

# Books of the Week

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**ADVANCES IN COMPARATIVE PHYSIOLOGY AND BIOCHEMISTRY**, Vol. 2—O. Lowenstein, Ed.—Academic Press, 403 p., illus., \$14.50. Contains sections on the electrobiology of excitable membranes, invertebrate central neurons, knallgas bacteria, and comparative physiology of marsupials.

**BIRDS OF THE NORTHERN FOREST**—J. F. Lansdowne and John A. Livingston—Houghton, 247 p., 56 color plates, drawings, \$20. Exquisite full-page portraits of Canadian birds with descriptive text by ornithologist, from waterfowl and game birds to the more familiar thrushes, finches, sparrows and warblers.

**THE BROOKINGS INSTITUTION: A Fifty-Year History**—Charles B. Saunders, Jr.—Brookings, 118 p., illus., paper, \$2. A review of the Institution's special contributions to research on problems of law, government, economics and national policy issues.

**COMMUNITY PSYCHIATRY**—Leigh M. Roberts, Seymour L. Halleck and Martin B. Loeb, Eds.—Univ. of Wis. Press, 252 p., graphs, \$6. Discusses the evolving field of community psychiatry in three sections, as it relates to social values, in terms of practical application, and special issues.

**CONTAMINATION ANALYSIS AND CONTROL**—James L. Dwyer—Reinhold, 343 p., illus., \$15. Offers a comprehensive guide to the practices of industrial particulate analysis and control. Describes sources and physical characteristics of aerosols and basic techniques for their detection and control.

**CONTINUING EDUCATION FOR ADULTS THROUGH THE AMERICAN PUBLIC LIBRARY, 1833-1964**—Robert Ellis Lee—Am. Library Assn., 158 p., \$7.50. This short history identifies the major stages in the growth of the adult educational work of public libraries and analyzes the main features of the evolving philosophy of library adult education.

**THE COWLES COMPREHENSIVE ENCYCLOPEDIA: The Volume Library**—Gardner Cowles, Ed.-in-Chief—Cowles Educational Bks., 2,482 p., color plates, photographs, illus., 65-page map section, \$49.50. One-volume reference organized topically into sixteen textbook sections with more than 20,000 entries and specialized glossaries. Up-to-date bibliographies follow specific subjects. Includes tabulated data on 1,500 colleges and universities.

**THE CREATIVE ELITE IN AMERICA**—Nathaniel Weyl—Public Affairs Press, 236 p., \$6. A study of the social forces spawning, enlarging and protecting human intelligence, the contribution of immigrations, as well as an analysis of the history of the Jewish people as an example of eugenic reproduction for the development of innate intellectual abilities.

**THE CRYSTAL SPIRIT: A Study of George Orwell**—George Woodcock—Little, Brown, 366 p., \$6.95. An analytical study of the works of the author of NINETEEN EIGHTY-FOUR.

**CRYSTAL SYMMETRY AND PHYSICAL PROPERTIES**—S. Bhagavantam—Academic Press, 230 p., diagrams, \$9.50. Largely based on work carried out by the author, the book gives a connected account of results in the application of group theoretical methods to the solution of problems in crystal physics involving the effect of symmetry.

**CURRENT RESEARCH AND DEVELOPMENT IN SCIENTIFIC DOCUMENTATION**, No. 14—Office of Science Information Service, National Science Foundation—GPO, 662 p., paper, \$2. Descriptive statements dealing with research activities in scientific documentation and closely related fields.

**THE DEVELOPMENT OF ZONAL CENTRIFUGES AND ANCILLARY SYSTEMS FOR TISSUE FRACTIONATION AND ANALYSIS**—National Cancer Institute, AEC, Norman G. Anderson, Ed.—GPO, 526 p., illus., \$4.75. Interdisciplinary reports on the development of zonal centrifuges, continuous-flow centrifuges, studies on gradient materials, subcellular particle separation and molecular separations in zonal centrifuges.

**FAMOUS FOSSIL FINDS: Great Discoveries in Palaeontology**—Raymond Holden—Dodd, 100 p., illus., by John Martinez, \$3.50. Tells boys and girls about the work of well-known fossil hunters

and their discoveries in different parts of the world

**FIRST EXPERIMENTS WITH GRAVITY**—Harry Milgrom—Dutton, 56 p., illus., by Lewis Zacks, \$3.25. Helps children explore the force of gravity with 20 basic experiments at grade school level.

**THE GENE: A Critical History**—Elof Axel Carlson—Saunders, 301 p., illus., \$9. This critical study of the history of the gene concept is restricted to a series of themes, such as the unit-character fallacy, associative inheritance, point mutation, the plasmagene theory, the operon, and the coding problem.

**GEORGE WASHINGTON CARVER: The Man Who Overcame**—Lawrence Elliott—Prentice-Hall, 256 p., portrait, \$4.95. Movingly written biography, recreating the struggles and achievements of the Negro scientist who applied his many talents to the benefit of mankind.

**HALFWAY TO 1984**—Gladwyn Jebb, Lord Gladwyn—Columbia Univ. Press, 89 p., \$3.95. Based on lectures originally presented in 1965, the book deals with the struggles for power since World War II, the present nuclear stalemate or balance of terror, and finally, with the great problems confronting us: automation, population growth, food production.

