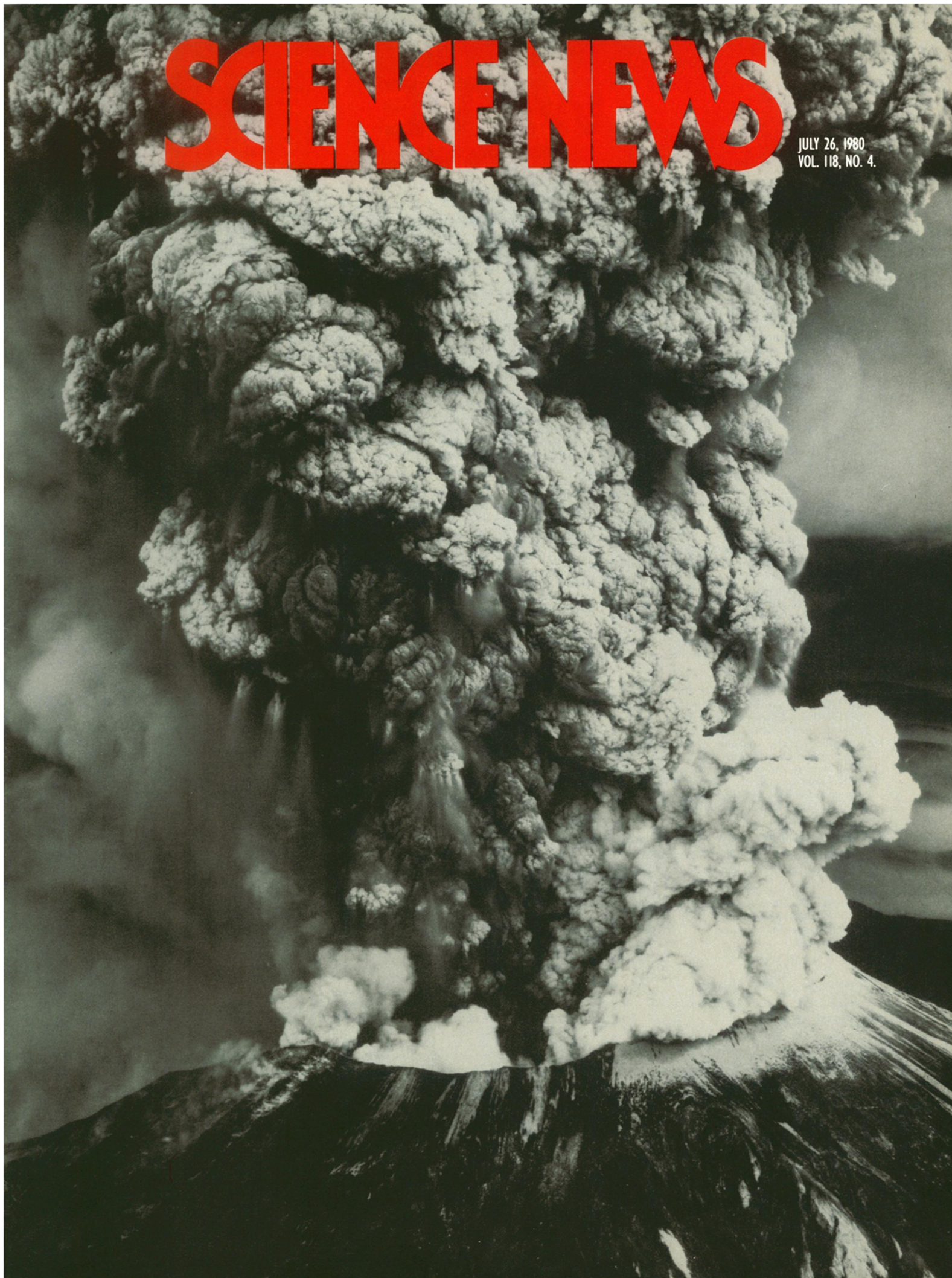
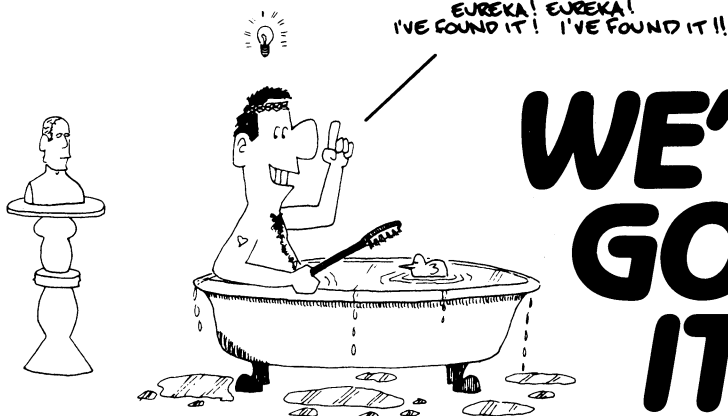


