



# Expert Forum: Cellphone radiation risks to pregnancy and sperm

National Press Club

Devra Lee Davis, PhD, MPH

November 12, 2012

# Environmental Health Trust\*

non-profit research and policy  
organization promoting environmental wellness

- Educating communities & health professionals
  - Conducting basic and applied research
  - Developing local & national policies
- to reduce avoidable environmental health risks.

current priority: **Cell Phones**

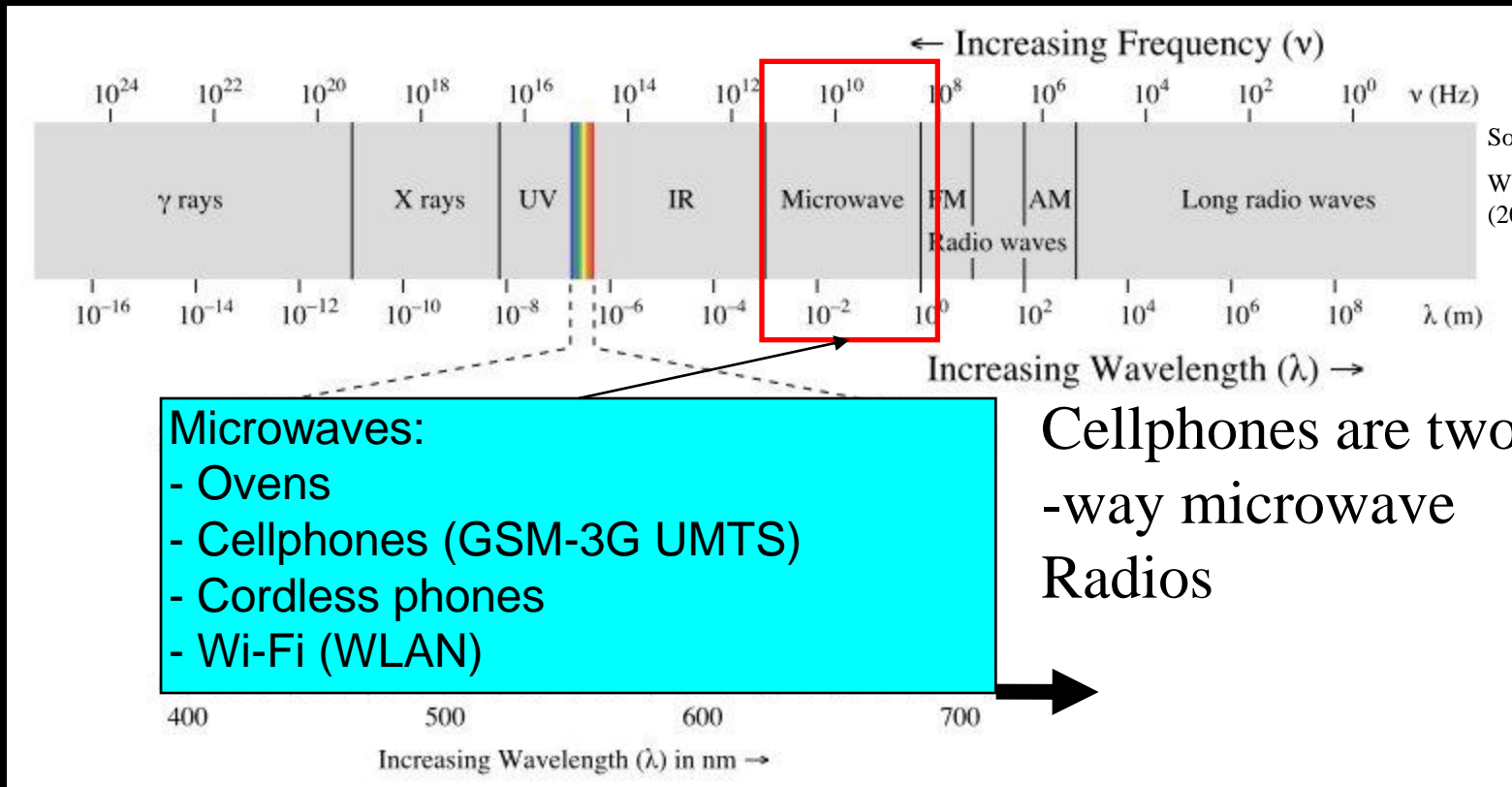
\* Devra Lee Davis Charitable Foundation DBA Environmental Health Trust  
IRS EIN 501c3 207498107

