

BOOKS

BOOKS 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. Street, N.W., Washington, D.C. 20036. All books sent postpaid.

ANIMAL BEHAVIOR: Readings from SCIENTIFIC AMERICAN—Thomas Eisner and Edward O. Wilson, Eds.—W. H. Freeman, 340 p., photographs, drawings, diagrams, \$13; paper, \$7.95. Collection of ethological studies illustrating whole patterns of behavior and their functions, from control mechanisms at cellular level to adaptability through learning.

ANNUAL REVIEW OF PLANT PHYSIOLOGY, Vol. 26—Winslow R. Briggs, Paul B. Green and Russell L. Jones, Eds.—Annual Reviews, 1975, 538 p., diagrams, tables, \$15. Reviews cover plasmodesmata, tree photosynthesis, chlorophyll-proteins, plant sterols, stomatal action, membrane biogenesis and many more topics of current research.

BEEES AND BEEKEEPING—Roger A. Morse—Cornell U Pr, 1975, 295 p., photographs, drawings, \$13.50. Designed to answer questions about the science of apiculture, gives detailed biological information and the scientific background of beekeeping practices.

THE BIBLE DATES ITSELF—Arthur Earle—Earle, 1974, 288 p., illus., tables, \$12.50. Intricate and intriguing exploration of numerals, dates and counting systems in the Old Testament, correlated with historical dates from Egypt, Sumer, Syria and Assyria. Author's linguistic-mathematical probing throws light on inconsistencies in the chronological framework.

BORNE ON THE WIND: The Extraordinary World of Insects in Flight—Stephen Dalton; John Kings, Ed.—Reader's Digest Pr (Dutton), 1975, 160 p., 74 color plates by author, b&w photographs, drawings, \$18.95. Details from high-speed motion-picture photographs reveal the unique properties, mechanics and aerodynamics of dragonflies, butterflies, beetles, bees and other insects in flight.

FORAGING FOR DINNER: Collecting and Cooking Wild Foods—Helen Ross Russell—Nelson, 1975, 255 p., illus. by Doris Shilladay Ross and Robert S. Russell, paper, \$5.95. From rose to day lilies, firethorn to lamb's-quarter pigweed, book gives accurate and detailed information.

Book Authors!

Join our successful authors in a complete and reliable publishing program on a subsidized basis; publicity, advertising, handsome books. Send for FREE report on your manuscript & copy of *How To Publish Your Book*.

CARLTON PRESS, Dept. XNS
84 Fifth Ave., New York, 10011



FIRST NEW SYSTEM OF CALCULUS IN 300 YEARS

"Exciting for its content and presentation. Throughout, this book exhibits a clarity of vision characteristic of important mathematical creations. Clear, concise, and very readable." *Journal of the Optical Society of America*. Send stamped-addressed envelope to Box 240, Rockport, Mass. 01966.

FROM SCIENTIFIC SEARCH TO ATOMIC INDUSTRY: Modern Problems of Atomic Science and Technology in the USSR—A. M. Petrosyants, transl. from Russian—Interstate, 1975, 369 p., photographs, tables, \$17.90. Gives a Soviet view of their nuclear engineering achievements, from accelerators to power reactors to isotope utilization.

FUELS, MINERALS AND HUMAN SURVIVAL: An Inquiry Concerning the Future of Our Industrial Society—Charles B. Reed—Ann Arbor Science, 1975, 200 p., diagrams, tables, \$12.50. An outspoken opponent to atomic fission, the author proposes alternate energy systems, and discusses the 30 resource depletion curves presented.

THE ELECTRONIC CRIMINALS—Robert Farr—McGraw, 1975, 213 p., \$8.95. Discusses the techniques and describes actual cases of modern technological thieves, their victims, and the social climate which encourages them to operate so successfully.

LEARNING ENVIRONMENTS—Thomas G. David and Benjamin D. Wright, Eds.—U of Chicago Pr, 1975, 243 p., photographs, \$10. Focuses on the physical environment built for the purpose of learning through doing, to facilitate instructional goals, invite the child's exploratory activity.

MOLECULAR AND ENVIRONMENTAL ASPECTS OF MUTAGENESIS—Louise Prakash et al, Eds.—C. C. Thomas, 1975, 304 p., diagrams, tables, \$24.50. Conference papers deal with the action of chemical agents on DNA, mutagenesis in micro-organisms, in mammalian systems at the cellular level, and in whole animals.

PLANT A TREE: A Working Guide to Regreening America—Michael Weiner—Macmillan, 1975, 282 p., photographs, drawings, maps, \$15.95. On the importance of trees in general, contains state-by-state list for selecting trees, gives clear instructions on planting and maintenance, and tabulated data on more than 170 different species.

