

# Books of the Week

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**ADVANCES IN CRYOGENIC ENGINEERING**, Vol. 11—K. D. Timmerhaus, Ed.—Plenum Press, 712 p., illus., \$19.50. Contains proceedings of 1965 Cryogenic Engineering Conference, papers deal with insulation, refrigeration, space technology, cryogenic properties, phase equilibria, mechanical properties, heat transfer and superconductivity.

**AERODYNAMICS: A Space-Age Survey**—John E. Allen—Harper, 128 p., illus., paper, \$1.25. Reprint (1963), written for the non-specialist, young student and layman.

**BETWEEN WIND AND WATER**—Gerald Warner Brace—Norton, 219 p., illus. by author, \$4.95. About living, cruising and sailing along the coast of Maine.

**BIOLOGICAL TECHNIQUES: Collecting, Preserving and Illustrating Plants and Animals**—Jens W. Knudsen—Harper, 525 p., 144 illus. by author, \$12. A handbook of professional methods for locating and preserving all types of plant and animal specimens, with appendices on display and slide-making techniques, chemicals and reagents.

**BIOLOGY**—E. Lendell Cockrum, William J. McCauley and Newell A. Younggren—Saunders, 793 p., illus., \$9. Text tries to maintain a balance between morphology and biochemistry at a level compatible with the varied science backgrounds of college students.

**THE BOTTOM OF THE SEA**—A. M. Sullivan—Dun & Bradstreet, 240 p., illus. by George Suyeoka, \$12.50. Handsome gift volume of a long poem celebrating the influence of the sea in the life of man, on the occasion of the 125th Anniversary of Dun & Bradstreet. The author has been a staff member for the past 35 years.

**ECOLOGY AND FIELD BIOLOGY**—Robert Leo Smith—Harper, 686 p., illus. by Ned Smith, photographs, \$12.75. Stress in this text is on biology in the field rather than molecular-oriented biology, selecting for study the more familiar plants and animals and making use of source material of state game and fish departments.

**THE ECONOMICS OF DELINQUENCY**—Belton M. Fleischer, foreword by Morris Janowitz—Quadrangle Bks., 127 p., \$4.50. Develops detailed breakdowns of delinquency statistics, subjects them to time series and to cross-sectional analysis, and summarizes results of empirical investigation.

**EVERYDAY LIFE IN BABYLON AND ASSYRIA**—Georges Contenau—Norton, 324 p., illus., paper, \$1.95. Covers the period between 700 and 530 B.C. as the most representative time of Mesopotamian civilization.

**THE EVOLUTION OF URBAN SOCIETY: Early Mesopotamia and Prehispanic Mexico**—Robert McC. Adams—Aldine Pub. Co., 191 p., maps, \$5.75. A comparative study of two of the best documented examples of great transformation in the human experience with urban development.

**FUNCTIONAL ORGANELLES**—John H. Morrison—Reinhold, 120 p., illus., paper, \$1.95. Acquaints the beginning student with current ideas of how the cell's molecular machinery is put together at the organelles level.

**FUNDAMENTALS OF GEOLOGY**—John J. W. Rogers and John A. S. Adams—Harper, 424 p., illus., tables, \$9.75. A modern text, specifically limited to physical geology in the classical sense.

**GENERAL COLLEGE CHEMISTRY**—Charles W. Keenan and Jesse H. Wood—Harper, 3rd ed., 814 p., illus., \$8.95. Extensively revised edition, much more quantitative throughout, retains its emphasis on descriptive chemistry.

**INFORMATION THEORY AND ESTHETIC PERCEPTION**—Abraham Moles, transl. from French by Joel E. Cohen—Univ. of Ill. Press, 217 p., diagrams, \$7.50. The author's aim is to integrate the essential concepts developed from information theory with modern man's vision of the world, particularly in the domain of the psychology of perception.

**INTRODUCTION TO CHEMICAL THERMODYNAMICS**—M. H. Everdell—Norton, 436 p., \$8.75. Text written for the undergraduate, presents the principles of classical and statistical thermodynamics and shows how these principles may be applied.

**AN INTRODUCTION TO FLUVIAL HYDRAULICS**—Serge Leliavsky—Dover, 257 p.,

illus., paper, \$2. Unabridged reprint of corrected edition of work originally published in 1955.

**LABORATORY MANUAL FOR PHYSICAL GEOLOGY**—Edgar J. McCullough, Jr.—Brown, Wm. C., 210 p., illus., maps, paper, \$3.75. Exercises cover mineralogy, petrography, maps, structural geology and interpretation of topographic maps.

**MINERAL TABLES: Hand Specimen Properties of 1500 Minerals**—R. V. Dietrich—Virginia Polytechnic Institute, 220 p., paper, \$2. These inclusive determinative tables should permit ready identification of minerals with metallic luster, minerals without metallic luster and minerals arranged according to chemical compositions.