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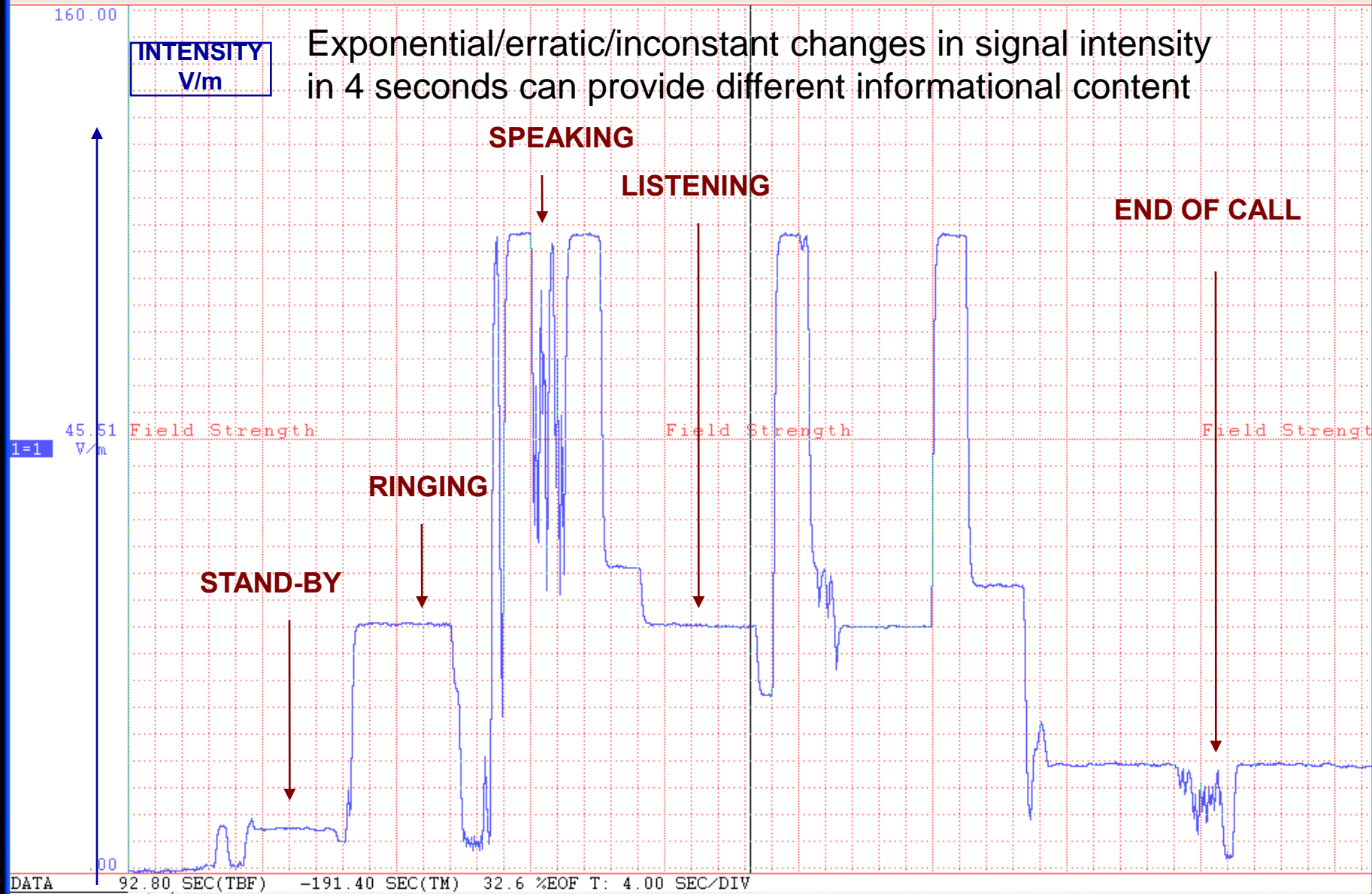
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- Ronald B. Herberman MD, Chairman of EHT and President American Association of Cancer Institutes
- Igor Belyaev, National Cancer Institute of Slovakia/Institute of General Physics, Russian Academy of Science, Moscow, Russia
- Suleyman Kaplan, Ondokuz Mayıs Medical Univ.
- Nesrin Seyhan, Gazi University, Istanbul
- Hugh Taylor MD, Yale University

