
New Books

New 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.

ANNUAL REVIEW OF EARTH AND PLANETARY SCIENCES, Vol 2—Fred A. Donath, Francis G. Stehli and George W. Wetherill, Eds.—Annual Reviews, 1974, 478 p., illus., \$12. Critical review articles on topics ranging from the physical chemistry of seawater, to solar system sources of meteorites.

ARCHAEOLOGICAL DECIPHERMENT: A Handbook—E. J. W. Barber—Princeton U Pr, 1974, illus., glossary, \$15. Written for the archaeologist faced with some undeciphered texts. Discusses relevant aspects of archaeology, linguistics and computer aids.

ENERGY: The New Era—S. David Freeman—Walker, 1974, 386 p., \$14.50. An analysis of how the energy crisis has been building up, a thorough assessment of the problems and approaches to their solutions, with suggestions for a national policy for the future.

EXPLORING THE REEF—Robert P. L. Straughan—A S Barnes, 1974, 9x12, rev. ed., 298 p., color plates, 300 photographs by author, \$17.50. Introduces the reader to that underwater oasis teeming with a multitude of creatures and coral, as seen by the deep-sea photographer.

FACING STARVATION: Norman Borlaug and the Fight Against Hunger—Leonard Bicket—Readers Digest Pr (Dutton), 1974, 376 p., \$8.95. Biography of the Nobel Peace Prize winner whose research made possible the Green Revolution.

FOCAL POINTS: A Global Strategy—George Borgstrom—Macmillan, 1973, 320 p., diagrams, maps, tables, \$8.95. Leading international authority on food utilization and world nutrition focuses attention on the world's high-pressure regions, on the food-producing potential of certain areas, and concludes with outlining the main elements of a coordinated global program.

FOR EVERYONE A GARDEN—Moshe Safdie, Judith Wolin, Ed.—MIT Pr, 345 p., 170 photographs, drawings, \$25. Illustrates and discusses such pioneering architectural projects as the three-dimensional community, habitats, resort clusters on lake sites, hillside cluster houses, habitat infrastructure, climate control, and planning a factory.

THE GENETIC BASIS OF EVOLUTIONARY CHANGE—R. C. Lewontin—Columbia U Pr, 1974, 346 p., illus., \$12.50; paper, \$4.50. Expanded lectures on the nature of genetic diversity among organisms, the struggle to measure variation, the genetics of species formation, the paradox of variation, and the genome as unit of selection.

THE GREAT BARRIER REEF—Isobel Bennett—Scribner, 1974, 10x12, 183 p., color plates, photographs by author, maps, \$17.50. A marine biologist's handsome and comprehensive presentation of Australian marine life and the ecology of the Great Barrier Reef zone.

THE GREAT WHALES—Faith McNulty—Doubleday, 1974, 100 p., drawings by Richard Cuffari, \$4.95. A highly readable, informative account of the natural history and behavior of the

huge and intelligent air-breathing mammals of the sea.

HANDBOOK OF MATHEMATICAL CALCULATIONS: For Science Students and Researchers—Karen Assaf and Said A. Assaf, introd. by Keith M. Hussey—Iowa St U Pr, 1974, 324 p., diagrams, tables, \$19.50. Presents material on the basic concepts of mathematics in the fundamental and applied sciences in a clear and concise manner.

THE HEART by 18 Authors—Jesse E. Edwards, Maurice Lev, and Murray R. Abell, Eds.—Williams & Wilkins, 1974, 368 p., illus., tables, \$21.50. Pathologic studies concern advances in a variety of specific subjects dealing with acquired diseases of the circulatory system and cardiovascular malformations.

HUNTING FOR FOSSILS: A Guide to Finding & Collecting Fossils in All Fifty States—Marian Murray—Collier Bks. (Macmillan), 1974, 348 p., illus., paper, \$2.95. Reprint (1967), informative guide for the serious amateur.

IDEAS OF THE THEORY OF RELATIVITY: General Implications from Physics to Problems of Society—Mendel Sachs—IUP (Halsted Pr), 1974, 190 p., \$9.95. Monograph discusses how a single axiom, the principle of relativity, can lead logically to a theoretical structure of tremendous predictive capacity, verified by observations ranging from the microscopic range of particle physics to cosmological intergalactic distances.

INSTALLING TV & FM ANTENNAS—Leo G. Sands—TAB Bks, 1974, 168 p., 158 illus., \$7.95; paper, \$3.95. Practical guide for the home handyman and the neophyte technician who wants to know how to select and install antennas.

INTO THE OCEAN WORLD: The Biology of the Sea—Ritchie Ward—Knopf, 1974, 348 p., 50 photographs, illus., \$10. Introduces the layman to the scientific world of the great marine biologists, tells of their explorations and the important discoveries they made.