**MODERN TRIGONOMETRY**—Kaj L. Nielsen—Barnes & Noble, 269 p., diagrams, paper, \$1.75. An analytic approach to plane and spherical trigonometry with problems and answers.

**THE NEUTRINO: Ghost Particle of the Atom**—Isaac Asimov—Doubleday, 223 p., illus. by author, \$4.95. Traces the chain of events in man's search and understanding of the nature of the neutrino.

**PROCEDURES IN NUCLEIC ACID RESEARCH**—G. L. Cantoni and David R. Davies, Eds.—Harper, 667 p., diagrams, \$25. Contains descriptions of methods for the isolation and characterization of enzymes of nucleic acid metabolism and degradation. Describes techniques for the isolation and preparation of a variety of representative nucleic acids.

**PSYCHOLOGY**—Wilbert James McKeachie and Charlotte Lackner Doyle—Addison-Wesley, 703 p., illus., \$8.50. One-semester text aimed at giving the student a broad coverage of the phenomena of human behavior and experience.

**THE PSYCHOLOGY OF SLEEP**—David Foulkes—Scribner, 265 p., illus., \$6.95. A summary and interpretation, for layman as well as specialist, of the present status of experimental research on psychological aspects of sleep, in particular the mental activity during REM and NREM sleep.

**THE SCIENTIFIC RENAISSANCE, 1450-1630**—Marie Boas—Harper, 376 p., illus., paper, \$2.45. Reprint (1962), originally published as volume II in *The Rise of Modern Science Series*, edited by A. Rupert Hall.

**SO YOU WANT TO BE A SURGEON**—Alan E. Nourse—Harper, 171 p., \$3.50. Career guide, probes the skills and requirements of one of the most demanding of all the medical specialties.

**THE STEP TO MAN**—John Rader Platt—Wiley, 216 p., \$5.95. Collection of essays by a biophysicist, concerned with the evolving nature of man, social and intellectual, what man is and what he may become.

**THE THALAMUS**—Dominick P. Purpura and Melvin D. Yahr, Eds.—Columbia Univ. Press, 438 p., illus., \$15. Proceedings of a symposium which discussed in depth the organization of the thalamus, its afferent and efferent connections and its unique role as a sensorimotor control system in integrated neural processes.

**THREE-DIMENSIONAL FLOW OF IDEAL GAS PAST SMOOTH BODIES**—K. I. Babenko and others, transl. from Russian—NASA TT F-380 (CFSTI) 517 p., diagrams, paper, \$5.50. Concerned with the computation of the three-dimensional flow field near a smooth body arbitrarily placed with respect to the incident supersonic airflow.

**WHITETAIL: The Story of a White-tailed Deer**—George Laycock—Norton, 110 p., photographs, \$3.50. Accurately observed account of a fawn growing up in the wilderness.

**THE WORLD OF THE ATOM, Vols. I and II**—Henry A. Boorse and Lloyd Motz, Eds., foreword by I. I. Rabi—Basic Bks., 1,873 p., illus., two-vol. set boxed, \$35. Presents the actual texts of 143 landmark documents in the development of atomic physics, with commentary and biographical accounts by the editors.

**THE WORLD OF REPTILES**—Angus Bellairs and Richard Carrington—Am. Elsevier Pub. Co., 153 p., illus., 16 plates, \$4.75. A layman's introduction to the special characteristics and latest scientific observations on tortoises and turtles, lizards and the tuatara, snakes and crocodilians.

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## GENERAL SCIENCE

### Physician-Author of Book On Churchill Rapped

► WINSTON CHURCHILL'S physician, Lord Moran, was rapped lightly in an editorial in the *British Medical Journal*, May 28, 1966, because he divulged professional secrets by publishing a book on the famous man's health.

The book, based on Lord Moran's diaries from 1940 to 1965 when he was "official physician," reveals nothing that would detract from Churchill's memory—in fact, Sir Winston's reputation is enhanced, a review in the same issue of the *BMJ* stated.

From April 10 to May 22, 1966, Lord Moran's book has been serialized in the *London Sunday Times*, accompanied by sharp public controversy, and the *British Medical Association*, which publishes *BMJ*, does not want the public to think doctors are countenancing any "loosening of traditional professional reticence about things seen or heard in the course of medical practice."

The *British Medical Association* has its own ethical rule on professional secrecy based on the oath of Hippocrates, however. A paragraph was added in 1959 stating, "the complications of modern life sometimes create difficulties for the doctor in the application of the principle, and on certain occasions it may be necessary to acquiesce in some modification. Always, however, the overriding consideration must be the adoption of a line of conduct that will benefit the patient, or protect his interests."

Lord Moran's book is titled "Churchill: The Struggle for Survival, 1940-1965" (Houghton Mifflin Co., Boston, \$10.00).

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## FIX CLOCKS, WATCHES



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