

# Books of the Week

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**ADVANCED PLACEMENT PROGRAM:** Course Descriptions—College Entrance Examination Board, 160 p., illus., paper, \$1.50. Describes the administration and typical examination questions of the program designed to stimulate students to higher achievement.

**APPLICATIONS OF ABSORPTION SPECTROSCOPY OF ORGANIC COMPOUNDS**—John R. Dyer—Prentice-Hall, 143 p., diagrams, \$2.50. Stresses the practical interpretation of data in ultraviolet, infrared and nuclear magnetic resonance spectroscopy.

**AURORAL PHENOMENA:** Experiments and Theory—Martin Walt, Ed.—Stanford Univ. Press, 170 p., illus., \$6.50. An up-to-date, authoritative summary of current experimental and theoretical work on the polar aurora, for professional workers and graduate students in geophysics and space physics.

**BIOLOGY**—Elsbeth Kroeber, Walter H. Wolff and Richard L. Weaver—Heath, 2nd ed., 646 p., photographs, diagrams, \$6.48. An eighth to nine grade level textbook oriented toward outdoor experiences.

**BIRDS WITH BRACELETS:** The Story of Bird-Banding—Susan F. Welty—Prentice-Hall, 72 p., illus., \$3.50. Tells boys and girls about the technique and purpose of bird-banding.

**CERAMICS, PLASTICS AND METALS:** An Introduction to the Science of Solids—Richard H. Krook and Merrill L. Ebner—Heath, 110 p., illus., paper, \$1.32. Describes the various properties of solids in terms of atomic and molecular structure and compares them from the viewpoint of the materials scientist.

**DICTIONARY OF DEMONOLOGY**—Collin de Plancy, transl. from French by Wade Baskin, Ed.—Philosophical Lib., 177 p., \$6. A translation of an early 19th century book that has been reprinted many times.

**EFFECTS OF RADIATION ON SEMICONDUCTORS**—Viktor Sergeevich Vavilov, transl. from Rus-

sian by A. Tybulewicz—Consultants, 225 p., diagrams, \$15. Considers the most typical problems of the effects of electromagnetic radiation and high-energy particles on semiconductors, such as the absorption of infrared radiation.

**EMULSIONS:** Theory and Practice—Paul Becher—Reinhold, 2nd ed., 440 p., illus., \$22. An updated reference tool for workers in such fields as cosmetics, food, petroleum, coatings, high polymers and plastics, pharmaceuticals and textiles.

**EVALUATION IN ELEMENTARY SCHOOL SCIENCE**—Harold E. Tannenbaum and Nathan Stillman with Albert Piltz—OE (GPO), 75 p., paper, 45¢. Intended as a guide for evaluation, useful to supervisors, administrators and teachers.

**EXPERIENCE IN RENAL TRANSPLANTATION**—Thomas E. Starzl—Saunders, 383 p., illus., \$17. An account of experimental procedure and experience with transplantation of kidneys into uremic patients, with recorded data and analysis of results.

**EXTRATERRESTRIAL LIFE, A BIBLIOGRAPHY, Part I: Report Literature 1952-1964**—NASA (GPO), 76 p., paper, 45¢. A selected listing of annotated references to unclassified scientific and technical reports.

**THE FIRST BOOK OF FISHES**—Jeanne Bendick—Watts, Franklin, 72 p., illus., \$2.65. Informs children about a variety of fishes.

**FOOD HABITS RESEARCH:** Problems of the 1960's—Margaret Mead—NAS-NRC, 39 p., paper, \$1.80. Describes briefly the history of the Committee on Food Habits during World War II, developments thereafter in the applied science of changing food habits, and the relevance of cultural anthropology to preparing coming generations for strange new foods.

**FORMULA INDEX TO NMR LITERATURE DATA, Vol. 1: References prior to 1961**—M. Gertrude Howell, Andrew S. Kende and John S. Webb, Eds.—Plenum Press, 206 p., diagrams, \$17.50. Catalog of organic compounds for which nuclear magnetic resonance data have been reported in the scientific literature.

**FOSSILS**—E. Laurence Palmer—Heath, 124 p., illus., paper, \$1.32. Prepared in cooperation with the Paleontological Research Institution, this concise introductory book includes a guide to more than 200 fossil species.

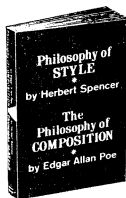
**FOUNDATIONS OF PHYSICS**—Robert L. Lehman and Clifford Schwartz—Holt, 694 p., diagrams, photographs, \$6.20. A modern physics text at high school level, written in the form of a dialogue with the student, continually posing questions in the body of the text.

**GOVERNMENT AND MANPOWER:** A Statement by the National Manpower Council with Background Papers by the Council Staff—Erwin D. Canham, Chmn.—Columbia Univ. Press, 470 p., \$8.50. This volume focuses on the dual role of governments in the U.S.—federal, state and local—as consumers and producers of manpower resources.

**HEALTH AND HEALING IN RURAL GREECE:** A Study of Three Communities—Richard and Eva Blum, asst'd by Anna Amera and Sophie Kallifatidou—Stanford Univ. Press, 269 p., \$7.50. Provides the reader with an understanding of the health beliefs and practices of Greek peasants and shepherds.

**HONKER:** The Story of a Wild Goose—Robert M. McClung—Morrow, 64 p., illus., \$2.75. A child's book about Canada geese.