TELECOMMUNICATIONS  
Exposure and Testing Requirements  
for Mobile Phones Should Be  
Reassessed  
Report to Congressional Requesters  
July 2012  
GAO-12-771  
United States Government  
Accountability Office  
GAO



Exponential/erratic/inconstant changes in signal intensity in 4 seconds can provide different informational content



# Controlled Experiments with Human Sperm

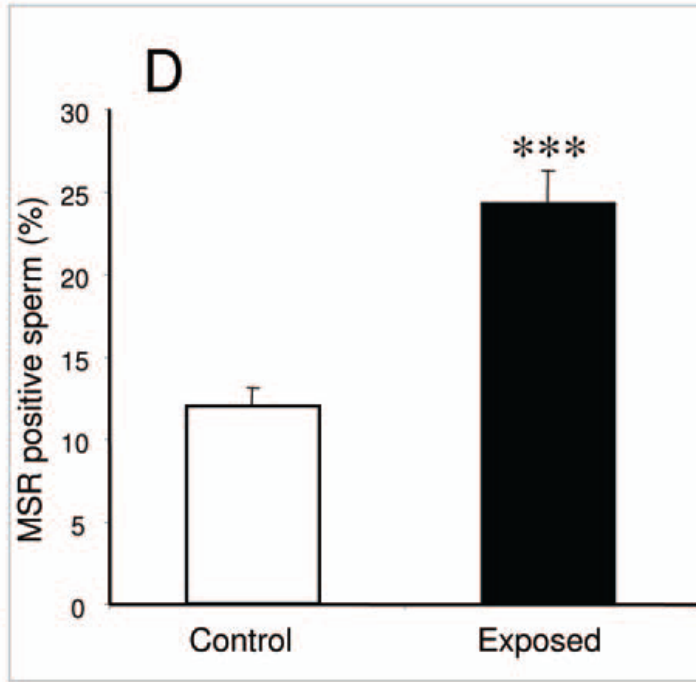
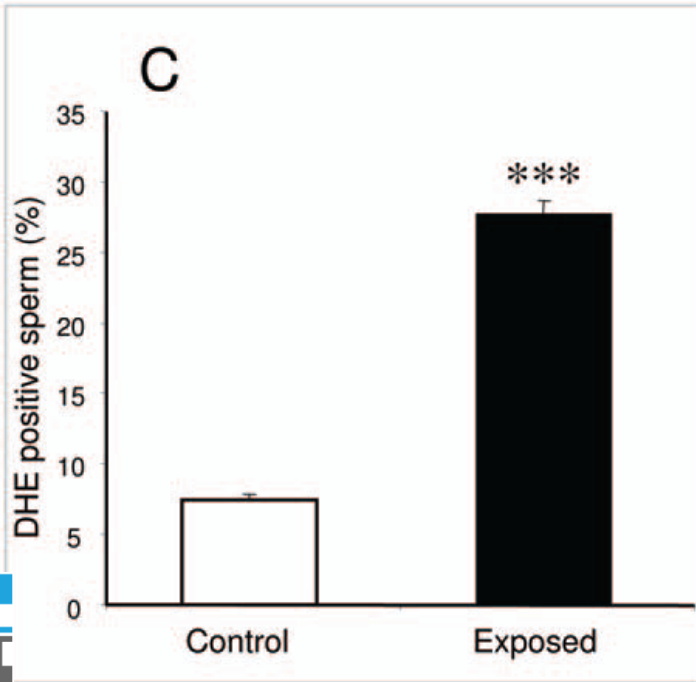
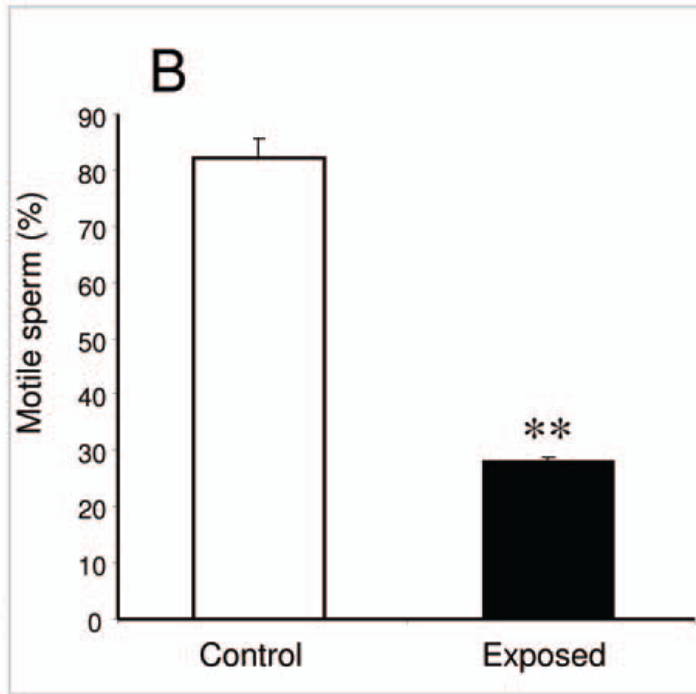
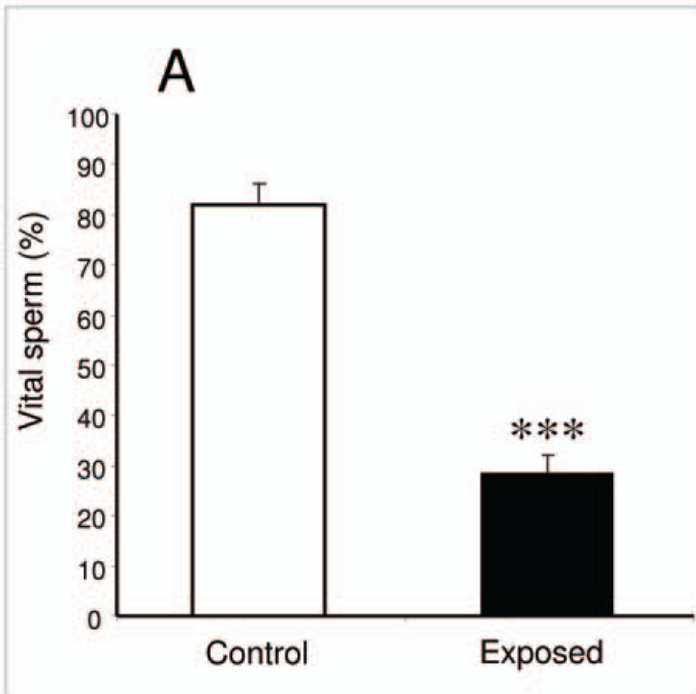
**Cell Phone Exposed**

