

Books of the Week

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THE APOLLO PROGRAM: A Midstream Appraisal—George M. Low—Smithsonian Press, 22 p., illus., paper, \$1. Third Edwin A. Link Lecture, appraises accomplishments and remaining technical tasks in the U.S. program to place man on the moon.

CHINESE SOCIETY UNDER COMMUNISM: A Reader—William T. Liu, Ed.—Wiley, 496 p., \$8.50. Selections offer background to Communist China's social structure, their objectives and problems of control, and the institutional consequences of control.

A CONCEPT OF CONTRACEPTION—Selig Neubardt, M.D.—Trident Press, 118 p., \$3.95. A lightly written, informative book by gynecologist-obstetrician evaluating the various known methods of family planning.

THE DEER AND THE TIGER: A Study of Wildlife in India—George B. Schaller—Univ. of Chicago Press, 370 p., 30 photographs by author, tables, diagrams, maps, \$10. A scientific report on free-living hoofed animals such as the chital, barasingha, blackbuck antelope and gaur, and the effect of tiger predation.

DICTIONARY OF INVENTIONS AND DISCOVERIES—E. F. Carter—Philosophical Lib., 193 p., \$6. Lists alphabetically scientific and technological inventions and inventors, giving date, country and other information.

DIMENSIONAL METROLOGY: Subject-Classified With Abstracts Through 1964—Irvin H. Fullmer—NBS (GPO), 309 p., \$3. Contains 3,000 references classified in 12 major divisions, covering linear, angular and geometrical measurements of solid bodies, and in-process control of sizes.

DOLPHINS AS THEY ARE—Rutherford Montgomery—Duell, 103 p., photographs, \$3.95. Easy reading about the interesting ways of dolphin behavior.

DYNAMICS OF DEVELOPMENT: Euthenic Pediatrics—Dorothy V. Whipple—McGraw, 648 p., photographs mostly by the author, diagrams, \$15. This well-organized book by pediatrician centers on the development of the whole child, suggesting those factors which most favorably influence the processes of growth.

ELECTRICAL CONDUCTION MECHANISMS IN THIN INSULATING FILMS—D. R. Lamb—Methuen (Barnes & Noble), 114 p., graphs, \$4.50. Intended to assist research workers as well as to provide a starting point for those about to begin work on thin films.

THE ENCYCLOPEDIA OF CAREERS AND VOCATIONAL GUIDANCE, Vol. 1: Planning Your Career. Vol. 2: Careers and Occupations—William E. Hopke, Ed.-in-Chief—Ferguson (Doubleday), 752 p., 784 p., illus., \$30. Volume 1 describes the character of the more important areas of work, from the advertising business to teaching; volume 2 gives specific career information, ranging from account executives to zoologists.

FOOD IRRADIATION: Proceedings of the International Symposium jointly organized by IEA and FAO in Karlsruhe, 1966—E. M. Counsell, Ed.—IAEA (Int'l Pubns., N.Y.), 956 p., illus., paper, \$20. Among main subjects covered are radiation sources and dosimetry, wholesomeness of irradiated food, microbiology, virology and quarantine problems, and status of various irradiated commodities.

GREENHOUSE GARDENING FOR FUN—Claire L. Blake—Barrows (Morrow), 256 p., 118 photographs, drawings, \$6.95. Describes types and style of greenhouses, climate control and soils, and discusses 150 specific plants and their requirements.

THE HUMAN DIMENSION: Experiences in Policy Research—Hadley Cantril—Rutgers Univ. Press, 202 p., charts, \$7.50. Social psychologist describes how government decision making might profit from considerations of psychological factors such as revealed by studies of the Institute for International Research.

INTRODUCTION TO PAINT CHEMISTRY—G. P. Turner—Chapman & Hall (Barnes & Noble), 244 p., illus., \$7.50; paper, \$4.75. A well-indexed reference for the trainee paint technologist and interested layman.

THE JOURNAL OF CREATIVE BEHAVIOR, Vol. 1, No. 1—Eugene A. Brunelle, Ed.—Creative Education Foundation, 115 p., illus., paper, \$2; quarterly, \$8 annually. Includes articles, research abstracts, a cumulative bibliography, book reviews and reports on conferences and projects devoted to the subject of creativity.

LAPLACE TRANSFORM THEORY AND ELECTRICAL TRANSIENTS (formerly titled Transformation Calculus and Electrical Transients—Stanford Goldman—Dover, 439 p., diagrams, paper, \$3. Reprint (1955).

LEMUR BEHAVIOR: A Madagascar Field Study—Alison Jolly—Univ. of Chicago Press, 187 p., 20 plates, maps, \$6.95. Detailed observations of lemur behavior, both in troops and as individuals, in search of clues to the evolution of primate social behavior. Since lemurs on Madagascar have been isolated for 50 million years, they provide a third independent evolutionary line to compare with the New World and Old World monkeys.

LUMINESCENCE OF INORGANIC SOLIDS—Paul Goldberg, Ed.—Academic Press, 765 p., diagrams, \$29.50. Review and critical correlation of recent trends in research on luminescent solids, such as halide lattices, oxygen-dominated lattices, luminescence in the glassy state, cathodo- and radioluminescence.

THE NEW AGE IN PHYSICS—Sir Harrie Massey—Basic Bks., 2nd ed., 386 p., illus., \$10. Descriptive explanations of the latest developments in modern physics, such as atom mechanics and uncertainty principle, the movements of electrons, nucleus, cosmic rays and strange particles.