**HOW LOW INCOME COUNTRIES CAN ADVANCE THEIR OWN GROWTH: The Lessons of Experience**—Research and Policy Committee—Committee for Economic Development, 57 p., maps, paper, \$1.50 direct to CED, 711 Fifth Ave., New York 10022. Describes the internal aspects of economic development and the essential requirements for achieving sustained growth in per capita income, drawn from the experience of low-income countries.

**JUNGLE MAGIC: My Life Among the Witch Doctors of West Africa**—James H. Neal—McKay, 191 p., photographs, \$4.50. The author, a former Chief Investigations Officer of the Government of Ghana, describes his experiences with the magic cult of Ju-ju.

**JUNIOR SCIENCE BOOK OF WATER**—Ottis Peterson—Garrard Pub. Co., 63 p., photographs, illus., by Dan Koerner, \$1.98. Interesting reading for primary grade children.

**LIFE OF MENDEL**—Hugo Itlis, transl. by Eden and Cedar Paul—Hafner, 336 p., plates, illus., \$5.75. Reprint (1932), reconstructs the life of the Augustinian monk whose experiments in the middle of the 19th century, a blend of botany and algebra, resulted in the formulation of the law of heredity.

**LIVING ARCHITECTURE: Roman**—Gilbert Picard, preface by Paolo Portoghesi—Grosset & Dunlap, 192 p., photographs by Yvan Butler, drawings, \$7.95. Magnificently illustrated, the book presents a contemporary appraisal of the concept of the organic whole in Roman architecture, showing how isolated buildings were related to towns and surrounding country side.

**THE MANY HUMAN SENSES**—Robert Froman—Little, Brown, 161 p., illus., by Feodor Rimsky, \$4.50. Describes what is presently known about the functioning of man's senses in an interesting way to young adults.

**MEASURING ADVERTISING READER-SHIP AND RESULTS**—Daniel Starch—McGraw, 270 p., diagrams, \$8.95. Brings together and analyzes the results of 40 years' research and experience in the measurement of advertising effectiveness, giving detailed consideration to the methods by which readership of advertisements has been investigated.

**MEN AND APES**—Ramona and Desmond Morris—McGraw, 271 p., photographs, drawings,

\$7.95. Copiously illustrated, the book deals with the varied relationships between man and the higher primates, from sacred apes to research animals.

**MODERN INTERNATIONAL NEGOTIATION: Principles and Practices**—Arthur Lall—Columbia Univ. Press, 404 p., \$8.95. Describes the numerous forms of negotiation now available to governments, drawing on 20 years of the author's experience to select for treatment many of the major issues involving multilateral and bilateral methods, public diplomacy and quiet diplomacy, conference and parliamentary diplomacy, as well as combinations of these techniques.

**MOUNTAINS OF BRITAIN**—Edward C. Pyatt, —Batsford (Hastings House), 216 p., photographs, maps, \$5.95. Surveys the hills and mountains of Scotland, England, Wales and Ireland, discussing their geology and natural history, and their attractions to the hiker.

**NEW APPLICATIONS OF MODERN MAGNETS**—G. R. Polgreen—MacDonald (Ginn), 330 p., diagrams, \$12.50. Intended for engineers and students interested in the application of ferrite magnets to transportation systems and components, mobile power units, electrical control units and allied subjects.

**THE NEW COLLEGE LATIN & ENGLISH DICTIONARY**—John C. Traupman—Grosset & Dunlap, 502 p., \$4.95. Complete vocabulary lists of more than 40,000 words and phrases, Latin-English and English-Latin. Includes mythological, geographical and historical names, classical and ecclesiastical pronunciation guides.

**NEW MATH FOR ADULTS ONLY**—Lola May and Ruth Moss—Harcourt, 88 p., illus., by Roy Doty, \$2.95. Clear explanations, entertainingly illustrated, of the essential ideas and terminology used in the new math concept of teaching arithmetic to children.

**THE NEW WORLD OF PETROLEUM**—Alfred Lewis—Dodd, 80 p., photographs, \$3. About the buried energy in petroleum and the many modern products derived from it.

**ON TRANSLATION**—Achilles Fang and others; Reuben A. Brower, Ed.—Oxford Univ. Press, 296 p., paper, \$1.95. Essays by translators on translating and on the various approaches to special translation problems.

**PLANTS WITHOUT LEAVES: Lichens, Fungi, Mosses, Liverworts, Slime-Mold, Algae, Horse-tails**—Ross E. Hutchins—Dodd, 152 p., photographs by author, \$3.50. Attractively presented description of groups of plants, their reproduction, uses and unusual ways of surviving.

**PRELUDE TO CHEMISTRY: An Outline of Alchemy, Its Literature and Relationships**—John Read—M.I.T. Press, 328 p., illus., paper, \$2.95. Reissue of second edition (1939), covers the history of alchemy from its first stirrings in Egypt and India through the developments of the Pythagoreans and the transmutations of the Chinese and the central Europeans.

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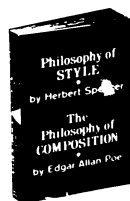
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