

Books of the Week

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ADVANCES IN ORGANIC CHEMISTRY AND RADIOCHEMISTRY, Vol. 6—H. J. Emelius and A. G. Sharpe, Eds.—Academic Press, 530 p., diagrams, \$16. Among other subjects, deals with anhydrous metal nitrates, the chemistry of astatine, and peroxy compounds of transition metals.

ATOMS AT THE SCIENCE FAIR: Exhibiting Nuclear Projects—Robert G. Le Compte and Burrell L. Wood—USAEC, 52 p., illus., paper, single copies free upon request direct to USAEC, P.O. Box 62, Oak Ridge, Tenn. 37831. Prepared by the Atomic Energy Commission to help science fair project exhibitors and their teachers with planning and constructing successful exhibits.

BEYOND THE SUGAR CANE FIELD: UNICEF in Asia—Louisa R. Shotwell—World Pub. Co., 96 p., photographs, \$3.50. A book about what UNICEF is doing for the children in India, Thailand and Indonesia.

BIOCHEMISTRY AND BEHAVIOR—Samuel Eiduson and others—Van Nostrand, 554 p., diagrams, \$15. Attempts to bring together within the framework of biochemistry those kinds of correspondences that have been postulated by the literature to exist between biochemistry and behavior.

BIOLOGY DATA BOOK—Philip L. Altman and Dorothy S. Dittmer, Eds.—Fed. of Am. Soc. for Experimental Biology, 633 p., illus., \$10. An authoritative handbook for research worker and student, with tables arranged in 13 sections, from genetics and cytology to materials and methods, includes appendixes giving estimated number of species and taxonomic classification, formulas, factors and constants.

CALIFORNIA CONDOR: Vanishing American—Dick Smith and Robert Easton, introd. by Brooks Atkinson—McNally & Loftin (Lane Bk. Co.), 111 p., photographs and illus. by Dick Smith, \$3.50. A study of the largest bird in North America, "symbolic link" with the Pleistocene Age.

CATS OF THE WORLD—Armand Denis, preface by Roger Tory Peterson—Houghton, 144 p., photographs, \$5.95. Authoritative and readable descriptions of every recognized species of the cat family in Africa, Asia, the Americas and Europe, and the outlook for saving them for posterity.

CONFERENCE ON THE VIBRATIONAL SPECTRA OF HIGH POLYMERS—Giulio Natta and Giuseppe Zerbi, Eds.—Interscience, 226 p., illus., paper, \$10. Survey papers and other contributions on recent developments in theory and methods of infrared spectra of polymers.

CULTURE AND THE DIRECTION OF HUMAN EVOLUTION—Albert A. Dahlberg, Theodosius Dobzhansky and others, Stanley M. Garn, Ed.—Wayne State Univ. Press, 98 p., illus., \$4.95. Symposium considered dental evolution, the significance of increased brain size, and the overall importance of culture in giving direction to human evolution.

DYNAMICS OF CHARGED PARTICLES—Bo Lehnert—Interscience, 300 p., diagrams, \$11.50. A study of the dynamics of ionized matter in electric and magnetic fields, mainly on the basis of a single particle picture.

EDUCATORS GUIDE TO FREE SOCIAL STUDIES MATERIALS—Patricia H. Suttles with Wm. H. Hartley—Educators Progress Service, 4th ed., 423 p., paper, \$6.75. Annotated list of currently available audiovisual and other social studies curriculum aids.

HOW TO TAKE A CHANCE—Darrell Huff—Norton, 173 p., illus. by Irving Geis, paper, \$1.25. Reprint (1959), discusses amusingly the laws of the mathematics of probability.

HUMAN JUDGMENTS AND OPTIMALITY—Maynard W. Shelly II and Glenn L. Bryan, Eds.—Wiley, 436 p., illus., \$8.95. Presents research in the behavioral and social sciences and sets forth relevant developments in statistics, mathematics, and management science.

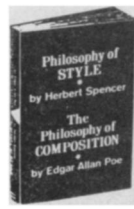
INTRODUCTION TO PROBABILITY AND STATISTICS—Henry L. Adler and Edward B. Roessler—Freeman, 3rd ed., 313 p., illus., \$6. Examples and exercises are chosen from agriculture, business administration, sociology, psychology and geology; treatment assumes only modest mathematical background.

THE KINEMATICS OF MACHINERY: Outlines of a Theory of Machines—Franz Reuleaux, transl. by Alexander B. W. Kennedy, Ed., new introd. by Eugene S. Ferguson—Dover, 622 p., illus., paper, \$3. Unabridged and corrected republication of 1876 edition.

KNOWING YOUR TREES—G. H. Collingwood and Warren D. Brush; rev. by Devereux Butcher, Ed.—Am. Forestry Assn., rev. ed., 348 p., 900 photographs, maps, \$7.50. Popular sourcebook for identification, describes characteristics and contributions of 170 outstanding American trees, showing in detail their leaves, bark, flowers and fruits.

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MAN PROBES THE UNIVERSE—Colin A. Ronan—Nat. Hist. Press (Doubleday), 156 p., photographs, diagrams by Sidney W. Woods, \$4.95. Published for the American Museum of Natural History, explains with the help of many illustrations and diagrams how astronomers, by analyzing radiation from stellar sources, can discover what elements they are made of, and develop theories about the universe.

