

Books

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The Air and Space Catalog: The Complete Sourcebook to Everything in the Universe — Joel Makower, Ed. Each section — astronomy, weather, aviation and space flight — covers the organizations, products and other resources available on the subject. Includes some short essays and articles on topics of related interest. A useful and well-illustrated reference from the editor of *The Map Catalog*. Vintage, 1989, 332 p., color/b&w illus., paperback, \$16.95.

Introducing Birds to Young Naturalists — Ilo Hiller. Learn about the structure of feathers, how eggs form and why birds sing. Read about bluebirds, cardinals, woodpeckers, doves and other birds (all found in Texas, but most found elsewhere too). Construct a birdhouse or set up a winter feeder with the aid of accurate sketches and photographs. Written for the general reader who wishes to inspire youngsters in the lifelong pursuit of birding. Texas A&M Pr, 1989, 69 p., color illus., paperback, \$12.95.

The Landmarks of Science — Leonard C. Bruno. Drawing on more than 400 classic documents, a senior science specialist at the Library of Congress relates the history of science in the western world. He examines Newton's *Principia Mathematica*, Audubon's *The Birds of America* and other works while tracing the progress of astronomy, zoology, physics and other subjects. Facts on File, 1989, 351 p., hardcover, \$40.00.

The Pencil: A History of Design and Circumstance — Henry Petroski. A reflection on the political, social and cultural context of engineering in general and the pencil in particular. Petroski's serious but readable study addresses many questions, including: Where did the pencil come from and how is it made? Are today's pencils the same as they were 200 years ago? Are U.S. pencils better than Soviet or Japanese versions? The author asserts that an understanding of the history of the pencil offers lessons for the automobile, oil and steel industries. Knopf, 1989, 434 p., illus., hardcover, \$25.00.

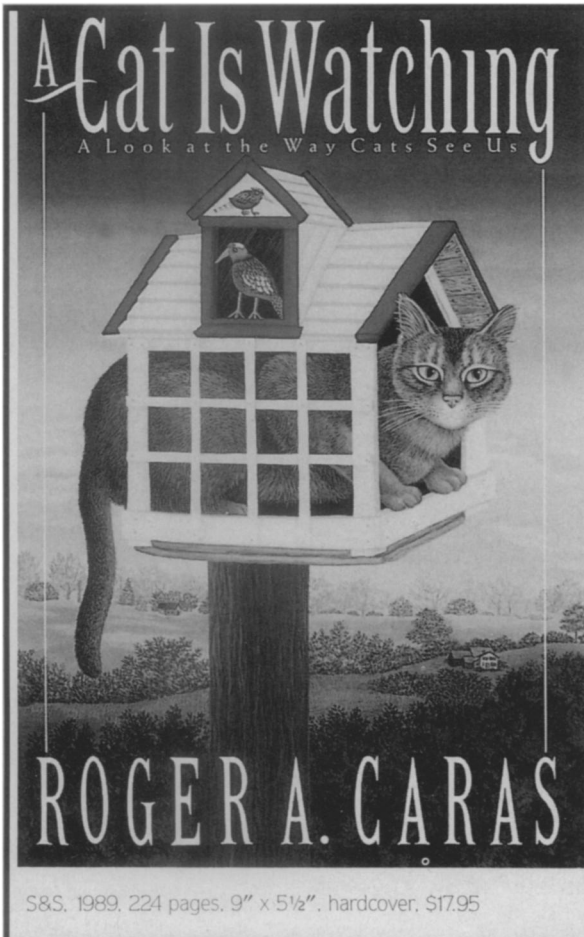
The Physics of Baseball — Robert K. Adair. In 1987, the author was named "Physicist to the National League" by the late baseball commissioner Bart Giamatti. Adair's book is an expanded version of a report he prepared for Giamatti on elements of baseball that can be described quantitatively. Written for the general reader interested in both physics and baseball, the book reveals such facts as: To hit a ball for maximum distance, the trajectory off the bat should have a 35° angle; there is no such thing in baseball as a rising fastball; and a 400-foot home run will go about 6 feet farther for every 1-inch drop in the barometer. Har-Row, 1990, 110 p., illus., hardcover, \$16.95, paperback, \$7.95.

The Random House Book of Bulbs — Roger Phillips and Martyn Rix. Beautiful color photographs of more than 1,000 bulbs and bulb-like plants from around the world — including tulip, fritillaria, fnesia and gladiola — arranged according to their season of bloom. Ends with a list of suppliers and societies. Random, 1989, 255 p., color illus., paperback, \$21.95.

Rochester Roundabout: The Story of High Energy Physics — John Polkinghorne. A participant in the International Rochester Conferences relates the story of high-energy physics as discussed at the conferences from 1950-1980 by scientists including Richard Feynman, Robert Oppenheimer and Murray Gell-Mann. Covers the personalities of the participants, as well as the particles they discussed. W H Freeman, 1989, 204 p., illus., hardcover, \$21.95.

Save Our Planet: 750 Everyday Ways You Can Help Clean Up the Earth — Diane MacEachern. Explains in clear language the major environmental issues confronting the modern world — deforestation, toxic disposal, global warming — and offers advice for the reader to follow at home, at the supermarket, at the office, at school and in the community. The author recommends, among other things, returning Styrofoam containers to fast-food establishments, turning your apartment basement into a recycling center and using cloth diapers instead of disposables. Dell, 1990, 210 p., illus., paperback, \$9.95.

Shaping the Future: Biology and Human Values — National Research Council. Written for nonscientists, this book highlights current research in genetics, development, neurobiology and evolution. Each section concludes with an essay on the ethical issues surrounding that topic: the pace of biological research, including the public's perception of science; the use of human biological materials in research; the relationship of evolution to ethics; and the biological diversity of the planet. Natl Acad Pr, 1989, 116 p., illus., hardcover, \$14.95.



A warm and fascinating look at the world of the cat from the cat's perspective by wildlife expert and TV correspondent Roger Caras. With a combination of biology, psychology and personal anecdote, the author of *A Celebration of Cats* shows how cats view people and the world around them. We get a cat's-eye view of how they hunt (and learn that if mice ran in circles, cats couldn't catch them), eavesdrop on cat conversation (nine consonants, five vowels, two diphthongs, and one triphthong) and tune in to cats' "sixth sense" (their remarkable ability to find their way home, even when they've been transported miles away). Filled with dozens of engaging anecdotes about the scores of cats in Caras' own life, *A Cat Is Watching* is the most charming and informative cat book of the year. — from the publisher

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CatsWatch

Please send _____ copy(ies) of *A Cat is Watching*. I include a check payable to Science News Books for \$17.95 plus \$2.00 postage and handling (total \$19.95) for each copy. Domestic orders only.

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