

books OF THE WEEK

Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25c handling charge if price is less than \$2 to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.

NATURAL DYES IN THE UNITED STATES—Rita J. Adrosko—Smithsonian Institution (GPO), 1968, 160 p., illus., \$3.25. Attractively presented monograph discussing dyes used in America during the 18th and 19th centuries, includes section on home dyeing with tested recipes and top-dyeing chart. Comprehensive bibliography and five appendices make this monograph a valuable source of information.

OPTICAL FUNDAMENTALS OF UNDERWATER PHOTOGRAPHY—Gomer T. McNeil—Photogrammetry, Inc. (Rockville, Md.), 1968, 115 p., illus., paper \$5. Presents the geometry of the fundamentals of underwater photography and the associated definitions in the interest of improving technical communication and operational applications in the laboratory and underwater.

OVERWEIGHT: Causes, Cost and Control—Jean Mayer—Prentice-Hall, 1968, 213 p., illus., tables, \$5.95; paper, \$2.45. Authoritative treatment of obesity, focusing on the condition's development, its penalties in terms of health and social acceptance, and the ways in which it can be minimized through food intake control.

THE PHYSICAL BASIS OF ULTRAHIGH VACUUM—P. A. Redhead, J. P. Hobson and E. V. Kornelsen—Chapman & Hall (Barnes & Noble), 1968, 498 p., diagrams, \$16.75. Correlates information gathered from various disciplines and examines the diverse physical and chemical processes relevant to the production, measurement and application of ultrahigh vacuum systems.

PHYSICAL SCIENCE SIMPLIFIED: A Programmed Review Based on Your Course—James W. Batchelor—Barnes & Noble, 1968, 167 p., diagrams, paper, \$2.25. Designed for rapid review and self-testing, answers with explanation are given and dictionary of scientific terms is included.

PICTORIAL ANATOMY OF THE CAT—Stephen G. Gilbert—Univ. of Wash. Press, 1968, 120 p., illus. by author, paper, \$4.95. Designed as a dissection guide in comparative vertebrate anatomy or in mammalian anatomy.

A PRACTICAL HANDBOOK OF SEAWATER ANALYSIS—J. D. H. Strickland and T. R. Parsons—Fisheries Res. Bd. of Canada (Queen's Printer, Ottawa), 1968, 311 p., diagrams, tables, \$7.50. Full working instructions for certain procedures used by the authors and their colleagues in the laboratory and at sea and found by them reliable and to have adequate sensitivity and precision for most studies of marine ecology.

PROCEEDINGS OF THE AMERICAN SOCIETY FOR INFORMATION SCIENCE: Annual Meeting, 1968, Vol. 5: Information Transfer—Gerard O. Platou, Chmn.—Greenwood Pub. Corp., 1968, 362 p., diagrams, \$10. These ASIS papers present a continued effort to construct a model for the evaluation and critique of information transfer processes.

PROGRESS IN HUMAN BEHAVIOR GENETICS: Recent Reports on Genetic Syndromes, Twin Studies and Statistical Advances—Steven G. Vandenberg, Ed.—Johns Hopkins Press, 1968, 356 p., diagrams, \$12.50. The 18 previously unpublished papers in this volume reflect the increased interest in the interaction of heredity and environment.

PROJECT ICARUS: M.I.T. Report No. 13—Louis A. Kleinman, Ed.—M.I.T. Press, 1969, 121 p., illus., paper, \$6.95. Interdepartmental Student

Project in Systems Engineering, and exercise in teaching through project type of team organization, with separate and interrelated design exercises. The studies are concerned with the assumed collision of asteroid Icarus with the earth.

PROJECT ROMULUS: An Adaptable High-Density Urban Prototype—Bernard Genest, Joseph Pastic and others; Anthony Kettaneh, Ed.—M.I.T. Press, 1968, 233 p., illus., paper, \$7.50. An Interdepartmental Student Project in Systems Engineering involving the exploration, through prototype design, of the potential contribution advanced technology can make in ameliorating urban problems.

