# ENCE NEVS AUGUST 23, 1980 VOL. 118, NO. 8 Calcium **Branches** Out

BUILD-IT-YOURSELF NATURAL ENERGY SOURCES: Solar, Wind and Water Power Made Easy—Richard E. Pierson. To help you build your own solar energy power system in the most economical way. Included are designs, parts, lists and detailed instructions. Originally published in hardback as Technician's and Experimenter's Guide to Using Sun, Wind and Water Power. Parker (P-H), 1979, 268 p., illus., paper. \$3.95. [1]

THE CAMBRIDGE ENCYCLOPEDIA OF ARCHAEOLOGY — Andrew Sherratt, Ed. A comprehensive review of archaeology on a global scale using a thematic approach, with each chapter written by a specialist in the region and period. This beautifully illustrated volume gives a worldwide account of the emergence and the human species up to the expansion of medieval Europe. Crown/Cambridge U Pr. 1980, 495 p., color and b&w illus., \$35. [2]

CARNIVOROUS PLANTS — Adrian Slack. Most carnivorous plants stand alone in the plant world, not only in their unique way of supplementing their nutrition but in the extraordinary way their leaves have evolved from our idea of a typical leaf blade in order to catch and feed on animals. A beautiful book describing and illustrating carnivorous plants of the entire world. MIT Pr, 1980, 240 p., color and b&w illus., \$19.95. [3]

COMPUTERS IN MATHEMATICS: A Sourcebook of Ideas — David H. Ahl, Ed. A collection of articles from CREATIVE COMPUTING magazine for mathematics teachers and those computer hobbyists interested in mathematics problems. Computer literacy and selection of a microcomputer are discussed, in addition to materials and problems for use in the mathematics classroom or or self-teaching at home or at school. Creative Comp, 1979, 213 p., illus., paper. \$15.95. [4]

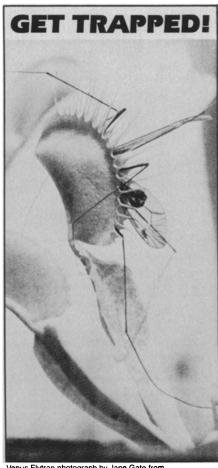
DINOSAURS AND THEIR LIVING RELATIVES — British Museum (Natural History). Sets out to discover how dinosaurs are related to other animals — both living and extinct. Based on a recently installed exhibit at the British Museum (Natural History). Cambridge U Pr, 1980, 72 p., color and b&w illus., \$14.95, paper, \$5.95. [5]

DORLAND'S MEDICAL DICTIONARY: Shorter Edition — Introduction by Franz J. Ingelfinger. The shorter edition of this well-known medical dictionary was written expressly for the general public. The public is getting increasingly involved in health care and, therefore, must become acquainted with the language of medicine. Saunders Pr (HR&W), 1980, 741 p., color illus., \$12.95. [6]

THE ESSENTIAL GUIDE TO PRESCRIPTION DRUGS — James W. Long. This book is intended to be a source of basic information about the most commonly used prescription drugs. Gives such data as year introduced, brand names, how the drug works, side effects, use during pregnancy and while nursing an infant and possible effects of extended use. Includes an index of 1,446 brand and 212 generic names. Har-Row, revised ed., 1980, 863 p., \$25, paper, \$8.95. [7]

HANDGUIDE TO THE CORAL REEF FISHES OF THE CARIBBEAN: And Adjacent Tropical Waters including Florida, Bermuda and the Bahamas—F. Joseph Stokes. The 460 species described are the ones the snorkler and diver are most likely to see. The illustrations by Charlotte C. Stokes are in color. Lippincott/Crowell, 1980, 160 p., color illus., \$9.95. [8]

THE HIGH BLOOD PRESSURE BOOK: A Guide for Patients and Their Families — Edward J. Fries and Gina Bari Kolata, foreword by Robert J. Glaser. Written to complement the information given the patient by his or her physician. Explains the current thinking among medical experts on high blood pressure — what it is, why it is dangerous, how it is treated and the possible side effects of the medication. Painter Hopkins (Dutton), 1979, 152 p., illus., \$12.95. [9]



Venus Flytrap photograph by Jane Gate from Carnivorous Plants by Adrian Slack. Courtesy of MIT Press.

