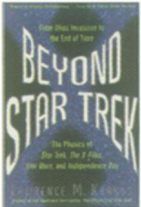
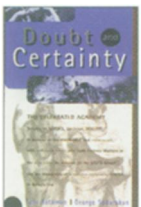


SCIENCE NEWS BOOKS

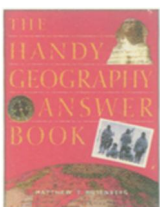
To order these books or any other book in print, call 1-800-BOOKS-NOW (266-5766) ext. 1494. Visa, MasterCard, and American Express accepted. Send checks or money orders plus \$4.95 shipping and handling (\$2.50 for each additional item) to Books Now, 348 East 6400 South, Suite 220, Salt Lake City, UT 84107. Or see our Web site at www.sciencenewsbooks.org. This service is provided in conjunction with Science News Books.



Beyond Star Trek: From Alien Invasions to the End of Time—Lawrence M. Krauss. In this follow-up to his successful book *The Physics of Star Trek*, Krauss uses the television show *The X Files* and the movie *Independence Day*, among others, to illustrate cosmological conundrums. For example, aliens like those in *Independence Day* would probably have arrived on Earth only to find it devastated by weather brought about by the gravitational effects of their spaceships. The basics of quantum mechanics, advances in warp-drive systems, and the possibility of extraterrestrial life are also deftly considered. Originally published in hardcover in 1997. HarpPL, 1998, 190 p., paperback, \$12.00.

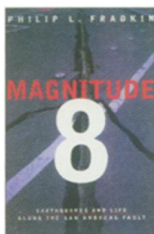


Doubt and Certainty: The Celebrated Academy Debates on Science, Mysticism, Reality in General on the Knowable and Unknowable, with Particular Forays Into Such Esoteric Matters as the Mind Fluid, the Behavior of the Stock Market, and the Disposition of a Quantum Mechanical Sphinx, to Name a Few—Tony Rothman and George Sudarshan. The subtitle certainly conveys the text's gist, but readers may be interested to know that these witty authors are physicists. Their Western and Eastern philosophies flavor these dialogues concerning issues in modern physics and the clashing or meshing of New Age ideals. In what they describe as a "cross between Plato's *Republic* and the *1001 Nights*," Rothman and Sudarshan reinvent Plato's academy, melding their thoughts with those of their ancestors and contemporaries. Each section is prefaced by background on its subject and is concluded with a puzzle or exercise. Perseus, 1998, 320 p., hardcover, \$25.00.



The Handy Geography Answer Book—Matthew T. Rosenberg. **The Handy Physics Answer Book**—P. Erik Gundersen. Fans of *The Handy Science Answer Book* and its progeny should find these two offshoots to be equally appealing methods of nourishing one's curiosity about the physical world. Not just a book about maps, the geography volume answers queries about climate, exploration, disasters, and individual continents, such as: What are the four climatic regions of the Andes, and what was the Ottoman

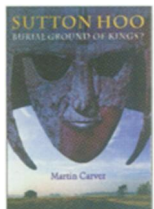
Empire? A concluding section lists vital statistics for 192 countries. The physics book explores more than 800 fascinating aspects of physics, including sound, waves, fluids, thermodynamics, magnetism, and electricity. Readers discover the difference between center of mass and center of gravity, how a compass is made, and how objects maintain an orbit around Earth. Both books Visible Ink, 1999, 462 p./415 p., color plates/b&w illus., paperback, \$19.95.



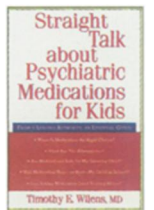
Magnitude 8: Earthquakes and Life Along the San Andreas Fault—Philip L. Fradkin. For nearly 20 years, Fradkin has lived within shouting distance of the point on the San Andreas Fault that moved 20 feet in 1906. His proximity to one of the most turbulent faults in the United States informs his discussion of the natural elements of earthquakes and the impact of this phenomenon on the cultural and daily lives of people who reside near faults. Fradkin blends these elements into his consideration of the outcome of a future magnitude 8 quake, the difficulty in predicting quakes, and the rationale of fault-dwellers. H Holt & Co, 1998, 336 p., hardcover, \$27.50.



The Pattern on the Stone: The Simple Ideas That Make Computers Work—Daniel Hillis. Using analogies befitting a child, Hillis tells how computers compute. He begins by imparting Boolean logic through a demonstration of a machine that plays tic-tac-toe. Then, he describes a universal construction set in terms of the shortcomings of Lego blocks. He goes on to aptly describe Turing machines, algorithms, heuristics, and encryption. Hillis' gift is his ability to convey the logical processes of computers that begin with switches and circuitry and escalate to self-organizing learning ability relevant to parallel computing systems. Basic, 1998, 164 p., illus., hardcover, \$21.00.



