

# Books of the Week

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**THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC for the Year 1968**—Nautical Almanac Office, U.S. Naval Observatory—GPO, 512 p., \$4.25. Includes 27-page Supplement to the A.E. 1968, introducing the IAU system of astronomical constants into the astronomical ephemeris with analysis of its introduction into the ephemerides.

**ANNUAL REVIEW OF NUCLEAR SCIENCE, Vol. 16**—Emilio Segre, Ed., Gerhart Friedlander and H. Pierre Noyes, Assoc. Eds.—Annual Reviews, 671 p., diagrams, \$8.50. Among topics treated are modes of radioactive decay involving proton emission, isobaric spin in nuclear physics, thermal reactor neutron beams, and decays of neutral K mesons.

**ATTRACTING BIRDS:** From the Prairies to the Atlantic—Verne E. Davison—Crowell, 252 p., illus., \$6.95. A complete guide to the food preferences and nesting sites of more than 400 species, to the plants and other foods they use, with technical index to common names of birds and of plants. Bibliography included.

**BEYOND THE OBSERVATORY**—Harlow Shapley—Scribner, 222 p., \$4.50. Collection of essays intermingling philosophical views of practical sociology with the author's professional discipline of astronomy, printed in highly readable, well-lead type.

**BROADCAST ANTENNA SYSTEMS HANDBOOK**—Verne M. Ray, Ed.—TAB Bks., 158 p., illus., paper, \$7.95. An aid to broadcast engineers involved in antenna system engineering and maintenance.

**CATV OPERATOR'S HANDBOOK**—Verne M. Ray, Ed.—TAB Bks., 158 p., illus., paper, \$7.95. Practical advice for the Community Antenna Television operator.

**COLLEGE ADMISSIONS AND THE PUBLIC INTEREST**—B. Alden Thresher—College Entrance Examination Bd., 93 p., \$2.50. Essays deal with admissions as a social process, the student's decision, admissions from the point of view of faculty and institution, and college admissions as a distribution system.

**COMPUTERS IN HIGHER EDUCATION:** Report of the President's Science Advisory Committee—John R. Pierce, Panel Chmn.—White House (GPO), 79 p., paper, 30¢. An evaluation of present uses of computers in colleges and universities and recommendations for future expansion of their role.

**A CONCISE HISTORY OF MATHEMATICS**—Dirk J. Struik—Dover, 3rd rev. ed., 195 p., illus., paper, \$2. Follows the history of mathematics to the end of the 19th century.

**EDUCATION FOR COMMUNITY PSYCHIATRY**—Formulated by the Committee on Medical Education—GAP, 50 p., paper, \$1. Conclusions of study that explores the impact of community psychiatry on current psychiatric training.

**FISHES OF THE ATLANTIC COAST OF CANADA**—A. H. Leim and W. B. Scott—Fisheries Research Bd. of Canada (Queen's Printer, Ottawa), 485 p., illus., \$8.50. Comprehensive, authoritative book on the fishes taken off the 21,000 miles of Canadian Atlantic coastline.

**FOUR-LEGGED AUSTRALIANS:** Adventures with Animals and Men in Australia—Bernhard Grzimek, transl. from German by J. Maxwell Brownjohn—Hill & Wang, 312 p., 100 photographs, maps, \$7.95. Informally presented facts and observations about the fascinating wildlife of Australia, profusely illustrated.

**INTERDISCIPLINARY PERSPECTIVES OF TIME**—Roland Fischer and Arne Sollberger, Eds.—N.Y. Acad. of Sciences, Annals, Vol. 138, Art. 2, 548 p., illus., paper, \$12. These conference papers and discussions cover many aspects of the natural measurement of time, of time-controlled biological and physical phenomena and of the philosophy concerning the mental image of time.

**INTERNATIONAL SYMPOSIUM ON THE NUCLEOLUS, ITS STRUCTURE AND FUNCTION**—W. S. Vincent and O. L. Miller, Jr., Eds.—National Cancer Institute (GPO), 610 p., 57 plates, diagrams, \$5. Conference papers and discussions deal with nucleolar structure and composition, the nucleolus in the cell cycle, nucleolar genes and ribosome biogenesis.

**KEYS TO CAREERS IN SCIENCE AND TECHNOLOGY, 1967**—National Science Teachers Assn.—NEA, 52 p., paper, \$1. Annotated list of career pamphlets or books grouped by subjects.

