

BOOKS

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ANIMAL AND PLANT LIFE SPANS—Alice L. Hopf—Holiday, 1978, 142 p., illus., \$6.95. Discusses in simple language the lives of many kinds of plants and animals—insects, sequoias, reptiles, birds, bristlecone pines, elephants, apes and humans—in relation to their life spans.

BEARS—Ben East—Crown, 1977, 275 p., drawings by Tom Beecham, \$9.95. The black, brown, grizzly and polar bears—their way of life, their behavior, how they hunt and are hunted, with many accounts of encounters with humans who intruded upon the bears' domain.

THE BIOLOGY OF CRABS—G. F. Warner—Van Nos Reinhold, 1977, 202 p., illus., \$14.95. Examines numerous species of crabs, discusses anatomy and life-support systems, movement, sense organs, rhythms, life styles, feeding, behavior, life cycles of these "engaging creatures, important arthropods and model crustaceans."

CITY OF FIRE: Los Alamos and the Birth of the Atomic Age 1943-1945—James W. Kuneika—P-H, 1978, 234 p., illus., \$10.95. The dramatic story behind the creation of the atomic bomb, telling, in readable style, of the personalities, as well as the events.

COMMON-SENSE SUICIDE: The Final Right—Doris Portwood—Dodd, 1978, 142 p., \$6.95. Questions the values of a society that prolongs life beyond reason, and outlines what might be gained by recognition of the right to die for senior citizens.

DIRECTIONS IN PHYSICS: Lectures Delivered During a Visit to Australia and New Zealand, August/September 1975—P.A.M. Dirac—Wiley, 95 p., illus., \$12.95. A Nobel laureate's views on basic physical concepts, providing historical insight on their generation and consequences.

EELS: A Natural and Unnatural History—Christopher Moriarty—Universe, 1978, 192 p., illus., \$15. Begins with the mythology that surrounds these primitive creatures that are fish, and goes on to discuss the habitat, feeding, reproduction, life cycle, catching, farming and classification of fresh water and marine eels.

ENGINEERING IN THE ANCIENT WORLD—J.G. Landels—U of Cal Pr, 1978, 224 p., drawings, \$12.50. Discusses technological achievements of the Greeks and Romans to give the layman insight into the outstanding mechanical skills of these civilizations.

EVOLUTION AND THE FOSSIL RECORD: Readings from Scientific American—Introduction by Léo F. Laporte—W H Freeman, 1978, 222 p., illus., \$14; paper, \$7. Provides an overview of the evolution and history of life as recorded by the sequence of fossils preserved in the earth's crust.

THE FAMILY FORMULA BOOK—Cicely Nichols—G&D, 1978, 158 p., paper, \$4.95. How to save money by making your own household products, including foods, beauty aids, candles, cleaners,

polishers, insect repellent, fertilizers and materials for arts and crafts.

FUNDAMENTALS OF WIND ENERGY—Nicholas P. Cheremisinoff—Ann Arbor Science, 1978, 170 p., illus., \$10.95; paper, \$6.95. An overview of the potentials of wind as an energy source.

HUMAN REASONING—Russel Revlin and Richard E. Mayer—Winston & Sons (Halstead Pr), 1978, 252 p., graphs & charts, \$18.95. A summary of research on the cognitive process in human reasoning.

JANUS: A Summing Up—Arthur Koestler—Random, 1978, 354 p., \$10. Shows the dual tendency of humans to be self-assertive individuals as well as an integrated part of a larger social group as a universal characteristic. Points out that order and stability can prevail only when the two tendencies are in equilibrium.

KITES: The Gentle Art of High Flying—Susan Tyrrell—Dolp. Doubleday, 1978, 168 p., illus., paper, \$4.95. The folklore and history of kites around the world, kite materials and directions for construction of many types of kites. Also includes buying guide for kites, kite festivals and clubs across the United States.

LANGUAGE AND COGNITION IN SCHIZOPHRENIA—Steven Schwartz, Ed.—LEA (Halstead Pr), 1978, 288 p., \$18. The 12 contributors to this volume cover the breadth and variety of current approaches to the study of schizophrenic cognition and language.

LANGUAGE WITHOUT SPEECH—Ruth F. Deich and Patricia M. Hodges—Brunner-Mazel, 1978, 256 p., illus., \$12.50. Directed to teachers and parents, this book contains step-by-step procedures for training nonverbal retarded children to communicate. These procedures could be adapted for aphasic stroke patients or language-delayed children.

