

The Weekly Newsmagazine of Science

# SCIENCE NEWS

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**A SIGNAL FROM MARS.**  
MARCH  
AND  
TWO STEP

by  
**RAYMOND TAYLOR**  
Arranged by  
**E.T. PAULL**

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Looking for Life



# Explore the Treasures of Science with Cambridge

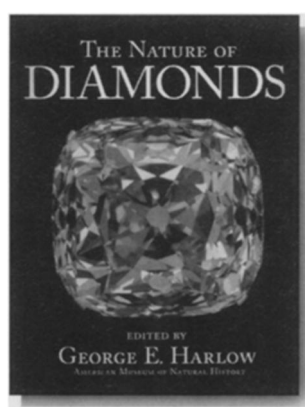
## The Nature of Diamonds

**George E. Harlow, Editor**

*The Nature of Diamonds* is a comprehensive look at nature's most coveted gem. Wide-ranging illustrations explain the geology of diamonds, chart the history of mining from its origins in India and Brazil through the diamond rush in South Africa and today's high-tech enterprises, and capture the brilliance and beauty of this extraordinary gem.

*Co-published with the American Museum of Natural History*

1997	224 pp.	
62083-X	Hardback	\$74.95
62935-7	Paperback	\$29.95



## Figments of Reality

The Evolution of the Curious Mind

**Ian Stewart and Jack Cohen**

*"The most thought-provoking book I've read all year."*

—Terry Pratchett

Peppered with wit and controversial topics, this is a refreshing new look at the co-evolution of mind and culture. Bestselling authors Ian Stewart and Jack Cohen eloquently argue that our minds evolved within an inextricable link with culture and language. They go beyond conventional views of the function and purpose of the mind to look at the ways that the mind is the response of an evolving brain that is constantly adjusting to a complex environment.

1997	350 pp.	
57155-3	Hardback	\$24.95

## Einstein's Mirror

**Tony Hey and Patrick Walters**

This book blends a simple, nonmathematical account of the theory of special relativity and gravitation with a description of the way experiments have triumphantly supported these theories. The authors explore the many applications of relativity in atomic and nuclear physics, which are many and range from satellite navigation systems, particle accelerators and nuclear power to quantum chemistry, antimatter and black holes. The book also features a superb collection of photographs and includes amusing anecdotes and biographies about the early pioneers.

1997	256 pp.	
43504-8	Hardback	\$69.95
43532-3	Paperback	\$27.95

*Now in paperback...*

## Our Evolving Universe

**Malcolm S. Longair**

*"...a beautifully produced book, in an oversize format, with an elegant typographical design, clear diagrams and many colour illustrations. The text is unflinchingly direct and accurate..."*

—William H. Press, *Nature*

Adorned with the latest color images from the world's most advanced telescopes, *Our Evolving Universe* is a lucid, nontechnical and infectiously enthusiastic introduction to our current understanding of astronomy and cosmology.

1997	224 pp.	
62975-6	Paperback	\$19.95

## Does the Weather Really Matter?

The Social Implications of Climate Change

**William Burroughs**

In this compelling look at weather, author Burroughs combines historical perspective and economic and political analysis to give the impact of weather and climate change relevance and weight.

1997	224 pp.	
56126-4	Hardback	\$24.95

## Why Things Are the Way They Are

**B. S. Chandrasekhar**

The author explains how it is possible to understand the basic properties of matter, and translates the technical jargon of physics into a language that can be understood by anyone who wants to know why the world around us behaves in the way that it does.

1997	272 pp.	
45039-X	Hardback	\$59.95
45660-6	Paperback	\$24.95

## Global Warming

Second Edition

**J. T. Houghton**

*"...Seldom has such a complex topic been presented with such remarkable simplicity, directness and crystalline clarity..."*

—Bulletin of the American Meteorological Society

Houghton examines the science and the politics of global warming. Succinct, lucid, and comprehensive, this is the definitive guide to this frightening phenomenon.

1997	265 pp.	
62089-9	Hardback	\$59.95
62932-2	Paperback	\$22.95

## Thinking Styles

**Robert J. Sternberg**

Using a variety of examples that range from scientific studies to personal anecdotes, Dr. Sternberg presents a theory of thinking styles that aims to explain why aptitude tests, school grades, and classroom performance often fail to identify real ability.