SCIENCE NEWS

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Books to
stimulate
ideas

THE AMATEUR ASTRONOMER — Antonín Růkl, Translated by Olga Kuthanová, Consultant Ed. John Gribbin. Presents the story of our visible universe in terms of what we can see with the unaided eye; one will need a telescope or binoculars, however, in order to make best use of the star maps. Octopus (Mayflower Bks), 1979, 184 p., color and b&w illus., \$9.95. [1]

THE ART OF CREATIVE THINKING — Robert W. Olson. Based on research and experiments in ways to stimulate creativity, this book gives techniques and exercises to develop creative abilities. B&N, 1980, 265 p., paper, \$4.95. [2]

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THE AUDUBON SOCIETY FIELD GUIDE TO NORTH AMERICAN REPTILES AND AMPHIBIANS — John L. Behler and F. Wayne King. Covers all native and introduced reptiles and amphibians found in North America north of Mexico. Color photographs illustrate nearly every species in this range. Description, breeding, habitat, range, subspecies and additional notes are included for each species. Knopf, 1979, 719 p., color and b&w illus., \$9.95. [3]

THE AUDUBON SOCIETY FIELD GUIDE TO NORTH AMERICAN ROCKS AND MINERALS — Charles W. Chesterman. Brings together the information a beginner will need to get a start collecting and studying minerals, gems and rocks. Includes color photographs and descriptions of 232 mineral species and 40 types of rocks with keys to their identification. Knopf, 1979, 850 p., color and b&w illus., \$9.95. [4]

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THE BEGINNER'S HANDBOOK OF ELECTRONICS — George H. Olsen, revised by Forrest M. Mims, III. Written for the layman who wishes to gain an understanding of the principles of electronics. Assumes no more prior knowledge than that of elementary electricity and seeks to avoid mathematics. Discusses such topics as resistors, transistors, semiconductors, integrated circuits, television and digital circuits. P-H, 1980, 305 p., illus., \$17.95, paper, \$6.95. [5]

THE DANCING WU LI MASTERS: An Overview of the New Physics — Gary Zukav. Written for intelligent people who want to learn about advanced physics but who do not know its terminology or its mathematics. The essence of quantum mechanics, quantum logic, special relativity and some new ideas that indicate the direction that physics seems to be moving in are discussed in readable style. Morrow, 1979, 352 p., illus., \$12.95, paper, \$5.95. [6]

DRAWING ON THE RIGHT SIDE OF THE BRAIN: A Course in Enhancing Creativity and Artistic Confidence — Betty Edwards. The author has designed a series of drawing exercises that attempt to develop a new way of seeing by tapping the special functions of the right hemisphere of the brain, thus helping you learn to draw. Explanations of the functions of the brain hemispheres and the reasons behind each exercise make this a fascinating, as well as practical, book. J P Tarcher, 1979, 207 p., illus., \$13.95, paper, \$8.95. [7]

GREENWICH TIME: And the Discovery of the Longitude — Derek Howse. Tells the story of Greenwich Time and how it became Universal Time. The early part of the story tells of the efforts to find a practical method of finding longitude. Oxford U Pr, 1980, 254 p., illus., \$24.95. [8]

LIFE BEFORE BIRTH: The Story of the First Nine Months — Stephen Parker. Tells the story of the first nine months of a human life, nine months spent growing and developing from a tiny cell into a fully formed baby. Adapted from an exhibit at the British Museum (Natural History). Cambridge U Pr, 1979, 48 p., color and b&w illus. by John Bavosi, \$7.95, paper \$3.50. [9]

MASTERING YOUR MIGRAINE — Peter Evans, foreword by Paul Turner and Derek R. Mullis. Surveys the spectrum of current knowledge of this malady, which affects peoples worldwide with the exception of those in tribal Africa, and discusses current treatment in nontechnical language. Dutton, 1979, 112 p., \$8.95, paper, \$3.95. [10]

NUCLEAR POWER: From Physics to Politics — Laurence Pringle. A simply written book that gives an overview of nuclear-energy development and attempts to clarify the major issues of the nuclear power controversy. Macmillan, 1979, 133 p., illus., \$7.95. [11]

OVERCOMING MATH ANXIETY — Sheila Tobias. Primarily a discussion of how intimidation, myth and misunderstanding have affected a large proportion of the population in the job market. Written to convince women and men that their fear of mathematics is the result not the cause of their negative experiences with math and to encourage them to give themselves another chance. Originally published in hardback in 1978. HM, 1980, 284 p., illus., paper, \$5.95. [12]

PARTICLES: An Introduction to Particle Physics — Michael Chester. Our everyday world is built out of particles, such as protons, pions and quarks, things that are both particles and waves, things that might move backward and forward in time. A simply written book that tells how physicists through the years have developed their understanding of fundamental particles. Macmillan, 1978, 154 p., illus., \$8.95. [13]