**IF I WERE A BIRD**—Gladys Conklin—Holiday House, unpag., illus. by Artyr Marokvia, \$3.50.



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Describes the ways and sounds of 23 birds from a child's eye view.

**INDIAN WARRIORS AND THEIR WEAPONS**—Robert Hofsinde (Gray-Wolf)—Morrow, 96 p., illus. by author, \$2.75. About Ojibwa, Iroquois, Sioux, Blackfeet, Crow and Apache fighting methods, for young readers.

**INFRARED BAND HANDBOOK:** Supplements 1 & 2—Herman A. Szymanski, Ed.—Plenum Press, 259 p., \$15. The present volume covers the range from 15 to 25 microns, a region becoming increasingly more important in compound identification.

**JOURNAL OF EXPERIMENTAL SOCIAL PSYCHOLOGY, Vol. 1, No. 1**—John Thibaut, Ed.—Academic Press, 102 p., diagrams, paper, quarterly, \$16 annually; \$8 for certified private subscribers. This first issue contains articles on group risk taking, collective behavior in simulated panic, and alteration of group structure.

**JUNIOR MECHANICS HANDBOOK**—Garry Winter, Ed.—Arco Pub. Co., 144 p., illus., \$2.95. Clearly explained projects for mechanically-minded youngsters, projects range from pogo stick to miniature monorail train.

**LOOK TO THIS DAY:** The Lively Education of a Great Woman Doctor, Connie Guion, M.D.—Nardi Reeder Campion with Rosamond Wilfrey Stanton—Little, 308 p., photographs, \$4.95. Juvenile biography.

**A MODEL OF THE BRAIN**—J. Z. Young—Oxford Univ. Press, 348 p., illus., \$8. Provides an interdisciplinary approach to the understanding of brain function, the mechanisms of learning and form discrimination, using the octopus brain to describe some of the features that allow a nervous system to learn.

**MODERN EARTH SCIENCE**—William L. Ramsey and Raymond A. Burckley—Holt, rev. ed., 664 p., photographs, diagrams, \$5.96. An up-to-date high school text attempting to give a basic understanding of the earth and its position in the universe.

**MODERN FOREIGN LANGUAGES AND YOUR CHILD**—Marjorie C. Johnston and Elizabeth Keese—OE (GPO), 43 p., illus., 25¢. Discusses new aims stressing communication, the use of talking machines, books, and how parents can help.

**THE MOTHER TONGUE**—Lancelot Hogben—Norton, 294 p., illus., \$7.50. Reveals the family resemblances of today's dozen Teutonic and Romance languages and encourages the English reader to make the most effective use of his hybrid linguistic heritage.

**A NATIONAL PROGRAM TO CONQUER HEART DISEASE, CANCER AND STROKE:** Report to the President, Vol. 1—The President's Commission on Heart Disease, Cancer and Stroke, Michael E. DeBakey, Chmn.—GPO, 114 p., illus., paper, \$1.25. For story see SNL Jan. 16, 1965, p. 35.

**NEUROSPORA BIBLIOGRAPHY AND INDEX**—Barbara J. Bachmann and Walter N. Strickland—Yale Univ. Press, 225 p., paper, \$4. Consists of a list of 2,310 papers dealing with Neurospora, from earliest known descriptions to present.

**1965-6 CEEB ADMISSIONS SCHEDULES OF THE MEMBER COLLEGES**—College Entrance Examination Board, 48 p., paper, 50¢. Booklet summarizes the basic College Board test requirements of member colleges for students desiring admission as Freshmen in September 1966.

**PATIENT MONITORING IN THE HOSPITAL**—Robert M. Farrier and others—N.Y. Acad. of Sciences, Annals, Vol. 118, Art. 7, 51 p., paper, \$3. Deals with operation room and postoperative monitoring system, and with electronic instrumentation in neurosurgical anesthesia.

**PATTERNS OF PERCEPTUAL-MOTOR DYSFUNCTION IN CHILDREN:** A Factor Analytic Study—A. Jean Ayres—Perceptual and Motor Skills, MS 1-V20, 32 p., paper, \$1.50. Analysis of test scores and discussion of syndromes characteristic of dysfunction.

**PERPETUAL MOTION:** Electrons and Atoms in Crystals—Alec T. Stewart—Doubleday, 146 p., 16 plates, diagrams, paper, \$1.25. Explains electrical, physical and chemical properties in terms of crystal structure, and introduces reader to the theoretical basis on which the solid state electronics industry has been built.

**THE PHILOSOPHY OF HISTORY**—Voltaire with preface by Thomas Kiernan—Philosophical Lib., 246 p., \$6. Reprint of original 1766 edition.

**PHOTOGRAPHIC LENSES**—C. B. Nablette with Allen E. Murray—Morgan & Morgan, 152 p., illus., \$6.95. About properties, development and manufacture of lenses, general lens performance and specific photographic lenses.

**THE PRINTERS**—Leonard Everett Fisher—Watts, Franklin, 46 p., illus. by author, \$2.65. Shows young readers how these Colonial craftsmen worked.

**THE WORLD OF THE WITCHES**—Julio Caro Baroja, transl. from Spanish by O. N. V. Glendinning—Univ. of Chicago Press, 313 p., 18 plates, \$6.50. Spanish anthropologist deals with the history of witchcraft, from classical antiquity to the Middle Ages, through the 16th and 17th centuries with special emphasis on the Basque region, to the sobering impact of 18th-century rationalism.

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