

Books of the Week

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THE ALIEN ANIMALS—George Laycock—Natural Hist. Press, 240 p., 17 plates, \$4.95. The story of imported wildlife, of the successes and more often pitfalls of moving birds, game fish and snails sometimes halfway around the world.

APPLICATION OF FRACTURE TOUGHNESS PARAMETERS TO STRUCTURAL METALS: Symposium, 1964—Herman D. Greenberg, Ed.—Gordon & Breach, 406 p., illus., \$24.95; paper, \$10.50. Discusses topics such as fracture test methods and their application, and the influence of microstructure on the strength of low carbon, high strength alloy steel.

THE ARCHITECTURE OF MATTER—Stephen Toulmin and June Goodfield—Harper, 398 p., illus., paper, \$2.45. Reprint (1962), deals with the physics, chemistry and physiology of matter, both animate and inanimate, as it has evolved since the beginnings of science.

AUTOMATION AND ELECTRONICS IN PUBLISHING—Lowell H. Hattery and George P. Bush, Eds.—Spartan Bks., 206 p., illus., \$8.75. Results of a symposium that explored the electronic printing automation problems in newspaper production, scientific periodicals and directory production, economic feasibility analysis and outlook for the future.

BEARS LIVE HERE—Irmengarde Eberle—Doubleday, 61 p., photographs, \$3.25. Acquaints children with a year in the life of a black bear mother and her cubs.

BEHAVIOR OF MATERIALS AT CRYOGENIC TEMPERATURES: Symposium 1965—Introd. by F. R. Schwartzberg—Am. Soc. for Testing Metals and Materials, 148 p., illus., vinyl, \$8.50. Contains papers on the plastic behavior of metals, on fracture of metals, and on low-temperature phase transformations.

BIOLOGICAL CHEMISTRY—Henry R. Mahler and Eugene H. Cordes—Harper, 872 p., illus., \$16.50. A thorough and up-to-date treatment of the areas of knowledge fundamental to biochemistry. Presents detailed studies of the physical chemistry of biomacromolecules; of the thermodynamics, kinetics and mechanisms of enzymatic reactions; of subcellular organization, and of the intermediary metabolism of the major classes of chemical substances.

BIOLOGICAL TREATMENT OF MENTAL ILLNESS: Proceedings of the II International Conference of the Manfred Sakel Foundation, 1962—Max Rinkel, Ed.—Page, L. C. (Farrar, Straus), 1025 p., illus., \$25. A reference volume giving a global view of recent developments in biological psychiatry, includes discussions of plasma protein factors and serum fractions, psychopharmacology, and insulin coma therapy.

THE BOOK OF POPULAR SCIENCE, Vols. 1-10—Lawrence M. Levin, Ed.-in-Chief—Grolrier, 4,750 p., 5,100 illus., \$89.50. Addressing the upper elementary through junior high school student, this latest revision contains simplified presentations of miniaturized design, image tubes, progress in medicine, nature of solutions, introduction to psychology, and revised bibliography.

BRAIN AND BEHAVIOR, Vol. III: The Brain and Gonadal Function—Roger A. Gorski and Richard E. Whalen, Eds.—Univ. of Calif. Press, 289 p., illus., \$12. These conference proceedings provide a summary of research in the many areas in which the problem of the neural control of gonadal function is being investigated.

THE CALIFORNIA CONDOR—Carl B. Korf—Dover, 154 p., illus., paper, \$2. Unabridged republication of a research report originally published in 1953 by the National Audubon Society.

COMMUNICATION SWITCHING SYSTEMS—Murry Rubin and C. E. Haller—Reinhold, 394 p., illus., \$16.50. Describes the techniques used in the application of automatic switching in communications systems with emphasis on switching center design as applied to relay centers.

COMPARING NATIONS: The Use of Quantitative Data in Cross-National Research—Richard L. Merritt and Stein Rokkan, Eds.—Yale Univ. Press, 584 p., \$12.50. Contains 25 papers discussing theory and method, the aggregate data basis for cross-national comparisons, cross-national comparisons of within-nation differences, and national and international action to advance quantitative comparative analysis.

COMPUTER DICTIONARY AND HANDBOOK—Charles J. Sippl—Sams, Howard S., 766

p., illus., \$12.95. Designed to aid in identifying, classifying and interpreting terms and concepts concerned with electronic data processing, information technology, computer science and the many types of automation.

DIESEL: His Engine Changed the World—Charles Morrow Wilson—Von Nostrand, 181 p., photographs, illus. by Denny McMains, \$4.75. Juvenile biography.

THE DISCOVERY OF TIME—Stephen Toulmin and June Goodfield—Harper, 280 p., illus., paper, \$1.95. Reprint (1965), discusses the historical development of our ideas of time as they relate to nature and human society.

EXPLORING LIFE SCIENCE—Walter A. Thurber and Robert E. Kilburn—Allyn & Bacon, 496 p., illus., \$5.20. Text on the intermediary level, designed to give direct experience with basic scientific research methods through projects and processes the student can carry out in his own environment with a minimum of direct guidance by the teacher.

EXPLORING PHYSICAL SCIENCE—Walter A. Thurber and Robert E. Kilburn—Allyn & Bacon, 496 p., illus., \$5.40. Text designed to give the intermediate grade student firsthand experience with independent experimenting in his environment.