**Not Exposed**

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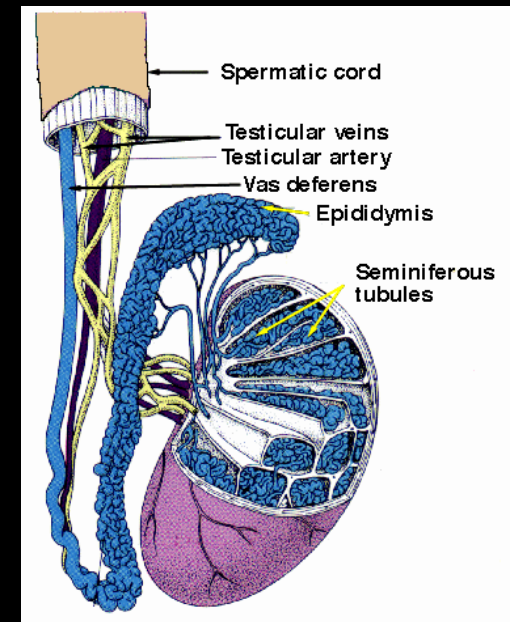
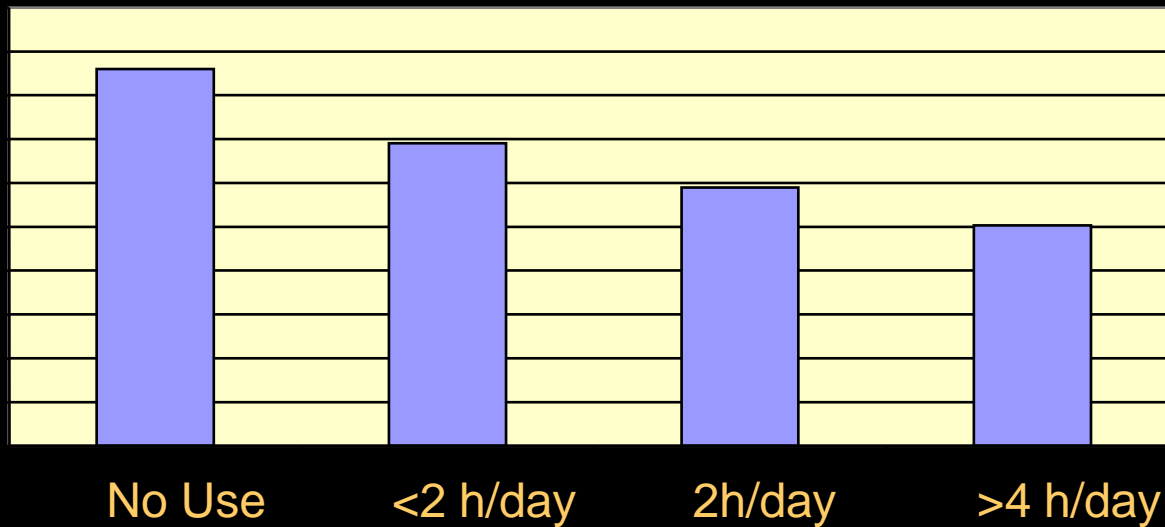
Laureate  
Professor  
John Aitken

Exposed  
Sperm were  
Significantly  
Reduced  
& damaged





# Heavier Cell Phone Users Have Reduced Sperm Count



*Agarawal, Cleveland Clinic, 2008; and seven other studies*

# The Big Question

Is microwave radiation from  
mobile devices dangerous?



With  
a New  
Afterword

The Truth About  
Cell phone Radiation,  
What the Industry  
Is Doing to Hide It,  
and How to Protect  
Your Family