MENTAL RETARDATION: A Review of Research—Harvey A. Stevens and Rick Heber, Eds.—Univ. of Chicago Press, 502 p., 32 plates, \$12.50. According to 1962 estimates, more than five million people in the U.S. were mentally retarded; this volume presents what research in all major scientific disciplines has contributed to better understanding of the complex phenomena involved.

METHODS OF ESTIMATING THE DEMAND FOR SPECIALISTS AND OF PLANNING SPECIALIZED TRAINING WITHIN THE USSR—K. G. Nozhko—UNESCO (N.Y.), 63 p., paper, \$1. Discusses annual and long-term plans, gives lists of specializations in secondary and higher education.

RED PEAK: A Personal Account of the British-Soviet Pamir Expedition—Malcolm Slessor—Coward-McCann, 250 p., photographs, \$5.75. Less concerned with technical mountaineering than with presenting the life-cycle of an expedition and analyzing the impact of the British on the Russians and vice versa.

REPRODUCTIVE PHYSIOLOGY: Comparative Reproductive Physiology of Domestic Animals, Laboratory Animals and Man—A. V. Nalbandov—Freeman, 2nd ed., 316 p., illus., \$7.50. Revised edition incorporates advances since 1958.

RUSSIA IN THE THAW—Alberto Ronchey, transl. from Italian by Raymond Rosenthal—Norton, 249 p., photographs, \$5. Italian journalist's observations as Russian correspondent during the years 1959-1961.

SELECTED PAPERS ON THE THEORY OF THERMAL CONVECTION with Special Application to the Earth's Planetary Atmosphere—Barry Saltzman, Ed.—Dover, 461 p., paper, \$3. New collection of 25 basic theoretical papers.

SOCIAL ORGANIZATION AND BEHAVIOR: A Reader in General Sociology—Richard L. Simpson and Ida Harper Simpson, Eds.—Wiley, 457 p., paper, \$5.25. Selected readings representative of the chief fields of specialized sociological inquiry.

SPIDER SILK—Augusta Goldin—Crowell, unpag., illus. by Joseph Low, \$2.75. About spider webs, for the youngest readers.

THE STORY OF THE EARTH'S MAGNETIC FIELD—Germaine Beiser—Dutton, 128 p., illus. by Joseph M. Sedacca, \$3.50. Tells how man learned about the earth's field, and about the theories and experiments that followed.

THE THYMUS: Symposium Monograph No. 2—Vittorio Defendi and Donald Metcalf, Eds.—Wistar Inst. Press, (Philadelphia), 145 p., illus., paper, \$5. Papers and discussions dealing with the influence of the thymus on functional capacity of the nonthymic lymphoid organs, immunological responsiveness, and the role of thymus in carcinogenesis.

A UNIVERSITY IN THE MAKING—Albert E. Sloman—Oxford Univ. Press, 90 p., map, \$3.25. The Vice-Chancellor of the new University of Essex in England outlines plans for this university which incorporates many new ideas.

VITREOUS LITHIUM SILICATES: Properties and Applications—Sarra Konstantinova Dubrovo, transl. from Russian by E. B. Uvarov—Consultants (Plenum Press), 46 p., illus., \$12.50. Focus is on investigations of the physical properties of simple lithium silicate glasses in comparison with other alkali silicates.

WATCH HONEYBEES WITH ME—Judy Hawes—Crowell, unpag., illus. by Helen Stone, \$2.75. For young readers.

WHERE DO BABIES COME FROM?—Irving Orenstein—Pyramid Bk., 63 p., illus., paper, 50¢. Answers the growing child's questions about human reproduction.

WHERE FOUR WORLDS MEET: Hindu Kush, 1959—Fosco Maraini, transl. from Italian by Peter Green—Harcourt, 290 p., photographs, maps, \$12.50. The story of a mountaineering journey through Pakistan, meeting on the way the historical civilizations of Islam, Buddhism, Hinduism and the influences of Communism.

WHERE IN THE WORLD?—Philip S. Egan, foreword by Jane McGuigan—Rand McNally, 164 p., illus. by David Cunningham, \$3.95. Provides, in question-and-answer form, a wide variety of information about land areas, seas, weather, climate and space, for young browsers.

WONDERS OF THE ANIMAL WORLD—Walt Disney, text by Vezio Melegari—Golden Press, 176 p., 150 full-color photographs, \$4.95. Explores some habits of the beautiful and grotesque among animals.

WOOD AND CELLULOSE SCIENCE—Alfred J. Stamm—Ronald, 549 p., illus., \$15. Emphasis in this reference work is on the fundamental physical properties of wood and wood components.

YOU, ME AND THE ANIMAL WORLD—Martin Wells—Houghton, 114 p., illus. by author, \$3.50. Zoologist's entertaining and informative observations about bats, birds, octopuses and other animals.

• Science News Letter, 86:300 November 7, 1964

Why Do You Read So Slowly?

A noted publisher in Chicago reports there is a simple technique of rapid reading which should enable you to double your reading speed and yet retain much more. Most people do not realize how much they could increase their pleasure, success and income by reading faster and more accurately.

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To acquaint the readers of this newspaper with the easy-to-follow rules for developing rapid reading skill, the company has printed full details of its interesting self-training method in a new book, "Adventures in Reading Improvement" mailed free to anyone who requests it. No obligation. Simply send your request to: Reading, 835 Diversey Parkway, Dept. 2648, Chicago, Illinois 60614. A postcard will do.