THE RIGHT BRAIN: A New Understanding of the Unconscious Mind and its Creative Powers — Thomas R. Blakeslee. Explains the functions of the hemispheres of our brain. Indicates that we have not been taught to use the right hemisphere and offers suggestions for utilizing the right brain. Includes an extensive bibliography. Anchor Pr/Doubleday, 1980, 275 p., illus., \$10.95. [14]

SEXUAL DIFFERENTIATION OF THE BRAIN: Based on a Work Session of the Neurosciences Research Program — Robert W. Goy and Bruce S. McEwen. Investigates the sequence of events in the developing brain that gives rise to sexually demorphic behaviors and covers the relative importance of genes, hormones and environment in the formation of sexual behavior. MIT Pr, 1980, 223 p., charts & graphs, \$17.50. [15]

STARS AND TELESCOPES FOR THE BEGINNER — Roy Worvill. Describes the various forms of different telescopes that are available to the amateur astronomer, together with the particular advantages and disadvantages of each. Provides useful guidance to the amateur astronomer beginning the exploration of the heavens. Taplinger, 1979, 102 p., illus., \$7.95. [16]

THE STRUGGLE FOR SURVIVAL: The Elephant Problem — John Hanks. The high rate of human population growth combined with the elephant's wasteful feeding habits pose a grave threat not only to the elephant but to the future of all wildlife and wildlife habitats in Africa. Concentrates on those areas of elephant biology that are relevant to elephant survival—feeding habits, body growth, reproduction, numbers and movement patterns. Mayflower Bks., 1979, 176 p., color and b&w illus., \$14.95. [17]

SURPRISES IN THEORETICAL PHYSICS — Rudolf Peierls. Presents a number of examples in which a plausible expectation is not borne out by a more careful analysis. All the surprises discussed have rational explanations. The study of such surprises can help one avoid errors in future problems. Princeton U Pr, 1979, 166 p., \$15, paper, \$3.95. [18]

WATCHING BIRDS: An Introduction to Ornithology — Roger F. Pasquier. For bird watchers who would like to know more about the birds they see, this book provides an introduction to bird biology and bird behavior. Originally published in hardback in 1977. HM, 1980, 301 p., illus., paper, \$5.95. [19]

WAVES AND BEACHES: The Dynamics of the Ocean Surface — Willard Bascom. Describes how waves and beaches behave under all kinds of conditions. The effects of waves on ships, drilling rigs and surfers are discussed, as well as how we can harness energy from the ocean. Anchor Pr/Doubleday, revised ed., 1980, 366 p., \$12, paper, \$5.95. [20]

WHY BIG FIERCE ANIMALS ARE RARE: An Ecologist's Perspective — Paul Colinvaux. A lively survey of modern ecology's central ideas written for the layman. Each chapter explores a separate theme. A bibliography is included. Princeton U Pr, 1978, 256 p., \$12, paper, \$4.95. [21]

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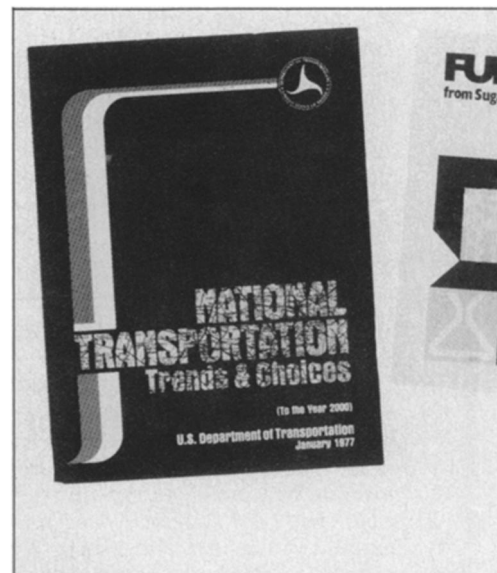
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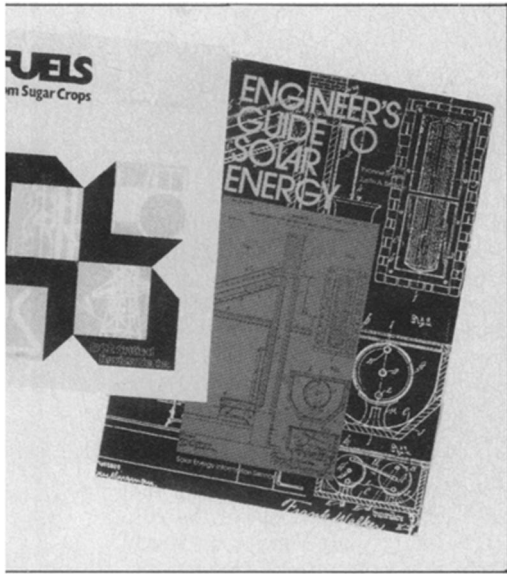
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