

# books OF THE WEEK

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**ANTIBODIES:** Cold Spring Harbor Symposia on Quantitative Biology, Vol. XXXII—Sir Macfarlane Burnet and others, Leonora Frisch, Ed.—Cold Spring Harbor Laboratory, 1968, 619 p., illus., \$20. Collection of 68 papers and discussions on the structure, evolution and genetics of antibodies, synthesis, differentiation and cellular events.

**ASTROPHYSICS AND SPACE SCIENCE:** An International Journal of Cosmic Physics, Vol. 1, No. 1, Jan. 1968—Zdenek Kopal, Ed.-in-Chief, A. G. W. Cameron and others, Co-Eds.—Reidel Pub. Co. (Dordrecht, Holland), 148 p., illus., paper, subscription per volume (4 issues), \$25; two vols. per year. First issue contains articles on the third integral of the galaxy, on models of dense stars and on metagalactic cosmic rays.

**THE BIOLOGICAL WAY OF THOUGHT—**Morton Beckner—Univ. of Calif. Press, 1968, 200 p., paper, \$1.95. Examines the ways in which concept formation and explanation in the biological sciences differs from those in the other natural sciences.

**A BRIEF HISTORY OF FLYING:** From Myth to Space Travel—Charles Harvard Gibbs-Smith—HMSO (British Inform. Services, N. Y.), 1967, 80 p., 128 illus., paper, \$1.30. A Science Museum booklet offering short chronological review of aviation.

**CORROSION AND THE MAINTENANCE ENGINEER—**C. L. Wilson and J. A. Oates—Hart Pub. Co., 1968, 196 p., illus., \$15. Discusses the theory of corrosion, explains in alphabetical order the technical terms and their meaning, from "adhesion" to "wind/water level," and deals with anti-corrosion methods.

**DAWN OF ZOOLOGY—**Willy Ley—Prentice-Hall, 1968, 280 p., illus., \$7.95. Takes the reader on a journey through man's early discoveries and studies of the animal world, as hunter, collector, allegorizer, cleric, systematizer, fossil hunter and explainer.

**ENGINEERING AND THE LIBERAL ARTS:** A Technologist's Guide to History, Literature, Philosophy, Art and Music—Samuel C. Florman—McGraw-Hill, 1968, 278 p., \$8.95. A survey of the civilizing influences, presented in short chapters designed to stimulate and relate to the engineer's point of view.

**FLUCTUATIONS OF GLACIERS, 1959-1965:** A Contribution to the International Hydrological Decade—Peter Kasser—IASH (Unesco Pubns. N.Y.), 1967, 52 p., 25 multi-page tables, folded maps, paper, \$6. A cooperative study of the International Commission of Snow and Ice of the International Association of Scientific Hydrology, UNESCO and IHD.

**THE FORGING OF OUR CONTINENT—**Charlton Ogburn, Jr.; William G. Melson, Consultant—Am. Heritage/Smithsonian (Van Nostrand), 160 p., 95 illus., maps, \$4.95. Takes the general reader on an excursion through the geological history of North America, the natural processes that shaped its distinctive features, and tells how explorers and scientists went about collecting and interpreting the evidence. Includes glossary, chronology, list of museums and bibliography.

**FUTURE PERFECT:** American Science Fiction of the Nineteenth Century—H. Bruce Franklin—Oxford Univ. Press, 1968, 401 p., paper, \$2.25. Reprint (1966), anthology provides perspective on speculative literature and its cultural and social function.

**GALAXIES AND THE UNIVERSE—**Lodewijk Woltjer, Ed.—Columbia Univ. Press, 1968, 112 p., illus., \$6. Contains the 1966 Vetlesen lectures on radio astronomical studies of the galactic systems, X-ray astronomy, and the time scale of creation.

## FREE BOOK!

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**GALILEO: Man of Science—**Ernan McMullin, Ed.—Basic Bks., 1968, 557 p., plates, \$15. Compendium of writings assessing Galileo's achievements and contributions to physics, astronomy, mathematics, cosmology, instrument technology and his influence on the philosophy of his time.

**GEBBIE HOUSE MAGAZINE DIRECTORY—**Bill Penkert, Ed.—Gebbie Directory, 1968, 6th ed., 478 p., illus., paper, \$24.95. A PR and free-lance guide to U.S. and Canadian leading house organs, with printers' list, subject and circulation breakdown. Issued every three years only.

**HANDBOOK OF ELECTRONIC ENGINEERING—**L.E.C. Hughes and F. W. Holland, Eds., foreword by Percy Dunsheath—CRC Press, 1967, 3rd ed., 1532 p., illus., \$27. Thoroughly revised reference to the latest unclassified knowledge and techniques useful to engineers in industry and in development laboratories.

**HANDBOOK OF FOOD ADDITIVES—**Thomas E. Furia, Ed.—CRC, 1968, 771 p., illus., \$18.50. Up-to-date information on the properties and uses of additives intended to establish, maintain and enhance product integrity, through color additives, enzymes, vitamins and amino acids, antimicrobial agents, acidulants, gums, starch, flavorings and sweeteners.

**HIGH ENERGY PHYSICS—**Hal Hellman—Lippincott, 1968, 192 p., photographs, diagrams by Edward A. DeVille, \$4.75. Interprets for the young adult the world of matter and anti-matter, particles and their interactions, the theory and the experimental approach to high energy physics.