**KNOTCRAFT:** The Art of Knot Tying—Allan and Paulette Macfarlan—Assn. Press, 186 p., illus., by P. Macfarlan, \$5.95. Clear instructions, for use and entertainment.

**NATIONAL DOCUMENT-HANDLING SYSTEMS FOR SCIENCE AND TECHNOLOGY**—Lauron F. Carter and others—Wiley, 344 p., diagrams, \$9.95. Study describes the present system, document-handling institutions and flow of documents, discusses problems associated with present system, alternative approaches and evaluation of alternatives.

**NATURE IN THE CITY**—John Rublowsky—Basic Bks., 152 p., photographs, \$4.95. Engagingly tells the story of adaptation and survival of those hardy creatures in the ecology of the modern city—dogs and rats, birds and cats, insects and city trees.

**NEW TRENDS IN CHEMISTRY TEACHING, Vol. I (1964-65)**—E. Cartmell, Ed.—(Unesco Pubs. Center, N.Y.), 359 p., illus., paper, \$7. Collected papers published in the leading science-teaching journals of the world, organized in groups, ranging from classroom presentation to curriculum reform.

**OLSON'S ORIENT GUIDE**—Harvey S. Olson—Lippincott, 3rd ed. 1008 p., illus. by Cy Ferring, maps, \$6.95. Well-indexed travel guide with general and specific useful information in new compact format.

**THE ORIGIN OF THE ICELANDERS**—Barthi Guthmundsson, transl. with introd. and notes by Lee M. Hollander—Univ. of Neb. Press, 173 p., \$5.75. Annotated translation of articles that appeared in Icelandic journals between 1942-1951, authored by the Keeper of the National Archives of Iceland.

**PALENQUE:** The Walker-Caddy Expedition to the Ancient Maya City, 1839-1840—David M. Pendergast, Ed.—Univ. of Okla. Press, 213 p., illus., \$6.95. Diary, drawings and official report of the first government expedition to the ancient Maya ceremonial center of Palenque, in Chiapas, Mexico.

**THE PESTICIDE PROBLEM:** An Economic Approach to Public Policy—J. C. Headley and J. N. Lewis—Resources for the Future (Johns Hopkins Press), 141 p., paper, \$3.50. Study offers an analysis of the nature and extent of present use of pesticides, a preliminary assessment of the consequences, and provides foundation for policy formulation.

**PROJECT METRAN:** An Integrated, Evolutionary Transportation System for Urban Areas—Mark E. Hanson, Ed.—M.I.T. Press, 262 p., illus., paper, \$7.50. An Interdepartmental Student Project in Systems Engineering at M.I.T., projected for the Boston area circa 1990.

**RESIDUE REVIEWS:** Residues of Pesticides and Other Foreign Chemicals in Foods and Feeds, Vol. 17—Francis A. Gunther, Ed.—Springer Verlag, N.Y., 184 p., diagrams, \$8.50. Contributions deal with fluorescence and phosphorescence of synergists, insecticide screening methods, polynuclears as residues, and the metabolism of contact insecticides in stored grains.

**SOCIAL TECHNOLOGY**—Olaf Helmer; contributions by Bernice Brown and Theodore Gordon—Basic Bks., 108 p., diagrams, \$5.95. Concerned with a reappraisal of methodology in the social sciences, offering specific proposals for modification illustrated by examples. Explains the authors' "Delphi" technique and analyzes other methods of forecasting scientific and social innovation.

**STUDY OF METHODS FOR SYNCHRONIZING REMOTELY-LOCATED CLOCKS**—Sperry Gyroscope Co.—NASA CR-738 (CFSTI), 206 p., diagrams, map, paper, \$3.75. Report discusses time scale functions, propagation characteristics of electromagnetic waves, VLF clock synchronization systems in all major frequency bands as well as those of line-of-sight and satellite systems, and presents analysis and findings.

**VIRUSES INDUCING CANCER:** Implications for Therapy—Walter J. Burdette, Ed.—Univ. of Utah Press, 498 p., illus., single copies free to libraries and individuals involved in research. Papers and discussions on the role of viruses in the etiology of cancer, and on the diagnosis and management of ontogenic viral infections.

**THE WALKING PATIENT:** A Study in Outpatient Care—Marvin B. Sussman and others—Press of Western Reserve Univ., 260 p., \$7.50. Sociological study providing a comprehensive picture of an outpatient department in a metropolitan setting, its patients, administration, patterns of service, staff and effects of modernization.

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