

Books of the Week

For the editorial information of our readers, books received for review are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C.

ADVANCES IN CANCER RESEARCH, Vol. 6—Alexander Haddow and Sidney Weinhouse, Eds.—*Academic Press*, 524 p., illus., \$13. On blood enzymes in cancer, plant tumor problems, mouse leukemia, and radiation chimeras.

ADVANCES IN ELECTRONIC CIRCUIT PACKAGING, Vol. 2—Gerald A. Walker, Ed.—*Plenum Press*, 328 p., illus., \$12.50. Areas covered include packaging for outer space vehicles, underwater and high impact packaging.

ADVANCES IN VIRUS RESEARCH, Vol. 8—Kenneth M. Smith and Max A. Lauffer—*Academic Press*, 414 p., illus., \$12. On growth of bacteriophage, mumps virus, and contrast enhancement in the electron microscopy of viruses.

ANTOINE LAVOISIER: Scientist, Economist, Social Reformer—Douglas McKie—*Collier Bks*, 317 p., paper, 95¢. Reprint (1952).

ASSOCIATION OF AMERICAN MEDICAL COLLEGES, 1962 Directory—*AAMC*, 275 p., paper, \$2. Lists administrative staff and department heads of all U.S. and Canadian medical schools.

ATOMIC SPECTRA—H. G. Kuhn—*Academic Press*, 436 p., illus., \$13. Thorough introduction to the subject with the approach of a physicist, not a mathematician.

THE BIOLOGY OF HYDRA and Some Other Coelenterates—Howard M. Lenhoff and W. Farnsworth Loomis—*Univ. of Miami Press*, 467 p., illus., \$4.50. Record of 1961 Symposium on the Physiology and Ultrastructure of Hydra, held at Coral Gables, Fla.

BRAIN AND BEHAVIOR, Vol. I: First Conference Proceedings—Mary A. B. Brazier, Ed.—*AIBS*, 433 p., illus., \$7.75. Presents the results of research and multidisciplinary discussion on the nature of somatic sensibility, audition and vision.

CAPSULE CALCULUS—Ira Ritow—*Doubleday*, 177 p., illus., paper, \$1.45. Short introduction to basic principles of calculus, from the engineering viewpoint.

THE CHALLENGE OF UNIDENTIFIED FLYING OBJECTS—Charles A. Maney and Richard Hall, foreword by Charles P. Olivier—*NICAP*, 208 p., illus., \$3.50. Authors present reports to sub-

stantiate their theory that flying saucers really existed.

CHARLES DARWIN'S AUTOBIOGRAPHY With His Notes and Letters Depicting the Growth of the "Origin of the Species"—Sir Francis Darwin, Ed., introd. essay by George Gaylord Simpson—*Collier Bks*, 254 p., paper, 95¢. Reprint (1950).

THE CHEMISTRY AND TECHNOLOGY OF LEATHER, Vol. III: Process Control of Leather Quality—Fred O'Flaherty, William T. Roddy and Robert M. Lollar, Eds.—*Reinhold*, 518 p., illus., \$15. On the role of finishing operations, describing procedures for various types of leather.

ELEMENTS OF THERMODYNAMICS AND HEAT TRANSFER—Edward F. Obert and Robert L. Young—*McGraw*, 2nd ed., 538 p., illus., \$8.95. Presents simple yet rigorous approach to the fundamentals aimed directly at engineering applications.

EMOTIONS AND MEMORY—David Rapaport—*Science Editions*, 282 p., paper, \$1.95. Reprint.

THE FIRST BOOK OF GLACIERS—Rebecca B. Marcus—*Watts, F.*, 65 p., illus., \$1.95. Tells young readers how glaciers develop and how they affect the earth's surface.

THE FIRST BOOK OF MACHINES—Walter Bucher—*Watts, F.*, 53 p., illus. by author, \$1.95. A child's introduction to modern machinery.

FLUORESCENCE ASSAY IN BIOLOGY AND MEDICINE—Sidney Udenfriend—*Academic Press*, 505 p., illus., \$14. Reference volume containing mainly information of a practical nature.

GOURMET COOKING FOR CARDIAC DIETS—Florence Field, introd. by Harold Feil—*Collier Bks*, rev. ed., 415 p., paper, 95¢. Reprint (1953).

THE HERITAGE OF THE BOUNTY—Harry L. Shapiro, rev., with new postscript—*Doubleday*, 301 p., illus., paper, \$1.25. Reprint (1936) of anthropological study of a group of Anglo-Polynesians on Pitcairn Island.

THE INITIAL EFFECTS OF IONIZING RADIATIONS ON CELLS—R. J. C. Harris, Ed.—*Academic Press*, 367 p., illus., \$12. Proceedings of a symposium held in Moscow in October 1960, supported by UNESCO and the IAEA and sponsored by the Academy of Sciences of the USSR.

INSECT FACT AND FOLKLORE—Lucy W. Clausen—*Collier Bks*, 222 p., illus., paper, 95¢. Reprint (1954).

AN INTRODUCTION TO THE STUDY OF EXPERIMENTAL MEDICINE—Claude Bernard, transl. from French by Henry Copley Greene, introd. by Lawrence J. Henderson—*Collier Bks*, 255 p., paper, \$1.50. An essay on method, first published in 1865.

MAKING AN ORCHARD: For Home Fruit Growers—Cledwyn Hughes—*St. Martins*, 120 p., photographs, \$3.50. About English orchards.