**THE LAND AND PEOPLE OF BURMA—**Lionel Landry—Lippincott, 1968, 157 p., photographs, map, \$3.25. A portrait of the Burmese, their customs, culture and contemporary scene.

**THE LAND AND PEOPLE OF PAKISTAN—**Robert Lang—Lippincott, 1968, 159 p., photographs, maps, \$3.25. Portrait of a nation, its history and customs.

**LYDIA J. ROBERTS AWARD ESSAYS:** A Compilation of Essays—Felisa J. Bracken and others—Am. Dietetic Assn., 1968, 128 p., \$4. Essays on nutritional deficiencies and infant feeding, nutrition education, nutrition of children, and the history of nutrition and dietetics.

**THE MARVELOUS ANIMALS:** An Introduction to the Protozoa—Helena Curtis—Natural Hist. Press, 1968, 189 p., photographs, drawings by Shirley Baty, \$5.95. There are 30,000 species of protozoa known today, this book tells the general reader what protozoa are, how they move, their way of life, birth and death, their behavior and the characteristics of different subphyla.

**MINORITY GROUP ADOLESCENTS IN THE UNITED STATES—**Eugene B. Brody, M.D., Ed.—Williams & Wilkins, 1968, 243 p., \$8.25. Contributions by psychiatrists, anthropologists and psychologists to a better understanding of the alienated adolescents' identity crisis within the urban society they inhabit.

**MOUND BUILDERS OF ANCIENT AMERICA:** The Archaeology of a Myth—Robert Silverberg—N.Y. Graphic Soc., 1968, 369 p., 60 illus., maps, \$8.95. Presents in handsome form the discovery of the mounds, the making, triumph and deflation of the myth, the great debate, and the collection of Adena and Hopewell finds.

**THE NEW MATERIALS—**David Fishlock—Basic Bks., 1968, 240 p., 71 photographs, diagrams, \$5.95. Explores the world of laboratory-created and improved materials with special properties, emphasizing the potentialities of this advance in modern technology.

**NEW WAYS TO DIAGNOSE ELECTRONIC TROUBLES—**Jack Darr—TAB Bks., 288 p., 146 illus., \$6.95; paper, \$3.95. Practical servicing book, explains how to locate troubles fast.

**1967 STEAM CHARTS—**F. Dollin, H. W. Bradley and J. W. Dalton—Electrical Research Assn. (St. Martin's Press), 64 p., \$12.50. Features large-scale sectionalized enthalpy-entropy (Mollier) chart extending over 50 pages.

**NUCLEAR FORCES:** Introduction to Theoretical Nuclear Physics—Gernot Eder, transl. from German by Irving Kaplan—M.I.T. Press, 1968, 349 p., \$17.50. Intended as an introduction to those methods that provide a unified view of the interactions

of nuclear particles, deals with two-nucleon systems, single-particle problems, many-body problems, nuclear reactions, and interactions between nucleons and other elementary particles.

**A PRACTICAL APPROACH TO TECHNICAL ILLUSTRATION—**Robert Batho—Hart Pub. Co., 1968, 72 p., drawings by Peter Dennison, \$7.50. A geometry of close perspective drawing.

**THE PREVENTION OF MENTAL RETARDATION THROUGH CONTROL OF INFECTIOUS DISEASES—**Heinz F. Eichenwald, M.D., Chmn.—NICHHD (GPO), 1968, 396 p., illus., paper, \$2.50. Proceedings of the 1966 Conference, reporting recent advances in the field, the effects of prenatal and perinatal infections, mechanisms of central nervous system damage, therapy and prevention of infectious disease.

**RASPAIL: Scientist and Reformer—**Dora B. Weiner—Columbia Univ. Press, 1968, 336 p., illus., \$11. A scholarly biography of the French biologist, medical practitioner and political reformer, with a chapter on the young researcher, 1822-1830, written by his great-granddaughter.

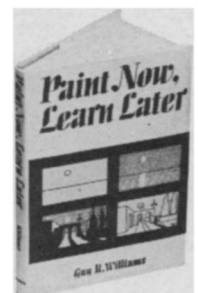
**RESIDUE REVIEWS:** Residues of Pesticides and Other Foreign Chemicals in Foods and Feeds, Vol. 22—Francis A. Gunther, Ed.—Springer-Verlag, N.Y., 1968, 119 p., \$9.50. Deals in detail with the properties, residues and analytics of the insecticide endosulfan.

**SCIENCE POLICY AND ORGANIZATION OF RESEARCH IN THE U.S.S.R.—**N.I. Tiskevic, Ed.—UNESCO (Unesco Pubns. Center, N.Y.), 1967, 116 p., paper, \$1.50. Historical survey of scientific research in the U.S.S.R., its organization, structure of research bodies and their interrelations, financing of research, training of manpower, and the political system.

**SERVICING TRANSISTOR EQUIPMENT:** A Systematic Guide to the Servicing of Transistor Radio, Television, Tape and Hi-Fi Equipment—Gordon J. King—Hart Pub. Co., 1968, 151 p., illus., \$7.95. For technician, student and hobbyist.

**SOVIET TRANSPORT EXPERIENCE:** Its Lessons for Other Countries—Holland Hunter—Brookings Institution, 1968, 194 p., diagrams, \$6. Analyzes the Soviet record and its implications for developing countries, in view of the Soviet decision to minimize road investment relative to investment in rail and water transport, and its particular success in modernizing railroads.

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