



The Weekly Newsmagazine of Science

# SCIENCE NEWS

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**Counting  
for the  
Future**

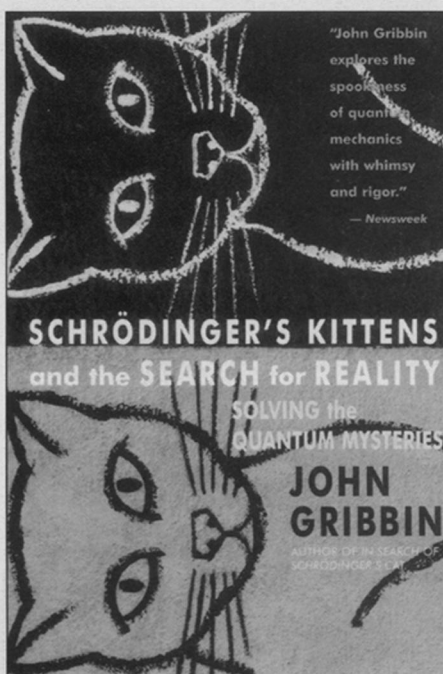


"**N**OBODY UNDERSTANDS QUANTUM theory," said Richard Feynman, and in the 1980s that was true. Now, John Gribbin presents exciting new evidence about the nature of light that pulls together quantum theory and relativity theory into a coherent explanation of reality—solving the quantum mysteries.

John Gribbin's bestselling *In Search of Schrödinger's Cat* was the first book to present the many riddles of quantum mechanics. Now he returns with Schrödinger's "kittens," the offspring of his famously indeterminate cat. As a way of visualizing the many perplexing paradoxes of the new view of reality, Gribbin carries them to opposite ends of the universe, where their fate is determined by signals that travel faster than light and backward in time. Elsewhere in the mysterious quantum world there are photons capable of being in two places at the same time.

All this has much more than just theoretical interest. The practical applications are equally astounding. It has already found applications in uncrackable codes and could eventually be used to develop a Star Trek-style teleportation machine.

—from Little, Brown



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• How many top-selling perfumes are made entirely from synthetic chemicals?

• Are artificial sweeteners perfectly safe?

• Which has more saturated fat: butter or coconut oil?

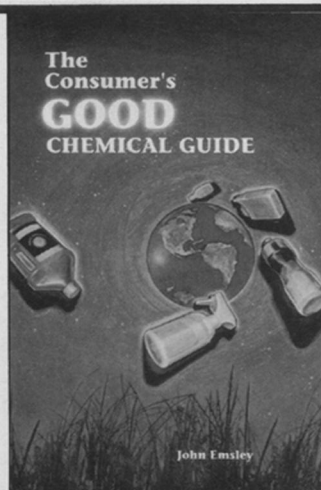
• Is nitrate from fertilizers polluting drinking water and causing 'blue-baby syndrome' and stomach cancer?

The unexpected answers to these and many other topical questions can be found in *The Consumer's Good Chemical Guide*, which exposes the misinformation and disinformation that surround many of the controversial chemicals we meet in daily life.

The *Guide* explains in accessible, nontechnical language the science behind sugar and artificial sweeteners; cholesterol, animal fats and fiber; painkillers and the risks associated with taking drugs; plastics and PVC; dioxins and nitrates in the environment; and carbon dioxide and the greenhouse gases. Also included are chapters on two products which are entirely chemical, but commonly not thought of as such: perfume and alcohol.

*The Consumer's Good Chemical Guide* is for anyone who has been worried, sometimes alarmed, by stories which suggest that these chemicals are dangerous, polluting, or unhealthy. And, having read it, they can make up their own minds about some of the more controversial chemicals, confident that their opinions are soundly based on scientific fact.

— from WH Freeman



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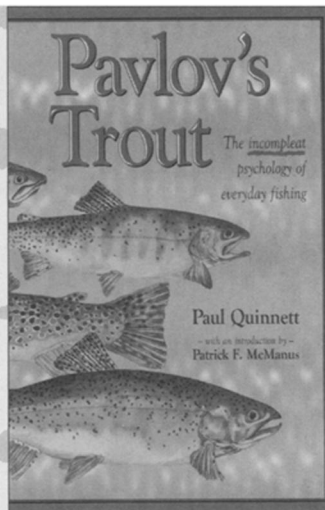
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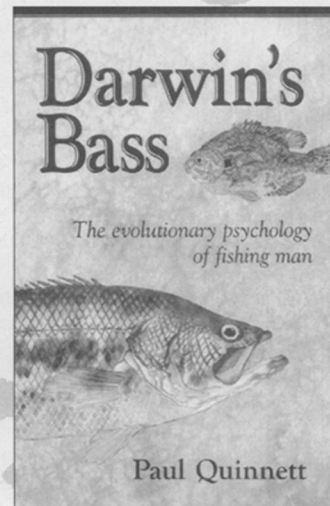
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In this sequel, Paul Quinnett explores the evolutionary foundations of fishing and why so many people are so passionate about this sport. While exploring real scientific conundrums of our evolution as fisherfolk—Did fishing help us develop our intelligence? Does the successful fisherman have a better chance of contributing to the gene pool?—**Darwin's Bass** also helps explain the joy, freedom, anticipation, and hope that people feel when they go fishing. Chances are, you have more in common with the fish than you ever expected!

—from Keokee Co.

An angler all his life, and a psychologist for the past 27 fishing seasons, author Paul Quinnett examines the mysteries of sport fishing through the microscope of modern psychology. Anyone who has enjoyed the pleasures of fishing—or merely wondered at the almost primal pleasures of the sport—will find **Pavlov's Trout** both illuminating and entertaining. If you care about your sanity, read **Pavlov's Trout**—and then go fishing as often as possible! —from Keokee Co.

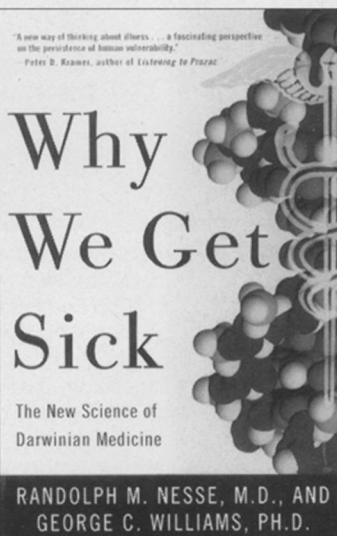


The next time you get sick, consider this before you pick up the aspirin: Your body may be doing exactly what it's supposed to. In this ground-breaking book, two pioneers of the emerging science of Darwinian medicine argue that illness and the factors that predispose us to it are subject to the same laws of natural selection that make our bodies such miracles of design. Among the questions they raise:

- When may a fever be beneficial?
- Why do pregnant women get morning sickness precisely when they are supposed to be nourishing their developing babies?
- How do certain viruses "manipulate" their hosts into infecting others?
- What evolutionary factors may be responsible for depression and panic disorder?

Deftly summarizing the latest research on disorders ranging from allergies to Alzheimer's and from cancer to Huntington's chorea, *Why We Get Sick* answers these questions and more. The result is a book that will revolutionize our attitudes toward illness and will intrigue and instruct laypersons and medical practitioners alike.

— from Vintage



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WhyWeSick

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*"By bringing the evolutionary vision systematically into one of the last unconquered provinces, Nesse and Williams have devised not only means for the improvement of medicine but fundamental new insights into the human condition."*

— Edward O. Wilson, Harvard University

Vintage, 1994, 290 pages,  
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