

books OF THE WEEK

Books of the Week is an editorial service for readers' information. To order any book listed, or any U.S. book in print, please remit retail price, plus 25% handling charge for each book to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. All books sent postpaid.

ADVANCED FIRST AID AFLOAT—Peter F. Eastman, M.D.—Cornell Maritime Press, 1972, 127 p., photographs, drawings, paper, \$3.75. Experienced surgeon and life-long sailor offers clear descriptions of common serious injury and illness with extensive first-aid advice for the off-shore cruising sailor or isolated skipper. Includes relevant seafaring experiences and rapid-reference drawings.

AGGRESSION IN MAN AND ANIMALS—Roger N. Johnson—Saunders, 1972, 269 p., illus., paper, \$3.95. Brings together contributions to the understanding of aggressive behavior from many disciplines—ethology, behavioral biology, genetics, neurophysiology, endocrinology, psychiatry, anthropology, sociology, criminology, political science and psychology.

BEGINNER'S GUIDE TO HYDROPONICS: Soilless Gardening—James Sholto Douglas—Drake Pubs., 1972, 156 p., colorplate, photographs, drawings, \$5.95. Explains how plants grow, how the hydroponic process works, and gives specific instructions for setting up soilless gardens for a variety of crops at home.

THE BEHAVIOR OF ANIMALS—Jiro Kikawa and Malcolm J. Thorne—Taplinger, 1972, 223 p., plates, drawings, \$7.95. An introduction to the scientific study of ethology, the methods used, control systems and their evolution in both invertebrates and vertebrates, stereotyped behavior, learning processes and social organization.

BIOLOGY TODAY—CRM Books, 1972, 1,056 p., 1,031 illus., fold-out plates in color, \$14.95. An inviting presentation of the many advances in the life sciences, from perception at the molecular level, cell structure and tissues, genetics, and development, to biological behavior, the human organism and the environment.

COMMON WEEDS OF THE UNITED STATES—Prepared by the Agricultural Research Service of the U.S. Department of Agriculture—Dover, 1972, 463 p., 222 full-

page drawings, distribution maps, paper, \$4.50. Identification handbook illustrates and describes 224 species selected for their prevalence in U.S. croplands, grazing lands, meadows, lawns and aquatic sites.

THE CROWDING SYNDROME: Learning to Live with Too Much and Too Many—Caroline Bird—McKay, 1972, 337 p., \$7.95. Puts into readable form the widely discussed consequences of overloading the social and economic system, and considers the alternatives.

CYCLIC AMP AND CELL FUNCTION—G. Alan Robison, Gabriel G. Nahas and Lubos Triner, Eds.—N.Y. Acad. of Sciences, Annals, Vol. 185, 556 p., illus., paper, \$29. Series of papers dealing with formation, metabolism and chemical properties of cyclic AMP, cellular metabolism, production and release of hormones, and the role of cyclic AMP in secretion, muscle and platelet function, and nerve tissue.

DIGITAL ELECTRONICS: Principles and Practice—Brice Ward—TAB Bks., 1972, 288 p., illus., \$8.95; paper, \$5.95. Discusses the theory of various types of digital circuitry, followed by experiments which parallel the explanations combining circuits such as gates, counters, encoders and decoders, including a home-built logic trainer.

FIBER OPTICS—M. P. Lisitsa, L. I. Berzhinskii and M. Ya. Valakh, transl. from Russian—I.P.S.T. (Wiley), 1972, 272 p., illus., \$20. Treats the elements and principles of geometrical and wave optics, the propagation of light in thick and in thin fibers, the manufacture of glass fiber and quality control, and the application of fibers in optical systems, from astronomy to medical diagnostic instruments.

FISHES OF NORTH AMERICA—Earl S. Herald—Doubleday, 1972, 254 p., 140 photographs (88 in color), \$9.95. Diving biologist surveys the habits of the major fish families in North America's inland waters, and on its Atlantic, Pacific and Gulf coasts, from sharks to gars, from toadfish to sheephead and eels.

THE FOUNDATION ADMINISTRATOR: A Study of Those Who Manage America's Foundations—Arnold J. Zurcher and Jane Dustan—Russell Sage Foundation, 1972, 187 p., tables, \$8.95. A systematic study and analysis of those individuals who derive their livelihood and professional satisfactions from foundation employment above the clerical level.

THE FUTURE OF MARRIAGE—Jessie Bernard—World Pub. Co., 1972, 367 p., \$9.95. Sociologist explores the structure of the marital union, from the husband's and from the wife's point of view, commitment and contract, structured strains, new patterns evolving, shared-role cooperative households, and other options for living arrangements.

AN INTRODUCTION TO HOMINOLOGY: The Study of the Whole Man—Theodore C. Kahn—Thomas, C. C., 1972, 2nd ed., 384 p., illus., \$12.50. Compares man with, and evalu-

ates him in relation to, other species, gives a framework for psycho-social-cultural assessment, man's developmental levels and moral values.