JOHN BARLING'S SOLAR FUN BOOK: 18 Projects for the Weekend Builder — John Barling. Demonstrates how the sun's heat can be used in a number of fascinating and effective ways by anyone with a handyman's approach and some basic tools. Detailed plans are given for cooking devices, water and air heaters, food-producing devices and a variety of other solar devices. Brick Hse Pub, 1979, 120 p., illus., paper, \$7.95. [10]

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LIFE-SPANS: Or How Long Things Last — Frank Kendig and Richard Hutton. A fascinating book about the human lifespan, the lifespan of animals, celestial bodies and geologic formations — where our concepts of time must expand. The lifespans of food and beverages are discussed together with manufactured products. Where possible, tips as to how lifespans might be extended are included. HR&W, 1980, 265 p., \$12.95, paper, \$5.95.

MALIGNANT NEGLECT — Joseph H. Highland, Marcia E. Fine and Robert H. Boyle. Written by Boyle and staff members of the Environmental Defense Fund to show which chemicals are cancercausing agents, how serious they are, what carelessness and neglect have done and are doing to increase cancer rates. Suggestions are made as to what individuals can do to protect themselves and generations to come. Random, 1979, 275 p., \$10, paper, \$3.95. [12]

SEEING: Illusion, Brain and Mind — John P. Frisby. A book for the general reader on the fundamental nature of seeing the workings of the visual system, together with beautiful illustrations and a host of visual illusions, some of which are to be viewed through the 3-D glasses provided with the book. Oxford U Pr. 1979, 160 p., color and b&w illus., \$16.95. [13]

SHOCK-TRAUMA — Jon Franklin and Alan Doelp. Severe trauma frequently results in shock, a condition that leads to death if not treated shortly after the critical injury. This is the story of the Maryland Institute for Emergency Medical Services Systems and its founder, R. Adams Cowley, and the service it performs for severely injured patients in Maryland. St. Martin, 1980, 246 p., illus., \$9.95. [14]

SPHERICAL MODELS — Magnus J. Wenninger. Intended to show explicitly the relationship between polyhedrons and geodesic domes and how models of such domes can be made in paper. Many interesting spherical forms are presented, not only the regular and semiregular shapes, but star-faced spherical models as well. The mathematics involved is elementary. Cambridge U Pr, 1979, 147 p., color and b&w illus., \$22.50, paper, \$8.95. [15]

THE STARGAZER'S BIBLE — W. S. Kals. Naked-eye observing and optical aids for stargazing are discussed for the beginning star watcher. A novel system is outlined for finding or identifying stars for observers roughly between the tropics and the Arctic. Doubleday, 1980, 168 p., illus., paper, \$3.50. [16]

WELCOME THE BIRDS TO YOUR HOME—Jane and Will Curtis. The story of how one family created a thriving bird habitat. Includes many practical ideas on building feeders, where to place them, how to landscape for birds and how to photograph them. Greene, 1980, 154 p., illus. by John Sill, \$9.95, paper, \$5.95. [17]

WHAT YOU SHOULD KNOW ABOUT MEDICAL LAB TESTS—Bernard Kliman et al. A guide to testing techniques and to the information your doctor looks for when ordering a medical laboratory test or a battery of tests. Written for the layman by an internist and a biochemist who is general manager of a medical testing laboratory. T Y Crowell, 1979, 207 p., \$10.95. [18]

WORLD CLIMATE: The Weather, the Environment and Man — T. F. Gaskell and Martin Morris. A concise survey of weather and climate — what is known and what is still supposition and theory. Describes and illustrates the complex interaction of sun and earth, the continual restless churning of the atmosphere that makes the weather and the million-year-old fluctuations in climate. Thames Hudson, 1979, 144 p., illus., \$14.95. [19]

YOU AND YOUR HEARING: How to Protect It, Preserve It, and Restore It—Arthur S. Freese. Explains the ears and the process of hearing and gives advice on prevention and cure of disorders of and defects in the ears and hearing. Scribner, 1979, 184 p., illus., \$10. [20]

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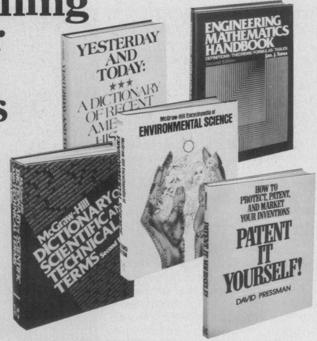
American Scientist. 1,848 pp., 2,862 illus., \$42.50

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