1997	176 pp.	
55316-4	Hardback	\$19.95

## Carl Sagan's Universe

**Yervant Terzian and Elizabeth Bilson, Editors**

This is a fascinating and beautifully illustrated collection of articles by a distinguished team of authors, including Philip Morrison, Frank Press, and Paul Horowitz, and covers the many fields in which Sagan worked. There is also a special chapter by Sagan himself, dealing with space travel and our place in the universe.

1997	304 pp.	
57286-X	Hardback	\$59.95
57603-2	Paperback	\$22.95

## Perils of a Restless Planet

Scientific Perspectives on Natural Disasters

**Ernest Zebrowski, Jr.**

*"Zebrowski's infectious relish makes it hard not to look forward to the next plague—of, say, black widows—as he might tell it."*

—Kirkus Reviews

Drawing upon actual events from ancient to present times, this book focuses on basic scientific inquiry, technological innovation and, ultimately, public policy to provide a lucid and riveting look at the natural events that have shaped our view of natural disasters.

1997	320 pp.	
57374-2	Hardback	\$24.95

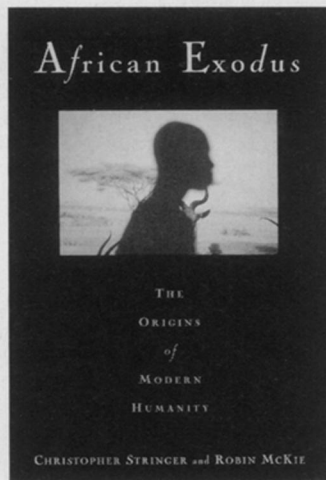
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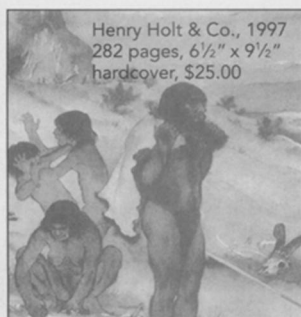
"We emerged out of Africa," the authors contend, "less than 100,000 years ago and replaced all other human populations." Our genes betray this secret of common racial heritage; further, the apparent racial distinctions of modern humans that have given rise to centuries of prejudice and inequality are shown to be merely geographic variants.

Writing in an exceptionally readable style, Christopher Stringer, the primary architect of the out-of-Africa model of evolution, and science writer Robin McKie challenge the long-held assumption that our species evolved as different races, each with ancient genetic roots reaching back 2 million years. The authors go beyond the incomplete fossil record to the nuclear genome—"from the bones of the dead to the



thropology to politics and culture. —From Henry Holt & Co. blood of the living"—to tell the dramatic story of how *Homo sapiens* thrived while other species, including Neandertals, died out. They argue persuasively that though modern humans may not always look alike, our biological makeup is unvarying: An Eskimo and an Australian aborigine, a Chinese and a Swede—people living worlds apart—are more alike than two gorillas from the same forest. It is the same DNA lineage that points unmistakably to a common ancestor whose offspring evolved into *Homo sapiens* shortly before the African exodus.

By revealing the fount of *all* people while also exposing one of the most important and bitter debates in contemporary science, *African Exodus* reaches beyond paleoan-



Henry Holt & Co., 1997  
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## Did You Know

- Eating too much broccoli could be deadly if you also take the popular blood thinner Coumadin (warfarin)?
- Grapefruit juice, when used to wash down certain antihistamines, immune suppressors, or blood pressure drugs, can cause concentrations of these powerful drugs to soar in the blood?
- Birth control pills can be rendered ineffective by barbiturates, antibiotics, anti-fungal drugs, tuberculosis drugs, and certain anticonvulsants?

*Everyone has taken more than one pill simultaneously. Yet every time you combine medications with foods, vitamins, minerals, herbs, or alcohol, you expose yourself to the risk of a potentially dangerous interaction.*

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—from St. Martin's Griffin

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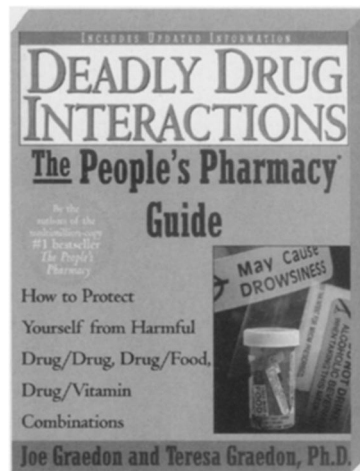
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