HEALING HERBS OF THE BIBLE—R. H. Harrison—E. J. Brill (Leiden, Holland), 58 p., paper, \$2.25. This monograph presents a study of the materials from which the pharmacopoeia of the Hebrews was drawn, against their background of usage in ancient Mesopotamia and Egypt, with list of quotations from the Old Testament.

THE IMAGES OF SPACE—Harold Leland Goodwin—Holt, 189 p., \$2.95. Reviews the history of space exploration from the propaganda perspective, and attempts to evaluate the role of the space program in shaping the relative power images of U.S. and U.S.S.R.

INTRODUCTION TO LIVESTOCK PRODUCTION including Dairy and Poultry—H. H. Cole, Ed.—Freeman, 2nd ed., 827 p., illus., \$9.50. Provides students with a comprehensive view of the livestock industry and shows how the science of biology is utilized in modern livestock management practice.

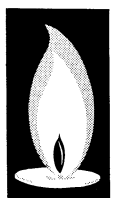
THE IVORY-BILLED WOODPECKER—James T. Tanner—Dover, 111 p., illus., paper, \$2. Reprint (1942), originally published as Research Report No. 1 by the National Audubon Society.

KANAMYCIN: Appraisal After Eight Years of Clinical Application—Charles H. Mann, Ed.—N.Y. Acad. of Sciences, Annals, Vol. 132, Art. 2, 319 p., illus., paper, \$8. Series of papers and discussion of in vitro activity, pharmacology and general clinical status. Kanamycin use in TB, toxicity in adults and status in pediatrics.

THE LETTERS OF WILLIAM JAMES AND THEODORE FLOURNOY—Robert C. LeClair, Ed.—Univ. of Wis. Press, 252 p., photographs, \$6.75. Correspondence between the cosmopolitan American philosopher-psychologist and the Swiss professor of psychology, 1890 to 1910.

MEDICAL RESEARCH ENGINEERING, Second Quarter 1966—Carl Beckley, Ed.—Medical Res. Engineering, 48 p., illus., paper, \$3; quarterly, \$10 annually. Formerly The American Journal of MEDICAL ELECTRONICS, the new title more nearly expresses the wide spectrum of technologies contributing to medical research.

THE MEMORY SYSTEM OF THE BRAIN—J. Z. Young—Univ. of Calif. Press, 128 p., illus., \$4. Using the octopus as research animal, the study presents a comparison between brain and computer, with emphasis on the body as a self-maintaining system.



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THE NEW FIELD BOOK OF FRESHWATER LIFE—Elsie B. Klots—Putnam, 398 p., 8 color plates, 700 drawings by SuZan Noguchi Swain, \$4.95. A comprehensive guide to the identification and study of the aquatic plants and animals of North America north of Mexico.

PROFESSIONAL ENGINEER'S EXAMINATION QUESTIONS AND ANSWERS—William S. LaLonde, Jr.—McGraw, 2nd ed., 589 p., diagrams, \$9.95. Designed to help candidates for Engineer-in-Training Certificate, professional Engineer's License and Land Surveyor's License to renew engineering fundamentals.

RADIOACTIVE PHARMACEUTICALS—Gould A. Andrews, Ralph M. Kniseley and Henry N. Wagner, Jr., Eds.—USAEC (CFSTI, CONF-651111), 728 p., illus., paper, \$5. Contains conference proceedings 1965, summarizing and correlating recent advances in the development of radioactive pharmaceuticals for use in clinical medicine and biological research.

THE ROCKEFELLER FOUNDATION ANNUAL REPORT FOR 1965—J. George Harrar, Pres.—Rockefeller Foundation, 259 p., photographs, paper, single copies free upon request direct to the Foundation, 111 W. 50th St., New York, 10020. Summarizes the Foundation's cultural, economic and technical assistance programs, and lists grants for 1965.

SEARCH AMONG THE STARS—Carl Heintze—Van Nostrand, 175 p., illus., \$3.95. Presents to young people in non-technical language the basic concepts of physics, chemistry, biology and astronomy involved in the study of the possibility of life outside the earth.

SECOND SYMPOSIUM ON CATECHOLAMINES—George H. Acheson, Ed.—Williams & Wilkins, 803 p., illus., \$15. Papers deal with enzymology, metabolic effects of catecholamines, their measurement and detection, properties of adrenergic tissues transmission, modification of sympathetic function, and adrenergic mechanisms in the nervous system.

SUCCESSFUL ENGINEERING MANAGEMENT: Modern Techniques for Effective and Profitable Direction of the Engineering Function—Tyler G. Hicks—McGraw, 287 p., diagrams, \$8.50. A combination of a personal management success guide and comprehensive discussion of modern engineering management techniques.

TESTING AND EVALUATION FOR THE SCIENCES in the Secondary School—William D. Hedges—Wadsworth, 248 p., illus., paper, \$3.65. Intended for science teachers in high school and junior high school who wish to construct better quizzes and examinations.

WEATHER ON THE PLANETS: What We Know About Their Atmospheres—George Ohring—Doubleday, 144 p., 8 plates, diagrams, paper, \$1.25. An original paperback sponsored by the American Meteorological Society to give secondary school students and laymen up-to-date information on planetary atmospheres.

WORKING WITH ATOMS—O. R. Frisch—Basic Bks., 96 p., illus., \$3.50. Presents to young people the series of experiments and discoveries that led to the first chain reaction.

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