MODERN DAIRY CATTLE MANAGEMENT—Richard F. Davis—*Prentice-Hall*, 264 p., illus., \$6.65. Manual of modern dairying methods.

ASTRONOMY

For Everyone

Enjoy **SKY AND TELESCOPE** magazine monthly. Profusely illustrated. Observing and telescope making departments, monthly star and planet charts. Subscription in U. S.: \$5.00, 1 year; \$9.00, 2 years. Sample copy, 50¢.

SKY AND TELESCOPE

Cambridge 38, Mass.
Dept. SNL

MODERN SCIENCE AND ITS PHILOSOPHY—Philip Frank—*Collier Bks*, 316 p., paper, \$1.50. Reprint (1949) of well-written introduction to twentieth-century scientific thought.

MUSHROOMS AND TRUFFLES: Botany, Cultivation and Utilization—Rolf Singer—*Interscience*, 272 p., 32 plates, \$10.25. Presents both the advances in mushroom science and methods recommended for the grower.

NEW GUIDE FOR SHORT WAVE LISTENING: How to Listen to the World—O. Lund Johansen—*Gilfer Associates*, 136 p., illus., paper, \$1.50; \$2 after May 15. General and specific information for the amateur, includes chapter on listening to the satellites.

ORGANIC PEROXIDES—Alwyn G. Davies—*Butterworths*, 215 p., \$9.25. Comprehensive account of the chemistry of these compounds.

PROJECTS: SPACE—Judith Viorst of Science Service—*Wash. Square Press (Science Service)*, 221 p., illus., paper, 45¢. An original, highly readable account of U.S. space exploration program, checked for accuracy by NASA, indexed, featuring more than 80 student space science projects. (See story p. 185.)

A REPORT ON FALLOUT IN YOUR FOOD—Roy Hoopes—*New Am. Lib.*, 128 p., diagrams, paper, 50¢. An original, brings together in concise form information available on radioactivity in foods, on monitoring and on countermeasures the government is considering.

SCIENCE REFERENCE SOURCES—Francis Briggs Jenkins—*Univ. of Ill. (Illini Union Bookstore)*, 3rd ed., 135 p., paper, \$2. Bibliographical manual listing representative titles by subject.

SUBMARINER: The Story of Basic Training at the Navy's Famed Submarine School—Henry B. Lent—*Macmillan*, 181 p., photographs, \$3. For teen-age boys.

SWISS SCHOOLS AND OURS: Why Theirs Are Better—H. G. Rickover, introd. by Mortimer Smith—*Little*, 219 p., \$3.95. Produced under the sponsorship of the Council for Basic Education, the Admiral discusses the Swiss pattern of education, achievements and standards under a democratic system.

THEODORE ROOSEVELT'S AMERICA: Selections from the Writings of the Oyster Bay Naturalist—Farida A. Wiley, Ed.—*Doubleday*, 409 p., illus. by Ugo Mochi, paper, \$1.45. Published in cooperation with the American Museum of Natural History.

THINKING MACHINES: A Layman's Introduction to Logic, Boolean Algebra and Computers—Irving Adler—*New Am. Lib.*, 159 p., diagrams by Ruth Adler, paper, 60¢. Reprint of 1961 publication.

THOMAS JEFFERSON: Scientist—Edwin T. Martin—*Collier Bks*, 246 p., illus., paper, 95¢. Reprint (1952), fully annotated portrait of a statesman fascinated by the applications of science in his time.

THE TIDES and Kindred Phenomena in the Solar System—George Howard Darwin—*Freeman*, 378 p., illus., paper, \$2.75. Republication of 1898 book which summarized in nontechnical language author's conclusions drawn from his theoretical work.

URBANIZATION IN LATIN AMERICA: Proceedings of 1959 Seminar—Philip M. Hauser, Ed.—*Int. Doc. Serv., Columbia Univ. Press*, 331 p., \$4.50. Seminar was jointly sponsored by ECLA, UNESCO, ILO and OAS, discussing population problems in Latin American cities.

X-RAY POWDER DATA FOR ORE MINERALS: The Peacock Atlas—L. G. Berry and R. M. Thompson—*Geological Soc. of Am.*, 281 p., 27 plates, \$8.25. Indexed X-ray powder diffraction data, including visual intensities, given for almost 300 minerals.

• Science News Letter, 81:188 March 24, 1962



SAFEGUARD YOUR EYES!

Don't use your binoculars in glaring sunlight without this **Filtrol**. Raw unfiltered, uncontrolled, bright sunshine on desert, mountain or sea will strain your eyes. This Variable Density Filtrol (Polaroid) varies the amount of light without glare you need for best viewing. You alone adjust exactly how much light reaches your eyes. U. S. Gov. surplus. Cost over nine times what we ask. Filtrol to fit over the eyepieces of any binocular: **Only \$1.00** postpaid, includes instructions.

HARRY ROSS

Scientific & Lab Apparatus
61-L Reade St., N. Y. 7, N. Y.



EVERY BOY'S JUDO

By A. P. Harrington

"Youngsters . . . will be fascinated by the information concerning proper footwork, various throws and counters, balance and position, and specific holds and locks. Comprehensive, detailed account written simply and vividly, ranging from simple to more complex techniques and further clarified by 87 illustrations. Glossary of Japanese terms." *Library Journal*.

87 line drawings

ORDER NOW!

\$2.95 Postfree

10-Day Money-Back Guarantee

EMERSON BOOKS, Inc., Dept. 434-M

251 W. 19th Street, New York 11