

Publication Date: September 23, 2010  
Price: \$26.95



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Dutton

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“This book will be a must-read for anyone who cares about our children’s brains”  
—David Servan-Schreiber, author of *Anticancer*

# Disconnect



The **TRUTH** about Cell Phone **RADIATION**,  
What the **INDUSTRY** Has Done to Hide It, and  
How to **PROTECT** Your **FAMILY**

## DEVRA DAVIS

P.h.D, M.P.H., and National Book Award

Few of the world’s four billion cell phones users question whether these universal gadgets are safe. In fact, these devices that we hold to our heads and keep in our pockets work like miniature radio stations that radiate microwave energy. U.S. cell phone safety standards, set almost three decades ago prior to the era of handheld wireless technology, assume that the average call was less than six minutes. That bears little in common with today’s average smart phone, time of use, or user—more than half of whom are under the age of 20, their brains still developing and their skulls more susceptible than adults’. Remember: we once thought smoking was harmless.

In a landmark and indispensable new book, **DISCONNECT: The Truth About Cell Phone Radiation, What the Industry Has Done to Hide It, and How to Protect Your Family (Dutton; September 23, 2010; \$26.95)**, Dr. Devra Davis provides the most clear, compelling, and comprehensive look at this issue to date. One of the foremost experts in the field, Davis lucidly explains the science behind cell phone radiation, reveals

the shocking lack of government regulation, and uncovers the alarming abuse of science by the mobile phone industry.

The book contains disturbing details of the current disconnect between science and our nation's actions, including:

- Dr. Franz Adlkofer, a professor of internal medicine who specializes in diseases with environmental and behavioral causes **conclusively proved that cell phone radiation unravels DNA**. Adlkofer's team found that 3G phones were much worse than 2G phones.
- **Independent studies of cell phone radiation dangers find problems at more than twice the rate than industry-funded studies find problems.**
- A study found that **men who do not use cell phones have far more healthy sperm than those who used a cell phone between 2 and 4 hours a day.**
- In another experiment, **rats that have mastered getting out of a tank without drowning, once exposed to cell phone radiation for an hour, get lost and swim in circles.**
- **Other nations are beginning to act.** France is banning the sale of phones for children. Russia, the UK, Canada, Belgium, Israel, Finland, Germany, and India have all discouraged the use of cell phones by children.
- A recent study by the Israeli Dental Association reported that one in five cases of rare cheek cancer occurred in young adults under age 20--**a dramatic rise** believed to be linked to cell phone use.
- Lloyds of London, the oldest continuously active insurance marketplace in the world, now refuses to insure cell phone manufacturers against health-related claims, as do a number of other firms.
- The cell phone industry has followed the playbook of the tobacco industry in dealing with any suggestion that phones could be problematic. **Davis saw serious scientists, raising questions about the long term impact of cell phones on health, who were defunded and sometimes drummed out of research altogether.**

Dr. Davis does not advocate giving up cell phones; she still uses them herself (with a hands-free device). But as **DISCONNECT** plainly shows, it's time to start demanding safer cell phones from manufacturers and higher safety standards from U.S. regulators. This is a crucial book not to be missed.

## Disconnect

*The Truth about Cell Phone Radiation, What The Industry Has Done to Hide It, and How To Protect Your Family*

by Devra Davis

Dutton | September 23, 2010 | \$26.95 (Hardcover) | ISBN 978-0-525-951-94-0

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## Praise for *DISCONNECT*

“*Disconnect* will surprise many and anger some. It tells all too human stories behind the science and engineering of cell phones and raises important unresolved questions about this universal technology.”

—Frank A. Barnes, Professor, University of Colorado at Boulder;  
Member of the National Academy of Engineering

“A critically important book that is a must-read for parents and policy makers. A surprising, well-documented, and compelling call for action.”

—Phil Lee, M.D., former United States assistant secretary for health;  
Chancellor Emeritus, University of California, San Francisco

“An amazing and important book that must be read to be believed. Are these devices safe for humans? The ‘don’t ask, don’t tell’ approach of the industry is irresponsible at best, criminal at worst. Read and learn why and how to protect yourself and y our loved ones.”

—Mark Hyman, M.D., author of *The UltraMind Solution*;  
Chairman, The Institute for Functional Medicine

“A brilliant and courageous tour de force by one of our nation’s leading environmental health experts. Davis provides a detailed exposé that forces us all to take a good, hard look at what we know and what we don’t know about cell phones.”

—Ronald B. Herberman, M.D., Founding Director Emeritus,  
University of Pittsburgh Cancer Institute

“Devra Davis has written a book that will change the way the world thinks about cell phones and the potential public health disaster they represent.”

**—Carlos Santos-Burgoa, M.D., M.P.H., Ph.D.,  
Past President, International Society for Environmental Epidemiology**