ON A PIECE OF CHALK—Thomas Henry Huxley, edited with introd. and notes by Loren Eiseley—Scribner, 90 p., drawings by Rudolf Freund, \$4.95. Lavishly illustrated, including geological time chart and selected bibliography, this classic in popular scientific exposition connects a piece of chalk with long-vanished geological eras.

PHYSICS MANPOWER 1966: Education and Employment Statistics—Susanne D. Ellis, Ed.—Am. Institute of Physics, 114 p., illus., paper, \$2.50. See story, SN Feb. 11, 1967, p. 131.

PLANTS OF THE WORLD: The Higher Plants, Vol. 1—H. C. D. deWitt, trans. from Dutch by A. J. Pomerans—Dutton, 335 p., 187 color plates, 280 photographs, \$17.50. First of three excellently illustrated reference volumes describing the major plant families of the world for the general reader.

PSYCHOBIOLOGY, THE BIOLOGICAL BASES OF BEHAVIOR: Readings from SCIENTIFIC AMERICAN—Introd. by James L. McGaugh, Norman M. Weinberger and Richard E. Whalen—Freeman, 382 p., illus., \$10; paper, \$5.45. Contains 25 articles covering experimental research of the past two decades, probing into the mechanisms responsible for behavior.

RADIATION TRAPPED IN THE EARTH'S MAGNETIC FIELD—Billy M. McCormac, Ed.—Gordon & Breach, 901 p., illus., \$45. Contains the lectures presented at the Advanced Study Institute held at the Chr. Michelsen Institute, Bergen, Norway, 1965, discussing topics such as observed particle distribution in the natural belts, physics of the outer magnetosphere, and artificially injected radiation.

RADIO HANDBOOK—William I. Orr—Editors & Engineers, 17th ed., 847 p., illus., \$12.95. Communications manual for the advanced radio amateur and electronics engineer.

ROME ON THE EUPHRATES: The Story of a Frontier—Freya Stark—Harcourt, 481 p., photographs by author, folded map, \$9.75. Well-documented work, reconstructs eight centuries of Roman influence on historical developments in Asia Minor and the Middle East.

THE SCIENTIFIC CONSCIENCE: Reflections on the Modern Biologist and Humanism—Catherine Roberts—Braziller, 130 p., \$4.50. Essays concerned with the sources of human values.

STEDMAN'S MEDICAL DICTIONARY: A Vocabulary of Medicine and Its Allied Sciences, with Pronunciations and Derivations—Isaac Asimov and others, Consulting Eds.—Williams & Wilkins, 21st ed., 1,836 p., illus., \$14. A working dictionary, this new edition records 9,183 new entries and 8,897 revised entries to keep up with the living language of medicine.

TV TROUBLESHOOTER'S HANDBOOK—Editors of Electronic Technician—TAB Bks., 192 p., illus., \$6.95. Collection of service hints, circuit descriptions and production changes of TV receivers manufactured in the last four years.

THE THEORY OF EQUILIBRIUM OF ELASTIC SYSTEMS AND ITS APPLICATIONS—Carlo Alberto Pio Castigliano, transl. from French by Ewart S. Andrews, new introd by Gunhard A.E. Oravas—Dover, 360 p., 15 plates, illus., paper, \$3. Originally (1919) published in London under the title ELASTIC STRESSES IN STRUCTURE.

WATER RESEARCH: Papers presented at 1965 Seminar in Water Resources Research—Allen V. Kneese and Stephen C. Smith, Eds.—Johns Hopkins Press, 526 p., illus., \$12.50. Provides survey of past efforts and recommendations for future work in economic analysis, water management, evaluation problems, water reallocation, political and administrative problems, hydrology and engineering.

WORLD PROTEIN RESOURCES: Symposium sponsored by the Division of Agricultural and Food Chemistry, ACS, 1965—Aaron M. Altschul, Chmn.—Am. Chemical Soc., 285 p., illus., \$7. Survey of the general outlook for worldwide protein supplies, and discussion of seed protein products, quality factors and future developments.

Textbooks

ACOUSTICS—Alexander Wood—Dover, 594 p., illus., \$3.50. Unabridged reprint of second (1960) edition of textbook originally published in 1940, offers unusually comprehensive treatment of the theory of sound.

CYTOLOGICAL TECHNIQUES: The Principles Underlying Routine Methods—John R. Baker—Wiley (Barnes & Noble), 5th ed., 149 p., diagrams, \$4.50. Updated, fully rewritten text concerned mainly with the principles of micro-technique but showing the student also some applications of the principles.

GENERAL ZOOLOGY—Gairdner B. Moment—Houghton, 2nd ed., 717 p., illus., \$8.95. Incorporating recent advances in biochemical and behavioral research, this introductory text offers student a firm grounding in the biochemical matrix of biology and a knowledge in depth of how a complex multicellular organism functions.

AN INTRODUCTION TO NONASSOCIATIVE ALGEBRAS—Richard D. Schafer—Academic Press, 166 p., \$7.95. Graduate text, treats alternative algebras in detail, as well as Jordan algebras and their relationship to the exceptional Lie algebras.

MATHEMATICS FOR PHYSICISTS—Philippe Denery and Andre Krzywicki—Harper, 384 p., diagrams, \$12.95. The content of this book includes the material traditionally covered in a senior or first year graduate course. However presentation emphasizes the intuitive aspects of mathematics and concentrates almost exclusively on the mathematics that a physicist will need.

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