THE PROMETHEUS PROJECT: Mankind's Search for Long-Range Goals—Gerald Feinberg—Doubleday, 1969, 215 p., \$4.95. The author, a physicist by profession, explores the possibility of biological engineering by proposing a group effort, which he calls the Prometheus Project, by which humanity could choose its goals.

PROMINENT SCIENTISTS OF CONTINENTAL EUROPE—John Turkevich and Ludmilla B. Turkevich—Am. Elsevier Pub. Co., 1968, 204 p., \$16. Collection of short biographies on some of the leading European scientists who are members of the National Academies and professors at leading universities. Included are about 23 countries, ranging from Austria to Yugoslavia.

THE RELATIONS BETWEEN THE SCIENCES—C. F. A. Pantin, A. M. Pantin and W. H. Thorpe, Eds.—Cambridge Univ. Press, 206 p., \$7.50. This book, taken from a series of lectures, explains the differences between the restricted (physical) and the unrestricted (biological) sciences, points out aims of scientific research and goes into the philosophy of science.

SCHOOLS WITHOUT FAILURE—William Glasser, M.D.—Harper, 1969, 235 p., \$4.95. Presents suggestions for making involvement, relevance and thinking realities in the American school system, with stress on elementary grades suggesting new approaches to heterogeneous classes, testing, grading, homework and student classification.

SEMICONDUCTOR POWER CIRCUITS HANDBOOK—Robert G. Dale, Ed.—Motorola, Inc., 1968, 264 p., 270 diagrams, paper, \$2 direct to publisher, Box 20924, Phoenix, Ariz. 85036. Prepared for users of power transistors, thyristors, rectifiers and zener diodes, includes some 150 newly designed circuits for improved performance.

SEMICONDUCTORS: From A to Z—Phillip Dahlen with Staff of Electronic Technician/Dealer—Tab Bks., 1969, 272 p., illus., \$7.95; paper, \$4.95. Explains how semiconductors work, from basic diodes and transistors to FETs, MOS FETs, tunnel diodes, varicaps, giving considerable attention to integrated circuit applications.

SIMULATION: The Dynamic Modeling of Ideas and Systems with Computers—John McLeod, Ed.—McGraw-Hill, 1968, 351 p., illus., \$15. Thirty articles describe simulation from pre-analog-computer days through the early days of hybrid simulation to the development of "problem-oriented" digital simulation languages.

SOCIAL SCIENCES AND THE ENVIRONMENT: Conference on the Present and Potential Contribution of the Social Sciences to Research and Policy Formulation in the Quality of the Physical Environment—Morris E. Gansey and James R. Hibbs, Eds.—Univ. of Colo. Press, 1968, 249 p., \$6. Conference papers examine the problem of deterioration of man's environment from a wide range of disciplines.

STANDARD HANDBOOK FOR ELECTRICAL ENGINEERS—Donald G. Fink and John M. Carroll, Eds.—McGraw-Hill, 1968, 10th ed., 2,466 p., 1,139 diagrams, \$32.50. Authoritative compendium revised and updated to reflect the new techniques in electrical engineering, retains basic design data and application information relating to all components and systems employed in the generation, transmission, control and conversion of electricity.

THE THEORY OF PRICE UNCERTAINTY, PRODUCTION AND PROFIT—Clement Allan Tisdell—Princeton Univ. Press, 1968, 197 p., \$6.50. The author integrates diverse theories of

behavior under uncertainty to provide a new framework for his mathematical analysis of the impact of price uncertainty on the behavior of the firm or the farmers.

THEORY OF SUICIDE—Maurice L. Farber—Funk & Wagnalls, 1968, 115 p., \$5.95. Addressing the general reader as well as the specialist, this book, based partly on the author's research in Denmark and Norway, formulates a general theory of suicide including discussion for suicide prevention.

TOWN PLANNING IN FRONTIER AMERICA—John W. Reys—Princeton Univ. Press, 1969, 473 p., 135 plans and maps, \$13.50. A survey of the planning of towns in America, from the first permanent European settlement in 1565 at St. Augustine to the middle of the 19th century.

TREATIES AND ALLIANCES OF THE WORLD: An International Survey Covering Treaties in Force and Communities of States—Keesing's Publications Ltd.—Scribner's, 1968, 214 p., maps, diagrams, \$10. A one-volume guide to the major multilateral and international alliances existing today, with detailed information and essential data on each.

