

Books of the Week

Listing is for readers' information, not advertising. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25¢ handling charge if price is less than \$2 to Book Department, Science Service, 1719 N St., N.W., Washington, D. C. 20036.

THE AAAS SCIENCE BOOK LIST FOR YOUNG ADULTS—Hilary J. Deason, Ed.—Am. Assn. for the Advancement of Science, 250 p., \$3.50; paper, \$2.50. An annotated catalog of 1,376 selected science and mathematics books, suitable for collateral reading and reference, classified as to difficulty and usefulness to libraries.

THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC for the Year 1966—Nautical Almanac Office—GPO, 508 p., \$3.75. Basic calculations and data, fundamental tables and constants.

ARIZONA CLIMATE—Christine R. Green and William D. Sellers, Eds.—Univ. of Arizona Press, rev. ed., 503 p., maps, \$10. Prepared by the Staff of the Institute of Atmospheric Physics, U. of Ariz., with cooperation of the U.S. Weather Bureau.

THE ASTRONOMERS—Colin Ronan—Hill and Wang, 232 p., 25 plates, \$5. Book sketches man's struggle to understand the universe by emphasizing the work of the most outstanding astronomers of their time.

ATLAS OF ELECTRON SPIN RESONANCE SPECTRA, 2: Theoretically Calculated Multicomponent Symmetrical Spectra—Ya. S. Lebedev, V. V. Voevodskii and N. N. Tikhomirova, transl. from Russian—Consultants, 195 p., \$15. Contains 18 series of spectra with from 4 to 9 components having binomial and intermediate intensity ratios.

BIOCHEMISTRY OF THE BRAIN DURING THE PROCESS OF DYING AND RESUSCITATION—Mariya Sergeevna Gaevskaya, transl. from Russian—Consultants, 101 p., paper, \$17.50. Monograph on the pathochemistry of the brain in terminal states.

BIOGEOCHEMICAL METHODS OF PROSPECTING—Dmitrii Petrovich Malyya, transl. from Russian—Consultants, 205 p., illus., \$27.50. Makes use of author's long experience studying the effectiveness of the biogeochemical prospecting method, offers practical recommendations for prospecting under various bioclimatic and soil-rock conditions.

CONTEMPORARY PHYSICS—David Park—Harcourt, 175 p., illus., \$4.95; paper, \$2.45. The author's purpose is to show the general reader some of the exciting conclusions in the field of modern physics, without too many technicalities about the ways in which they have been reached.

COMMISSION ON ENGINEERING EDUCATION: Annual Report 1963/1964—Newman A. Hall, Exec. Dir.—Commission on Eng. Educ., 19 p., paper, direct from publisher, 1785 Mass. Ave., N.W., Washington, D. C. 20036. First report on the service and project activities of the Commission.

DIRECT USE OF THE SUN'S ENERGY—Farrington Daniels—Yale Univ. Press, 374 p., illus., \$7.50. Covers all aspects of the subject of solar energy, and describes the full range of the experimental work on collectors of solar radiation, heaters, dryers, storage of heat, photochemical conversion, and many other uses.

THE EMERGENCE OF BIOLOGICAL ORGANIZATION—Henry Quastler—Yale Univ. Press, 83 p., diagrams, \$3.75. Essay develops a scientific theory of biological organization starting with the initial creative accident which marked the origin of life.

FIRST AID FOR INSECTS and Much More—Arthur A. Mitchell—Harvey House, 47 p., illus. by Wendy Worth, \$2.50. Tells children about insects that make good pets, and how to care for them.

GENERAL ENCYCLOPEDIAS IN PRINT 1964: A Comparative Analysis—S. Padraig Walsh—Reference Bks. Research Service, 68 p., paper, \$1.50. Informed advice on how to choose an encyclopedia, with detailed data and description of each, specific science encyclopedias not included.

H. G. WELLS: JOURNALISM AND PROPHECY, 1893-1946: An Anthology—Compiled by W. Warren Wagar, Ed.—Houghton, 447 p., \$6.95. Presenting a selection of perceptive articles by a master forecaster of things to come, such as the suburban spread of megalopolis, Washington to Albany, which Wells foresaw in 1901.

THE LAND AND PEOPLE OF NIGERIA—Brenda-Lu Forman and Harrison Forman—Lippincott, 160 p., photographs, \$3.25. Concise and readable portrait of a nation.

THE ORIGINS AND GROWTH OF BIOLOGY—Arthur Rook, Ed.—Penguin Bks., 403 p., 8 plates, paper, \$1.45. Based on "Moments of Discovery" edited by George Schwartz and Philip W. Bishop (1958), with new introduction.

THE ORIGINS AND GROWTH OF PHYSICAL SCIENCE, Vols. I and II—D. L. Hurd and J. J. Kipling, Eds.—Penguin Bks., 342 p., 427 p., illus., paper, \$1.45 each. Based on MOMENTS OF DISCOVERY (1958) edited by George Schwartz and Philip W. Bishop.

PHYSICS OF MAGNETISM—Soshin Chikazumi, transl. from Japanese with Stanley H. Charap—Wiley, 554 p., illus., \$15.75. Covering recent investigations in detail, the book describes concepts of ferro-, ferri-, and antiferro-magnetism, domain structure, magnetization processes, magnetic annealing and other topics of magnetism.

RUSSIAN MADE SIMPLE—Eugene Jackson and Elizabeth Bartlett Gordon—Doubleday, 209 p., paper, \$1.95. Short-cut methods designed for practical self-instruction.

SEMICONDUCTOR NETWORK ANALYSIS AND DESIGN—Vasil Uzunglu—McGraw, 372 p., diagrams, \$12.50. Systematic treatment, provides clear understanding by stressing the concepts of active devices in connection with their associated passive networks and relating these concepts with semiconductor circuit and network operation.