KNOWING THE OUTDOORS IN THE DARK—Vinson Brown—Stackpole, 1972, 191 p., drawings by Phyllis Thompson, maps, \$6.95. About the rewards and skills of exploring animal activity outdoors at night with sharpened senses and aids, how to recognize the different species, how to listen to sounds, and how to perfect a sense of direction. Geographical range maps included.

MATHEMATICS IN THE TIME OF THE PHARAOHS—Richard J. Gillings—MIT Press, 1972, 288 p., \$25. Study deals with hieroglyphic and hieratic numbers, and demonstrates how the elaborate structure of ancient Egyptian mathematics was based on their complete knowledge of the *twice-times table* and their ability to find *two-thirds of any number*, whether integral or fractional.

MEDITATIONS ON HUNTING—José Ortega y Gasset, transl. from Spanish by Howard B. Wescott, introd. by Paul Shepard—Scribner, 1972, 152 p., illus. by Lewis S. Brown, \$9.95. Originally written in 1942, explores the historical, anthropological and philosophical relationship between hunting and man's nature.

THE NIAGARA—Donald Braider—Holt, 1972, 294 p., illus., maps, \$8.95. Gives a lively account of the turbulent 35-mile-long river, its history, geology, limnology and ecology.

199 ELECTRONIC TEST AND ALIGNMENT TECHNIQUES—Art Margolis—TAB Bks., 1972, 224 p., photographs, diagrams, \$7.95; paper, \$4.95. A quick-reference guide to tests and adjustments in categories ranging from AM and FM radio troubles, to intercoms and auto ignition systems.

OUR OWN METAPHOR: A Personal Account of a Conference on the Effects of Conscious Purpose on Human Adaptation—Mary Catherine Bateson—Knopf, 1972, 338 p., diagrams, \$8.95. Anthropologist communicates in narrative form the process, conversations and debates at an interdisciplinary conference considering aspects of man's relation to his environment.

PERCEPTION: MECHANISMS AND MODELS: Readings from SCIENTIFIC AMERICAN—Introd. by Richard Held and Whitman Richards—Freeman, W. H., 1972, 390 p., 289 illus., \$12; paper, \$5.95. Collection of 39 articles on topics of perceptual organization, sensory systems, physiological analyzers, illusions, and modification of perception.


PRESCHOOL PROGRAMS FOR THE DISADVANTAGED: Five Experimental Approaches to Early Childhood Education—Julian C. Stanley, Ed.—Johns Hopkins Univ. Press, 1972, 203 p., \$8.50; paper, \$2.95. Proceedings of the First Annual Hyman Blumberg Symposium on Research in Early Childhood Education.

THE PSYCHOLOGISTS, Vol. I—T. S. Kraviec, Ed.—Oxford Univ. Press, 1972, 376 p., photographs, \$8; paper, \$3.95. Autobiographical accounts bring insight into the formative years, research, special contributions and associations of 12 distinguished psychologists from various areas of teaching and research. Full bibliographies are included.

QUESTIONS AND ANSWERS ON DIESEL ENGINES—J. N. Seale—Drake Pubs., 1972, 128 p., 100 drawings, \$2.95. Presents the operating engineer and students of Diesel engines with concise information on principles of operation, engine types, starting methods, pump systems, governors, fuel injectors and filters.

ROCKY MOUNTAIN FLORA—William A. Weber—Colo. Assoc. Univ. Press, 1972, 438 p., color plates, 346 drawings, \$8.95. A field guide for the identification of the ferns, conifers and flowering plants of the Southern Rocky Mountains from Pikes Peak to Rocky Mountain National Park and from the plains to the Continental Divide.

ENVIRONMENTAL EQUIPMENT CATALOG—FREE




For your copy of new 448-page Catalog 20. Write: **Forestry Suppliers, Inc.** P. O. BOX 8397 205 W. RANKIN STREET JACKSON, MISSISSIPPI 39204



MODELS all kinds

SRM INC. BOX 1422 W JANESVILLE WISCONSIN 53545

WATER ANALYSIS, CHEMICAL & BACTERIAL, all by mail, **FOR ONLY \$24.00**—Write for our **FREE** mailing kit, instructions, and sample analysis form. **WATER LAB**—PO Box 8025-A, Orlando, Fl. 32806



FIND OUT HOW YOU CAN RECEIVE AN INTERESTING AND DIFFERENT MINERAL SPECIMEN EACH MONTH! Write to: MINERAL OF THE MONTH CLUB, BOX 487-SO, YUCAIPA, CALIF. 92399

ENVIRONMENTAL SCHOOL

Full-year and summer programs
Co-ed—16-26

Focus on real problems. Write for a catalog.

HABITAT
Box 136S, Belmont, Mass. 02178