TRENDS IN SPECIAL LIBRARIANSHIP—Jack Burkett, Ed.—Shoe String Press, 1969, 205 p., \$6. To keep the librarian and staff of special libraries informed, this series of lectures provides an assessment of the recent trends and activities in the field.

TROPICAL NEMATOLOGY—Grover C. Smart, Jr., and V. G. Perry, Eds.—Univ. of Fla. Press, 1968, 153 p., illus., \$8.50. Published for the Center for Tropical Agriculture, the volume has compiled up-to-date knowledge pertaining to nematodes in the tropics and subtropics in order to point the way to reducing some of the problems in the near future.

UP AGAINST THE IVY WALL: A History of the Columbia Crisis—Jerry L. Avorn with Staff of Columbia Daily Spectator; introd. by Robert Friedman, Ed.—Atheneum, 1968, 307 p., 16 p. photographs, \$6.50; paper, \$3.25. Narrative describes the developments during the student revolt at Columbia University, with two essays presenting the opposing points of view.

USE OF SPACE SYSTEMS FOR PLANETARY GEOLOGY AND GEOPHYSICS: Vol. 17, AAS Science and Technology Series—Robert Duncan Enzmann, Ed.—AAS Pubns. Office, 1968, 623 p., illus., \$17.25. Papers deal with the geophysical environments, instrumentation requirements, vehicular and communications requirements, data and sample collection processing, and systems integration and space mission planning.

VIRUSES IN PLANT HOSTS: Form, Distribution and Pathologic Effects—Katherine Esau—Univ. of Wis. Press, 1968, 225 p., 135 electron micrographs, \$10. An appraisal of our present understanding of the morphological aspects of viral pathogenicity, based on original research and superbly illustrated by the author's studies on the form and movement of tobacco mosaic virus and beet yellows virus in plant tissue.

FIX CLOCKS, WATCHES

FOR FUN & PROFIT

OFTEN AFTER OTHER experts have thrown up their hands in defeat! Fascinating new Handbook by master craftsman H. G. Harris gives you the kind of knowledge skilled watchmakers learn in years of apprenticeship.

OVER 200 ILLUSTRATIONS show how to install hands, dials, crystals, mainsprings, stems... rehouse old movements in modern cases... speedily cure many troubles by demagnetizing or cleaning.

INSTRUCTIONS COVER every popular watch and clock, chimes, grandfathers, cuckoo, everyday alarm and electric clocks. Handbook tells you where to buy parts... where to send "overflow" work for repairs at wholesale prices as business expands! Even how to pick up fine old clocks at rummage prices, then restore for easy, profitable sale!

ONE REPAIR PAYS FOR COMPLETE HANDBOOK! Friends gladly pay \$5 to \$50 for restoring cherished timepieces. But see for yourself! Try the **HANDBOOK OF WATCH AND CLOCK REPAIRS** seven days! Rush only \$4.95, on money-back guarantee of satisfaction, to:

EMERSON BOOKS, Inc.
Dept. 24-S, 251 W. 19th St., N.Y., N.Y. 10011

3 PET SEAHORSES \$2.00 & FREE HITCHING POST

ORDER selected FRESH caught LIVE Seahorses sent Air Mail from Fla. Orders receive a kit with FREE food, Seahorse hitching post, our catalog and simple instructions for raising these exotic little pets in a jar or fishbowl. Guaranteed live delivery U.S.A.

TWO SEAHORSES & ONE FREE ONLY \$2.00. THREE PAIR SPECIAL—\$3.50—Order TWO PAIR & receive ONE PAIR FREE.

F. F. MARINE LIFE (Since 1960)
P.O. Box 248-SL-69 Dania, Fla. 33004



AUTHORS WANTED BY NEW YORK PUBLISHER

Your book can be published, promoted, distributed by a reliable company on a subsidized basis. Fiction, non-fiction, poetry, scholarly, scientific and even controversial manuscripts welcomed. For Free Booklet write Vantage Press, Dept. T8, 120 W. 31 St., New York 10001.