

Books of the Week

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AMERICA AT LAST: The American Journal of T. H. White—Intro. by David Garnett—Putnam, 250 p., \$4.95. British writer's journal kept on U.S. transcontinental trip in 1963.

BIOLOGY—Karl von Frisch, transl. from German by Jane M. Oppenheimer, foreword by Paul Weiss—Harper, 516 p., illus., \$12.95. Stresses the essentials of the science of life, from molecular elements to the relationships of living organisms to each other and to their environment, presented with simplicity and authority.

BIRD DISPLAY AND BEHAVIOUR: An introduction to the Study of Bird Psychology—Edward A. Armstrong—Dover, 431 p., 32 plates, illus., paper, \$2.50. Unabridged republication of second edition (1947), with new preface by author.

BRAIN FUNCTION, Vol. II: RNA and Brain Function, Memory and Learning—Mary A. B. Brazier, Ed.—Univ. of Calif. Press, 360 p., illus., \$10. Papers and discussions of 1962 Conference in which exponents of information storage both in genetics and in memory processes interchanged data and views on phenomena of learning and memory.

BUTTERFLIES AND MOTHS—Norman Riley, Ed.; text by Alfred Werner and Josef Bjok—Viking Press, rev. ed., 126 p., 39 color plates, map, \$10.95. A Studio book of extraordinary color quality depicting lepidoptera of the tropics.

CHARTS FOR APPROXIMATE THERMODYNAMIC PROPERTIES OF NITROGEN-OXYGEN MIXTURES—Bruce Fowler and Ronald D. Brown—NASA (GPO), 116 p., paper, \$1.25. Results considered suitable for engineering purposes.

EAST ASIA: The Modern Transformation—John K. Fairbank, Edwin O. Reischauer and Albert M. Craig—Houghton, 955 p., illus., maps, \$10.50. Volume 2 of HISTORY OF EAST ASIAN CIVILIZATION, presents a thoroughly researched historical study of Western influence and modernization in the

East Asian zone—China, Japan and the peripheral areas.

EDUCATORS GUIDE TO FREE FILMS—Mary Foley Horkheimer and John W. Diffor, Eds.—Educators Progress Service, rev. 25th ed., 664 p., paper, \$9. Annotated guide lists 4,071 titles of films, grouped by subject, with source index.

ELECTROPHILIC SUBSTITUTION IN BENZENOID COMPOUNDS—R. O. C. Norman and R. Taylor—Elsevier Pub. Co. (N.Y.), 343 p., diagrams, paper, \$12.75. Comprehensive introduction for students and review of up-to-date theory and practice for research workers.

EVOLVING GENES AND PROTEINS: A Symposium—Vernon Bryson and Henry J. Vogel, Eds.—Academic Press, 629 p., illus., \$19.50. Discussion of recent experimental findings concerning the evolutionary features of DNA, RNA, proteins and metabolic pathways.

EXPERIMENTAL MICROBIAL PHYSIOLOGY—Herman C. Lichstein and Evelyn L. Oginsky—Freeman, 145 p., paper, \$3.75. Manual with 22 experiments using basic modern techniques to illustrate fundamental properties of the microbial system.

THE FRENCH IN THE MISSISSIPPI VALLEY—John Francis McDermott, Ed.—Univ. of Ill. Press, 247 p., 36 plates, \$6.75. Describes the early history of St. Louis and French activities in the Mississippi Valley.

HUMAN BIOLOGY: An Introduction to Human Evolution, Variation and Growth—G. A. Harrison and others—Oxford Univ. Press, 536 p., illus., \$8. A physical anthropology text concerned with evolutionary theory and fossil evidence, principles of human genetics, biological variations in modern populations, human growth and human ecology.

IMPROVING THE EFFECTIVENESS OF RESEARCH AND DEVELOPMENT—Robert E. Seiler—McGraw, 210 p., \$10. A research-based study of the methods actually being applied by U.S. industry to control R&D projects and budgets, and to evaluate the effectiveness of these measures.

KEER-LOO: The Life Story of a Young Wood Duck—Laura Louise Foster—Naturegraph, 80 p., illus. by author, \$3.25; paper, \$1.25. A true story about the habits of a growing duckling.

LITTLE SCIENCE, BIG SCIENCE—Derek J. de Solla Price—Columbia Univ. Press, 118 p., graphs, paper, \$1.25. Reprint (1963).

THE LOGIC OF SCIENTIFIC DISCOVERY—Sir Karl Popper—Harper, 480 p., paper, \$2.75. New edition with revisions of book first published in English translation in 1959.

MINERALS YEARBOOK 1963, Vol. IV: Area Reports International—Bureau of Mines, Marling J. Ankeny, Dir.—GPO, 1,505 p., \$5. Comprehensive presentation of the latest available mineral statistics for more than 130 foreign countries and areas, with chapter reviewing minerals in the world economy.

MUSEUMS DIRECTORY OF THE UNITED STATES AND CANADA—Carolyn H. Wells and Jean H. Eisenberg, Eds.—Am. Assn. of Museums, 2nd ed., 1,039 p., \$8. Information on 4,956 museums and related organizations, including science and specialized museums, children's museums, aquariums, arboretums and botanical gardens, planetariums, zoos, libraries with collections other than books, park museums and wildlife refuges.

