchase (Experimental)).
- The Participant is responsible for providing and maintaining access to the Company for purposes of meter installation, maintenance, and reading, in accordance with Section XV of the Company’s Terms and Conditions. The Company has the right of access to the Participant’s premises at all reasonable times and must have safe access to the meter.

Your Private Electricity Usage Is A Valuable Commercial Commodity

“As utilities deploy advanced metering infrastructure (AMI) across their distribution grids, the amount of utility and customer-related data explodes – from monthly hand-held meter reads to interval consumption received on a 15-minute or less basis. ***The challenge for the electric utility is to convert this massive amount of data into actionable information for multiple purposes across the enterprise.***” Siemens Smart Grid

Dominion Virginia Power Contact
Information For “Smart Meter”
Opt-Out Forms

1-866-566-6436 between 7:00 a.m. and 7:00 p.m.