

# Books

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**The Astronomer's Universe: Stars, Galaxies, and Cosmos** — Herbert Friedman. An eloquent exploration of 20th-century astronomical advances, written for general readers and beginning astronomers. Friedman, who won the National Medal of Science for his work in astronomy, examines the great scientific minds that ushered in this new era and lucidly explains recent astronomical findings and tools, covering telescopes, radio waves, matter and antimatter, red giants, white dwarfs, supernovae, quasars and more. Norton, 1990, 359 p., illus., hardcover, \$24.95.

**The Emperor's New Mind: Concerning Computers, Minds, and the Laws of Physics** — Roger Penrose. A renowned mathematical physicist addresses the question of whether a computer can have a mind and explores what mathematics and physics can and can't tell us about the human mind. Penrose argues that physicists' lack of a fundamental insight into the connections between classical and quantum physics blocks the formation of a "theory of everything" and hinders a full understanding of how the mind works. He supports his arguments with discussions of complex topics ranging from Turing machines to black holes. Originally published in hardcover in 1989. Penguin, 1991, 499 p., illus., paperback, \$12.95.

**1991 Consumer Guide to Home Energy Savings** — Alex Wilson. A comprehensive, easy-to-use resource for consumers interested in improving their home energy efficiency and saving money. Covers home heating and cooling systems, water heating, food storage, cooking, dishwashing, laundry, lighting and other energy uses, discussing energy-saving products, whether they work and how much money they save. Includes lists of energy-efficient appliance brands. Published in cooperation with HOME ENERGY magazine. American Council for an Energy-Efficient Economy, 1990, 252 p., illus., paperback, \$6.95.

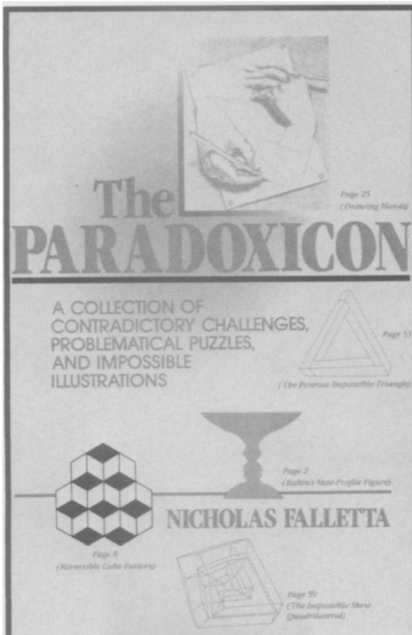
**One Earth** — Kenneth Brower. A photographic tribute to Earth's fragile bounty and to those working to preserve it. Magnificent full-color photographs from more than 80 of the world's leading photojournalists illustrate the enormity of the world's most compelling environmental issues and the urgency and innovation of the international movement to find solutions. From the editors and photographers of the best-selling *Day in the Life* series. Collins, 1990, 192 p., color illus., hardcover, \$39.95, paperback, \$24.95.

**Science Matters: Achieving Scientific Literacy** — Robert M. Hazen and James Trefil. Explains for general readers the fundamental principles of modern science and applies these concepts to specific, newsworthy areas of physical, earth and life sciences. The authors review nuclear and particle physics, atomic structure, relativity, genetics and more in an effort to enlighten the estimated 93 percent of adult Americans classified as scientifically illiterate. Doubleday, 1990, 294 p., illus., hardcover, \$19.95.

**Taking Control of Arthritis** — Fred G. Kantrowitz. Writing for the general reader, a Harvard medical professor answers some of the most commonly asked questions about the causes, symptoms, tests and treatments of arthritis, addressing such topics as nutrition, stress reduction, the newest drugs and the efficacy of alternative therapies. Focusing on rheumatoid and osteoarthritis, Kantrowitz challenges the widely held belief that nothing significant can be done for arthritis sufferers, and offers advice on managing arthritis symptoms and presenting case studies of patients who have taken control of the disease. HarperCollins, 1990, 244 p., hardcover, \$19.95.

**Wild Ice: Antarctic Journeys** — Ron Naveen, Colin Monteath, Tui De Roy and Mark Jones. In this spectacular glimpse at the Antarctic ecosystem, full-color photographs and informative text unveil the natural history of Earth's most remote continent. Smithsonian, 1990, 222 p., color illus., hardcover, \$29.95.

**Women's Lives** — Sue Llewelyn and Kate Osborne. Two clinical psychologists offer an insightful and informative discussion of the issues and dilemmas faced during the course of women's lives. Drawing on case studies, scholarly studies, novels and autobiographies to support their arguments, the authors consider both the personal and social aspects of a woman's experience. Chapters address adolescence, sexuality, work, maternity, child rearing, aging and more. Written for the general reader and extensively referenced. Routledge Chapman & Hall, 1990, 266 p., paperback, \$12.95.



Whimsically described as "truth standing on its head to attract attention," paradoxes have puzzled mankind since the birth of logic itself. *The Paradoxicon*, a detailed treasury of contradictions, curiosities and mind-boggling twists of reason, features a diverse collection of visual, logical, mathematical and scientific puzzles. Ranging from classic logic-defying enigmas through recently discovered paradoxes, the varied assortment will appeal to all fans of logic-based games and puzzles. —from the publisher

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John Wiley & Sons, 1990, 230 pages, 6" x 9", paperback, \$10.95

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