Sutton Hoo: Burial Ground of Kings?—Martin Carver. On three separate occasions during the past 60 years, archaeologists unearthed mounds exhibiting unusual burial tactics in southeastern England. Dating to 600 A.D., these graves of medieval English aristocrats were swollen with not only human remains but also a bounty of artifacts. Some individuals were buried in their boats, others were entombed with their horses, art, and precious metals. Carver attended the last of these digs, and he recounts the content of the sites and the theories about them offered thus far. Penn, 1998, 195 p., color plates/b&w photos, hardcover, \$29.95.



Straight Talk About Psychiatric Medications for Kids—Timothy E. Wilens. A specialist in pediatric and adult psychopharmacology at Massachusetts General Hospital surveys the gamut of childhood mental, emotional, and behavioral conditions treated with medication. First explaining the conditions and their hallmark symptoms, Wilens then presents treatment options and facts about associated medications. Early chapters answer questions about the medicating process and its short-term and long-term effects on children. A guide to psychotropic medications concludes the book. Guilford, 1999, 279 p., paperback, \$14.95.

To order by phone for faster service, call:
1-800-266-5766 ext. 1494
Visa, MasterCard, and American Express accepted

SCIENCE NEWS

A Science Service Publication

Donald R. Harless	Publisher
Julie Ann Miller	Editor
Keith Haglund	Managing Editor
Dan Skripkar	Production/Design Director
David Lindley	Associate Editor
Janet Raloff	Senior Editor
Ivars Peterson	Environment/Policy Online Editor
Bruce Bower	Mathematics/Computers
Richard Monastersky	Behavioral Sciences
Kathleen Fackelmann,	Intership Coordinator
Nathan Seppa	Earth Science
Ron Cowen	Biomedicine
John Travis	Astronomy
Corinna Wu	Biology
Susan Milius	Chemistry/
Peter Weiss	Materials Science
Sarah Simpson	Life Sciences
Penny J. Chaney	Physics/Technology
Gwendolyn K. Gillespie	Science Writer Intern
Cait Anthony	Editorial Assistant
Christina Smith	Editorial Secretary
Larry Sigler	Books/Advertising
	Subscriptions
	Business Manager

Board of Trustees—*Chairman*, Dudley Herschbach; *Vice Chairman*, Robert W. Fri; *Secretary*, David A. Goslin; *Treasurer*, Willis Harlow Shapley; *Samuel Gubins*; *J. David Hann*; *Shirley M. Malcom*; *Eve L. Menger*; *C. Bradley Moore*; *Ben Patrusky*; *Anna C. Roosevelt*; *H. Guyford Stever*; *Gerald F. Tape*; *Sanford J. Ungar*; *Deborah P. Wolfe*; *Chairman Emeritus*, Glenn T. Seaborg; *Honorary Trustees*, Edward Bliss Jr.; *Bowen C. Dees*; *Elena O. Nightingale*; *John Troan*.

Officers—*President*, Donald R. Harless; *Business Manager*, Larry Sigler.

SCIENCE NEWS (ISSN 0036-8423) is published weekly on Saturday, except the last week in December, for \$49.50 for 1 year or \$88.00 for 2 years (foreign postage is \$6.00 additional per year) by Science Service, 1719 N Street, N.W., Washington, D.C. 20036. Preferred Periodicals postage paid at Washington, D.C., and additional mailing office. **POSTMASTER**: Send address changes to SCIENCE NEWS, P.O. Box 1925, Marion, Ohio 43305. Change of address: Four to six weeks' notice is required—old and new addresses, including zip codes, must be provided. Copyright © 1998 by Science Service. Title registered as trademark U.S. and Canadian Patent Offices. Printed in U.S.A. on recycled paper. © Reproduction of any portion of SCIENCE NEWS without written permission of the publisher is prohibited. For permission to photocopy articles, contact Copyright Clearance Center at 978-750-8400 (phone) or 978-750-4470 (fax).

Editorial, Business, and Advertising Offices
1719 N St. N.W., Washington, D.C. 20036
202-785-2255; scinews@sciserv.org

Subscription Department
P.O. Box 1925, Marion, Ohio 43305
For new subscriptions and customer service, call 1-800-552-4412.

SCIENCE NEWS is published by Science Service, a nonprofit corporation founded in 1921. The mission of Science Service is to advance the understanding and appreciation of science through publications and educational programs.

Visit Science Service on the World Wide Web:
<http://www.sciserv.org>