ISLAND BIOLOGY—Sherwin Carlquist—Columbia U Pr, 1974, 670 p., photographs, drawings, \$25. Comprehensive investigation of the ecological adaptation and morphological diversification of insular flora and fauna, deals with long-distance dispersal, adaptive radiation, insular woodiness, and loss of dispersibility.

MATHEMATICS EDUCATION IN CHINA: Its Growth and Development—Frank Swetz—MIT Pr, 1974, 364 p., \$15. Outlines the trends in mathematical education at the primary and middle school levels in China from 1860 to 1970, with emphasis on developments under the communist government.

MUSHROOM POCKET FIELD GUIDE—Howard E. Bigelow—Macmillan, 1974, 126 p., 64 color plates, pictorial glossary, \$3.50. Authoritative concise guide clearly identifying edible, poisonous and questionable mushrooms in woodland and meadow.

THE NATIONAL FACULTY DIRECTORY 1974, Vols. 1: A-LAN CZ, Vol. 2: LANDS-Z—Gale, 1974, 2,078 p., \$85.00. An alphabetical list with addresses of about 400,000 faculty members at junior colleges, colleges and universities in the United States.

THE NEW SEX THERAPY: Active Treatment of Sexual Dysfunctions—Helen Singer Kaplan, M.D.—Brunner/Mazel, 1974, 560 p., illus., \$17.50. Comprehensive volume covers the anatomy and physiology of the sexual response, the role of hormones and the brain,

the biological and psychological causes of sexual dysfunction, and principles and procedures of sex therapy.

THE NEXT TEN THOUSAND YEARS: A Vision of Man's Future in the Universe—Adrain Berry, introd. by Robert Jastrow—Sat Rev Pr, 1974, 250 p., \$8.95. A highly speculative forecast of possible developments in science and technology, many based on ideas, theories and developments that did not exist a decade or so ago.

PULMONARY REACTIONS TO ORGANIC MATERIALS—Kaye H. Kilburn, Ed.—NY Acad. of Sci, Annals, Vol. 221, 1974, 390 p., illus., paper, \$28. Papers deal with assessing specific cases and occupational groups, the chemical nature of agents and airway response, defenses of the distal lung, and acute and chronic inflammation.

THE SATURDAY MORNING GARDENER: A Guide to Once-a-Week Maintenance—Donald Wyman—Macmillan, 1974, rev. ed., 400 p., illus., map, tables, \$7.95; paper, \$2.95. To give the home gardener time to enjoy his garden, horticulturist discusses lay-out, short-cuts and aids to maintenance, and lists 900 low-maintenance plants for every location and purpose.

TO IRRIGATE A WASTELAND: The Struggle to Shape a Public Television System in the United States—John W. Macy, Jr., foreword by Newton N. Minow—U of Cal Pr, 1974, 186 p., \$6.95. Study comprises a capsule history of American public broadcasting, an inside account of recent developments, of financing without commercials, free of partisan control.

A TRAVELER'S GUIDE TO NORTH AMERICAN GARDENS—Harry Britton Logan—Scribner, 1974, 260 p., color plates, photographs, \$15. Describes nearly 1,300 gardens in the United States and Canada.

THE URBAN ORGANISM: The City's Natural Resources from an Environmental Perspective—Spenser W. Havlick—Macmillan, 1974, 515 p., photographs, diagrams, maps, \$12.95. Examines through regional case studies the impact of urban growth on the use and abuse of natural resources, and considers the mechanisms which can blend nature, man, society, buildings and networks to serve the human community as a whole.

VIDEO TAPE RECORDERS—Harry Kybett—Sams, 1974, 352 p., illus., paper, \$8.95. A basic text about the helical vtr's, from fundamentals to numerous examples of electronic circuits and mechanical systems in currently available machines.

THE WANKEL ROTARY ENGINE: Introduction and Guide—Harris Edward Dark—Indiana U Pr, 1974, 145 p., illus., \$6.95. Describes how the rotary differs from the piston engine, the development of Wankel's rotary, the improvements made by Mazda, and the steps taken by the U.S. automotive industry.

WHO'S WHO IN CONSULTING: A Reference Guide to Professional Personnel Engaged in Consultation for Business, Industry and Government—Paul Wasserman and Janice McLean, Eds.—Gale, 1973, 2nd ed., 1,030 p., \$45. Offers biographical information about more than 7,500 individuals who perform consulting activities, both full-time and occasional.

THE WILDERNESS HANDBOOK—Paul Petzoldt—Norton, 1974, 286 p., photographs, \$7.95. Contains a lifetime of experience in techniques to increase physical stamina, prepare for safe and efficient camping and climbing, with specific advice for groups exploring the wild outdoors.