NARCOTICS—Daniel M. Wilner and Gene G. Kassebaum, Eds.—McGraw, 302 p., \$13.50. Conference papers and discussion of the interrelated processes which combine to present the complicated medical problem of drug addiction in the United

States, with contributions from the fields of medicine, the law, sociology, psychology and corrections.

NEVER PET A PORCUPINE—George Laycock—Norton, 167 p., photographs, \$3.50. Informative and amusing stories about small wild animals.

NEW DRUGS 1965—Evaluated by the A.M.A. Council on Drugs—Am. Medical Assn., 510 p., \$5. Authoritative monographs giving physician essential information on specific new drugs in relation to older drugs, grouped by sections based on therapeutic classifications.

THE PATHOLOGY OF THINKING—Blyuma Vul'forna Zeigarnik, transl. from Russian by Basil Haigh, foreword to English edition by A. R. Luria—Consultants, 211 p., \$12.50. Attempts to present an analysis of the basic forms of thought disturbance encountered in mental disease.

A PHYSICS LAB OF YOUR OWN—Steven J. Mark—Houghton, 185 p., illus. by Charles Wilton, \$3. Seventy experiments arranged to help understand step-by-step the basic elements of physics, using simple household materials.

PRACTICAL BIOLOGY AT HOME—T. H. Savory—Roy Pubs., 135 p., illus., \$3.25. Suggestions for young scientists to set up biology experiments at home without expensive equipment.

A PREFACE TO URBAN ECONOMICS—Wilbur R. Thompson—Johns Hopkins Press, 413 p., \$7.50. Conceived as a textbook in the economics of urban growth and development.

REVIEWS OF PLASMA PHYSICS, Vol. 1—M. A. Leontovich, Ed., transl. from Russian—Consultants, 326 p., diagrams, \$12.50. Review articles devoted to various aspects of plasma theory, in particular the motion of charged particles, particle interactions and transport processes in a plasma.

THE SHAPE OF AUTOMATION for Men and Management—Herbert A. Simon—Harper, 111 p., \$3.95. Brings together the author's evaluation of the impact of computer technology on business and the economy.

A SHORT COURSE IN THE APPLICATION OF GROUP THEORY TO QUANTUM MECHANICS—I. V. Schensted—NEO Press, multi-paged, paper, 75¢ direct to publisher, Box 525, Ann Arbor, Mich. 48107. Series of four lectures given at the Resonance Group Luncheon Seminar at the University of Michigan Physics Department in 1964.

STRETCHING YOUR AUTO DOLLAR—Lester Tanzer—Kiplinger Wash. Eds. (Hammond), 2nd ed., 96 p., \$3.50; paper, \$1.95. Tested ways to choose the right car and run it economically.

A STUDY OF THE DIURNAL SQUIRRELS, SCIURINAE, of the Indian and Indochinese Subregions—Joseph Curtis Moore and George H. H. Tate—Chicago Nat. Hist. Mus., 351 p., illus., maps, paper, \$10. Substantial revision of the taxonomic importance of Oriental squirrels, a subfamily of terrestrial mammals unusually variable in color.

SYMPOSIUM ON POLYPROPYLENE FIBERS, 1964: Proceedings—W. C. Sheehan, Chmn.—Southern Research Institute, 227 p., illus., paper, \$5. Technical papers on properties, structure and applications of polypropylene fibers.

TRAIL PLANNING AND LAYOUT—Byron L. Ashbaugh—National Audubon Soc., 104 p., photographs, illus., paper, \$2.50 direct to publisher, 1130 Fifth Avenue, New York, N.Y. 10028. A guidebook designed to help communities in planning outdoor education centers.

Tsunami! The Story of the Seismic Sea-Wave Warning System—U. S. Coast & Geodetic Survey, (GPO) 46 p., illus., paper, 35¢. Popular description of tsunamis and the world-wide network that relays warning messages.

UNITED STATES GOVERNMENT ORGANIZATION MANUAL 1965/66—Office of the Federal Register—GPO, 798 p., charts, paper, \$1.75. Essential information on organization and activities in the Federal Government.

THE USE OF SURFACTANTS IN THE PETROLEUM INDUSTRY—P. A. Rebinder, Ed., transl. from Russian—Consultants, 346 p., illus., paper, \$45. Reports the results of extensive recent developments in the Soviet Union in work on the use of surface-active substances in the technological processes of petroleum recovery—in drilling, operation of oil wells, removal of water and salts from petroleum, and prevention of the corrosion of equipment.

VIEWPOINTS IN BIOLOGY, Vol. 3—J. D. Carthy and C. L. Duddington—Butterworths, 260 p., illus., \$13.50. Broadly based reviews on the theoretical aspects of brewing, perfection and adaptation of animals, lichen, social stress, and hormones and behavior in animals.

• Science News Letter, 88:92 August 7, 1965

Are You a Slow Reader?

A noted publisher in Chicago reports there is a simple technique of rapid reading which should enable you to double your reading speed by this simple, proven method and yet retain much more. Most people do not realize how much they could increase their pleasure, success and income through reading faster, easier, more accurately. The details of this method are described in a new book "Adventures in Reading Improvement" sent free on request.

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Art of Argument

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Here is a clear simply written basic guide to logical thinking, showing how to spot the fallacies, the prejudices and emotionalism, the inappropriate analogies, etc., in the other fellow's argument and how to watch for and avoid the irrational in your own judgments. The author makes plain not only *how* but also *why* people resist *how* but also *why* people resist change.

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