MEDICAL TESTS & YOU—Aaron E. Klein—G&D, 1977, 124 p., illus., paper, \$4.95. Designed to assist patients and their families in understanding the nature of diagnostic tests, how they are performed, what potential risks they carry and what benefits might accrue to the patient.

OPERATING MANUAL FOR SPACESHIP EARTH—R. Buckminster Fuller—Dutton, 1978, 143 p., paper, \$2.95. Traces human intellectual evolution and weighs our capability for survival on earth. First published in 1969.

QUASAR, QUASAR BURNING BRIGHT—Isaac Asimov—Doubleday, 1978, 240 p., \$7.95. A collection of science essays on such varied topics as why there are ice ages and how black holes came to be discovered, the foibles of humanity and interesting statistics about cities.

READINGS IN SOCIOBIOLOGY—T. H. Clutton-Brock and Paul H. Harvey, Eds.—W H Freeman, 1978, 393 p., illus., \$18; paper, \$9. Provides access to some of the most important theoretical papers leading to the birth of sociobiology, supplemented by more recent work that illustrates or elaborates the principles these papers outline.

SCIENCE BRAIN-TWISTERS, PARADOXES, AND FALLACIES—Christopher P. Jargoeki—Scribner, 1978, 183 p., diagrams by Richard Liu, paper, \$3.95. Contains more than 160 puzzles based on scientific principles, dealing with such topics as space and time, mechanics, liquids and gases, heat, geophysics and space science. A detailed solution is

given for each puzzle. Originally published in hardback in 1976.

THE SMITHSONIAN EXPERIENCE: Science-History-The Arts... The Treasures of the Nation—Smithsonian Institution—Distributed by Norton, 1978, 256 p., b&w and color photographs, \$19.95. Captures the Smithsonian—an institution that encompasses, among others, a natural history museum, a national portrait gallery, an air and space museum, a zoo, an Oriental art museum, an annual folk festival, a museum of history and technology and an active research program. Beautiful color photographs and interesting essays give a glimpse of the glories of the Smithsonian.

SOLAR ARCHITECTURE: Proceedings of the Aspen Energy Forum 1977—Ann Arbor Science, 1978, 331 p., illus., \$15. Emphasizes passive solar design, which requires no external mechanical power to move heat.

SOUNDS OF MUSIC—Charles Taylor—Scribner, 1978, 183 p., illus., \$15.95. An introduction for the layman to the physics of sound and music written around the central theme of the journey that sound waves make from the moment at which they are created until finally they evoke responses in our brains.

SUN ANGLES FOR DESIGN—Robert Bennett—published by author, 1978, 76 p., illus., paper, \$5. Presents sun angle data in easily usable form. Charts simulate the sun's motion across the sky and show its position for any time of day and any day of the year. For architects, engineers and designers concerned with energy conservation and solar design.

THE TWENTY-NINTH DAY: Accommodating Human Needs and Numbers to the Earth's Resources—Lester R. Brown—Norton, 1978, 363 p., charts & graphs, \$11.95; paper, \$3.95. This Worldwatch Institute book documents the increasing frequency with which human claims are outstripping the substantial yields of the earth's principal biological systems—oceanic fisheries, grasslands, forests and croplands. These systems not only provide all our food but also provide much of the raw materials for industry.

UNUSUAL VEGETABLES: Something New for This Year's Garden—Anne Moyer Halpin, Ed.—Rodale Pr, 1978, 443 p., drawings by Cynthia Hellyer, \$12.95. Information needed to grow these vegetables, which are arranged alphabetically. Includes some history and folklore, a description of each plant's growing habits, climatic preferences and instruction for growing and harvesting.

A WAY WITH ANIMALS—Bruce Buchenholz—Viking Pr, 1978, 144 p., illus., \$12.95. A wide range of fascinating relationships is explored in prose and photographs, such as a camel and his Bedouin trainer, a rabbit that has the run of a nursery school, a psychologist who lives with a gorilla that she has taught sign language and a Ceylonese elephant mahout.

WHERE TO WATCH BIRDS IN EUROPE—John Gooders—Taplinger, 1978, 299 p., illus., \$10.95. Tells where to see the most accessible Alpine swifts from Amsterdam or the white-winged black terns nearest to Frankfurt. An introduction to the best birdwatching sites in 27 countries.

YOU CAN FIGHT CANCER AND WIN—Jane E. Brody with Arthur I. Holleb—McGraw, 338 p., illus., paper, \$4.95. Examines methods for the prevention, detection and treatment of cancer, and tells how cancer can be prevented in many cases, cured in others and its side effects modified. Originally published in hardback in 1977.