SIGNS & WONDERS UPON PHARAOH: A History of American Egyptology—John A. Wilson—Univ. of Chicago Press, 243 p., 32 plates, \$5.95. An Egyptologist's account of the unraveling during this past century and a half of the history revealed by ancient Egyptian monuments, after millennia of neglect, through the exploits of amateur archaeologists to the modern systematic work of Reisner, Breasted and Winlock.

SOLAR SYSTEM ASTROPHYSICS—John C. Brandt and Paul W. Hodge—McGraw, 457 p., illus., \$12.50. A fairly high-level introduction to astrophysics of the solar system, going into detailed mathematics where necessary.

SOMATIC CELL GENETICS: Fourth Macy Conference on Genetics—Robert S. Krooth, Ed.—Univ. of Mich. Press, 301 p., illus., \$10. The two main subjects covered were human chromosomal genetics and genetic markers in cell cultures.

SPACE PHYSICS—Sir Harrie Massey—Cambridge Univ. Press, 237 p., photographs, diagrams, \$6.50; paper, \$2.95. Discusses the techniques and methods involved in using instrument carrying space vehicles for research into the nature of the upper atmosphere and space beyond.

THE STORY OF ANTS—Dorothy E. Shuttlesworth—Doubleday, 60 p., illus. by Su Zan N. Swain, \$3.25. A very handsome and instructive book for boys and girls.

A SYSTEMATIC CLASSIFICATION OF TYPES OF INTERMETALLIC STRUCTURES—P. I. Kripyakevich, transl. from Russian—Consultants, 35 p., diagrams, paper, \$10. Classification based on the coordination of the atoms, coordination numbers, configurations of coordination polyhedrons, and their method of combination.

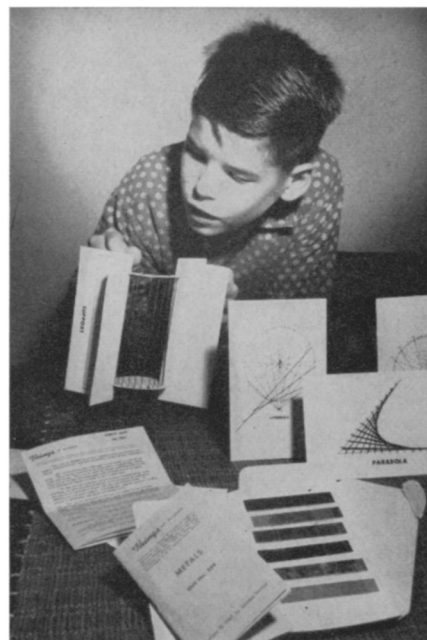
THIN-LAYER CHROMATOGRAPHY—G. B. Marini-Bettolo, Ed.—Elsevier Pub. Co. (N.Y.), 232 p., illus., \$11.75. Proceedings of the Symposium held at the Istituto Superiore di Sanita, Rome, 1963.

THE TOTEM POLE INDIANS—Joseph H. Wherry—Funk, Wilfred, 152 p., photographs by author, map, \$6.50. Describes types of totem poles interpreting their symbols, and explores the history, social organization, craft culture and traditions of the seven ethnic "nation" areas of the Pacific Northwest Coast.

TRIUMPHS OF MODERN SCIENCE—Melvin Berger—McGraw, 188 p., illus. by John Kaufmann, \$3.75. Tells of the important breakthroughs in the biological and physical sciences in this century, in language young people can understand.

• Science News Letter, 86:364 December 5, 1964

NEED A LAST-MINUTE CHRISTMAS GIFT?



SPECIAL COLLECTION 262 SCIENCE EXPERIMENTS

Pre-Announced by Giffagram!

98 Specimens in 14 Experimental Kits

Diffraction Optics . . . Fossils . . . Copper
. . . Non-woven Fabrics . . . Cryptography
. . . Marble . . . Ancient Gems . . .
Polystyrene Plastics . . . Silicones . . .
Tobacco Culture . . . Sextant . . . Space-
Age Minerals . . . Kaleidoscope . . .
Maps and Charts

Collection **\$7.29**
with gift card

PLUS **Membership** in
Things of Science

(A new kit each
month for a year) **5.00**

Both for.....**\$12.29**

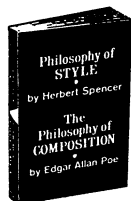
WIRE US NIGHT LETTER COLLECT name
and address of giftee with your name
and address as donor. We will bill you
after Jan. 1.

**SPECIAL PREPARED WIRE WILL
ANNOUNCE YOUR GIFT . . .
IN TIME FOR CHRISTMAS**

SCIENCE SERVICE 1719 N St., N.W.,
Washington, D.C.

—P.S.—

A marvelous idea for a post-
Christmas "Thank you", too.



WRITE FOR MONEY!

Enrich your style through Herbert Spencer's and Edgar Allan Poe's classic principles that have influenced many of the world's great authors. Indispensable for writers eager to get published! Send \$1.00 to PAGEANT PRESS, 101 5th AVE., N. Y. 8, Dept. SN

UNDERSTANDING YOURSELF

By Dr. Ernest R. Groves

8th printing. This book has helped thousands to live more wisely, more fully, more happily, more effectively, more profitably. "Every chapter . . . is stimulating and helpful. It will enable the reader to acquire not only a better understanding of himself but a clearer vision of his powers and possibilities." — New York State Dept. of Health. **Health News.**

A first-rate guide to mental health and peace of mind.

ORDER NOW **\$3.95 Postfree**

10-Day Money-Back Guarantee

EMERSON BOOKS, Inc., Dept. 253-P
251 West 19th Street, New York 11