# Disconnect

Devra Davis

Foreword by DAVID SERVAN-SCHREIBER,  
author of *Anticancer*

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# Unsafe Toys Promoted

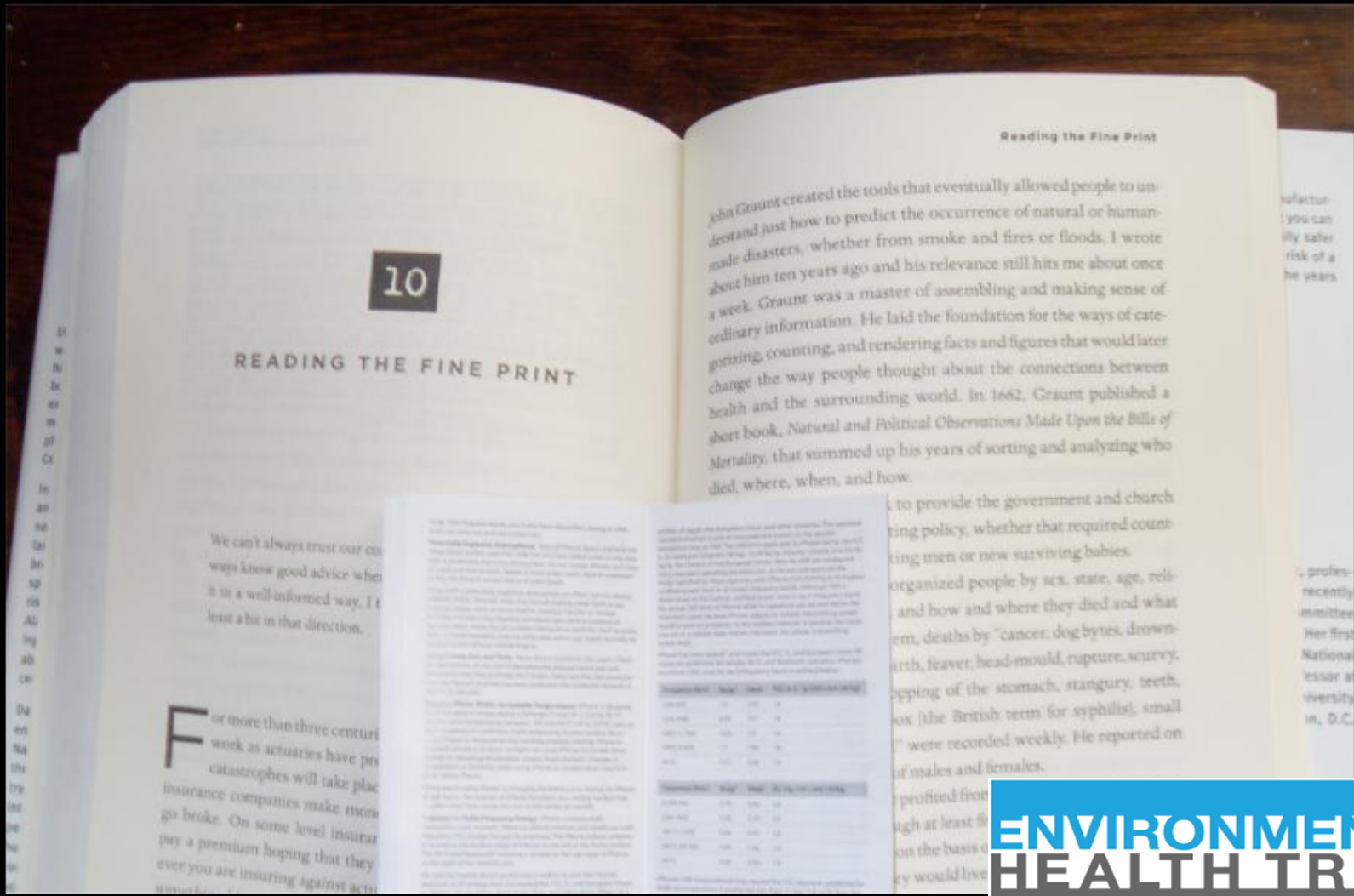


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Notice the cell phone is placed directly over the child's developing reproductive organs

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# Fine Print Warnings



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# Fine Print Warnings (iPhone 4)

For optimal mobile device performance and to be sure that human exposure to RF energy does not exceed the FCC, IC, and European Union guidelines, always follow these instructions and precautions: When on a call using the built-in audio receiver in iPhone, hold iPhone with the dock connector pointed down toward your shoulder to increase separation from the antenna. When using iPhone near your body for voice calls or for wireless data transmission over a cellular network, keep iPhone at least 15 mm (5/8 inch) away from the body, and only use carrying cases, belt clips, or holders that do not have metal parts and that maintain at least 15 mm (5/8 inch) separation between iPhone and the body.

iPhone's SAR measurement may exceed the FCC exposure guidelines for body-worn operation if positioned less than 15 mm (5/8 inch) from the body (e.g., when carrying iPhone in your pocket).

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# Blackberry and Pacemakers

- Always keep the BlackBerry device more than 7.88 inches (20 cm) from the pacemaker when the BlackBerry device is turned on.
- Do not carry the BlackBerry device in your breast pocket.

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# Your future is in your hands

Medical experts are warning men not to keep their mobile phones in their pockets as this can have a direct effect on their fertility.