THE PLANT HUNTERS—B. J. Healey—Scribner, 1975, 214 p., photographs, \$8.95. Narrative tells about plant explorers and the hazards they faced to collect the exotic plants which are now grown in gardens all over the world.

ROCK ART IN NEW MEXICO—Polly Schaafsma—U of NM Pr, 1975, 221 p., 169 photographs by Karl Kernberger and Curtis Schaafsma, drawings, maps, paper, \$8.50. Comprehensive survey of the carvings and paintings on stone left by prehistoric peoples throughout the state of New Mexico, presented by geographic area.

SEASHELL: Collectors' Handbook and Identifier—Sonia Bennett Murray—Sterling, 1975, 240 p., 330 color photographs by Gilbert L. Murray, Jr., drawings, \$6.95. Covers the shells of the coasts of the Americas.

SOVIET WOMEN—William M. Mandel—Anchor Pr/Doubleday, 1975, 350 p., photographs, paper, \$3.50. Gives a representative view of Soviet women today—the woman worker, the professional, farm women, family life, child-rearing, grandmothers, and responses from individuals.

THE SUN-HEATED INDOOR/OUTDOOR ROOM for People, for Plants—Jack Kramer—Scribner, 1975, 122 p., photographs, drawings by Adrian Martinez, \$8.95. Explains design, solar angles, construction and furnishing of garden rooms, solariums, sun-heated lean-to's, geodesic-dome greenhouses, and masonry summerhouses, for cold and hot climates.

THE VANISHING LICHENS: Their History, Biology and Importance—Hafner Pr (Macmillan), 1975, 231 p., photographs, drawings, maps, tables, \$12. A readable account addressed to layman and potential lichenologist, presents the natural history of the slow-growing symbiotic fungi, their uses, habitat destruction and conservation.

WAGES WITH THE WIND: The Don Sheldon Story—James Greiner, foreword by Bradford Washburn—Rand, 1975, 256 p., photographs, map, \$8.95. Among the first pilots to perfect mountainside glacier landings, Sheldon made highrisk mountain flying in Alaska his full-time job, flying and saving teams of mountain climbers when disaster struck.

TEXTBOOKS

AQUATIC MICROBIOLOGY—G. Rheinheimer—Wiley, 1975, 184 p., photographs, tables, \$11. Text serves as an up-to-date survey of our present knowledge of aquatic bacteria and fungi and their role in the life of lakes, rivers and seas.

ENERGY: Resource, Slave, Pollutant—Robert S. Rouse and Robert O. Smith—Macmillan, 1975, 539 p., photographs, drawings, \$12.95. A one-semester physical science text for the nonscience major.

INTRODUCTION TO MODERN VIROLOGY—S. B. Primrose—Halsted Pr, 1975, 140 p., photographs, diagrams, paper, \$5.95. Treatment places emphasis on the biochemical and genetical aspects, discussing a limited range of viruses in some depth.

NATURAL RESOURCE CONSERVATION: An Ecological Approach—Oliver S. Owen—Macmillan, 1975, 2nd ed., 700 p., photographs, drawings, maps, \$13.95. Informally written, revised text uses the perspective of ecology to introduce the reality of America's resource and environmental problems, and the techniques and methods needed to solve these problems.

THE NATURE OF PHYSICS—Peter J. Branczoz—Macmillan, 1975, 768 p., photographs, diagrams, \$14.95. While covering the principal areas of physics, text is mainly designed to teach the fundamental concepts of physics to nonscience majors.

POLYMER CHEMISTRY: An Introduction—Malcolm P. Stevens—A-W, 1975, 473 p., diagrams, tables, \$25; paper, \$17.50. Text for the graduate or advanced undergraduate student, emphasizes the organic chemistry of vinyl and nonvinyl polymers, including modern concepts of reaction mechanisms and stereochemistry.

POSITIONAL ASTRONOMY—D. McNally—Halsted Pr, 1975, 388 p., diagrams, \$15.95. Text for undergraduates, aims at developing an understanding of what is involved in such diverse phenomena as refraction in the earth's atmosphere, parallax, aberration, precession, proper motion, eclipse calculation, and motion under gravity.

PSYCHOPHARMACOLOGY: A Biological Approach—Robert A. Levitt—Halsted Pr, 1975, illus., tables, \$17.50. Advanced text offers a comprehensive review of behaviorally active drugs with emphasis on the psychological understanding of their action.

STATISTICS AND ECONOMETRICS: A Problem-Solving Text—Barry R. Chiswick and Stephen J. Chiswick—Univ Park, 1975, 270 p., diagrams, tables, paper, \$10.95. Covers the principles and procedures of descriptive statistics, probability and hypothesis testing, simple and multiple regression analysis.