[www.radiationresearch.org](http://www.radiationresearch.org)

**SAVE  
THE  
MALE**

© RADIATION RESEARCH

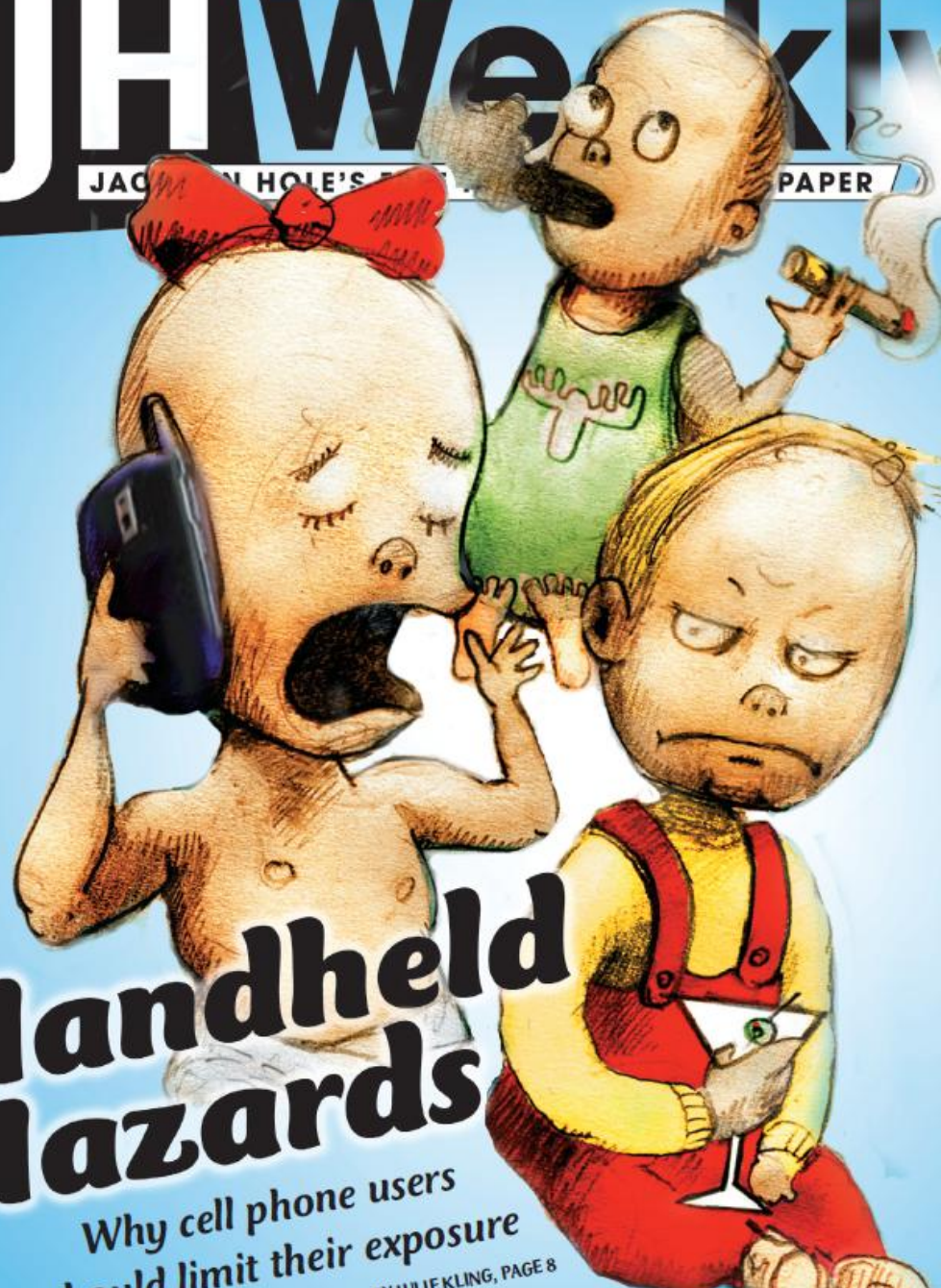
- As typically used each one of the world's five billion + cell phones exceeds recommended standards

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# JH Weekly

JACKSON HOLE'S PAPER



## Handheld Hazards

Why cell phone users should limit their exposure  
BY JULIE KLING, PAGE 8

The world is not dangerous because of those who do harm but because of those who look at it without doing anything.

•Albert Einstein

[www.ehtrust.org](http://www.ehtrust.org)

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# Social Media

- @saferphones
- @DevraLeeDavis
- Ehtrust.org
- Facebook/CampaignforSaferPhones
- Facebook/EnvironmentalHealthTrust