# Books of the Week

For the editorial information of our readers, books received for review since last week's issue 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. Request free publications direct from publisher, not from Science Service.

THE ANSWER BOOK—Mary Elting—Grosset, 157 p., illus. by Tran Mawicke and others, \$3.95. For children who wonder why, and like to find the answers for themselves. Non-technical and

THE ARITHMETIC OF FLYING: A Resource Unit in Air Age Concepts-Secondary Mathematics Curriculum Committee-Nat. Aviation Educ.

Council, 41 p., illus., paper, 50¢. For use in 7th and 8th grade.

Asa Gray, 1810-1888—A. Hunter Dupree-Belknap Press, 505 p., illus., \$7.50. Based on original sources, this is a scholarly interpretation of the work and influence of a leading American botanist of the 19th century.

CALCULUS WITH ANALYTIC GEOMETRY—Donald E. Richmond—Addison-Wesley, 458 p., \$8.75. Intended for a two or three-semester course in calculus.

CANALS-Fon W. Boardman, Jr.-Walck, H. Z., 139 p., illus. \$3.50. Richly illustrated history of the development of inland waterways, from ancient times to the canals of Europe, Africa, the United States and Canada.

THE CAVE HUNTERS—William E. Scheele—World Pub. Co., 63 p., illus. by author, \$2.50. Reconstructs the lives of Neanderthals and Cro-Magnons for grade school readers.

CLASSIC PAPERS IN GENETICS—James A. Peters, Ed.—Prentice-Hall, 282 p., illus., paper, \$3.95. Including Mendel's "Experiments in Plant Hybridization" and Seymour Benzer's "Fine Structure of a Genetic Region in Bacteriophage."

DICTIONARY OF SOCIAL SCIENCE-John T. Zadrozny, introd. by William F. Ogburn-Public Affairs Press, 367 p., \$6. Dictionary of specialized terms, enabling the lay reader to understand professional terminology.

Edison: A Biography—Matthew Josephson— McGraw, 511 p., illus, \$6.95. Chronicle of Edison's development, based on a wealth of original material, with 13 pages of references including the Edison archives at the Edison Library in West Orange, N.J.

Education in the Age of Science-Brand Blanshard, Ed.—Basic Bks., 302 p., \$4.50. An examination of American education by educators, including transcripts of round-table discussions in a seminar sponsored by the Tamiment Institute, Pa., in June, 1958.

EXPLORING EARTH AND SPACE-Margaret O. Hyde-Whittlesey House, rev. ed., 160 p., illus, by Clifford N. Geary, \$3. Updated to include research of space vehicles launched during the I.G.Y. and in early 1959.

GAS CHROMATOGRAPHY-A. I. M. Keulemans, C. G. Vervier, Ed., foreword by A. J. P. Martin
—Reinhold, 2nd ed., 234 p., illus., \$7.50. Gives chemists an up-to-date account of the practical and theoretical aspects of this rapidly developing analytical tool.

GENETICS LABORATORY GUIDE-David J. Merrell—Burgess, 32 p., paper, \$1.50. Contains experiments with drosophila and with corn.

GRASS PRODUCTIVITY—Andre Voisin, transl. from French by Catherine T. M. Herriot-Philosophical Lib., 353 p., illus., \$15. Information on the rational management of pasture lands, based on research findings in the U. S., Germany, France, New Zealand and Great Britain.

A Guide to the Identification of the GENERA OF BACTERIA with Methods and Digests of Generic Characteristics— V. B. D. Skerman— Williams & Wilkins, 217 p., illus., paper, \$5.50. Comprehensive key and digest of genera with guide to methods and study.

ISAAC NEWTON: Pioneer of Space Mathematics—Beulah Tannenbaum and Myra Stillman—Whittlesey House, 128 p., illus. by Gustav Schrotter, \$3. Biography for young persons.

LABORATORY EXPERIMENTS IN GENERAL PHYSICS —W. L. Erickson—Burgess, rev. ed., 174 p., illus., paper, \$4.25. Experiments ranging from physical measurements to making a continuous cloud chamber.

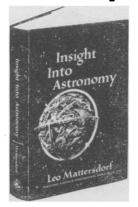
THE MAGNETODYNAMICS OF CONDUCTING FLUIDS—Daniel Bershader, Ed.—Stanford Univ. THE MAGNETODYNAMICS Press, 145 p., illus., \$4.50. Papers of a symposium, dealing with the flow of fluids such as

Mechanism and Structure in Organic Chemistry—Edwin S. Gould—Holt, 790 p., \$12.50. Textbook devoted to the consideration of the mechanisms of homogeneous organic reactions, with descriptive chapters dealing with the structures of atoms and organic molecules.

Modern High School Biology: A Recommended Course of Study-Dorothy F. Stone-Teachers College, 96 p., paper, \$1.50. Monograph designed as guide to teachers in modernizing course of biology study.

(Continued on page 278)

## Just off press—



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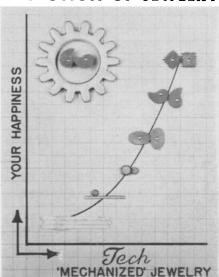
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#### **Books of the Week**

(Continued from page 276)

My First Picture Encyclopedia-transl. from French and adapted by Marie Ponsot-Grosset, 68 p., 275 illus. by P. Brasseur and others, \$2.95. Large format, colorful picture book showing the child the world it lives in.

ORGANIC CHEMISTRY, An Outline: Problems and Answers-Corwin Hansch and George Helmkamp—McGraw, 258 p., paper, \$2.95. Provides drill problems and answers for the beginning student.

THE PHENOMENON OF MAN—Pierre Teilhard de Chardin, transl. from French by Bernard Wall, introd. by Sir Julian Huxley-Harper, 318 p., \$5. French Jesuit biologist-paleontologist seeks to effect a three-fold synthesis: of the material and physical world with the world of mind and spirit, of the past with the future, and of variety with unity.

PLANT PATHOLOGY: Problems and Progress 1908-1958—C. S. Holton, Ed.—Univ. of Wis. Press, 588 p., illus., \$8.50. Reference work published for the Golden Jubilee of the American Phytopathological Society.

POINT FOUR ASSIGNMENT: Stories from the Records of Those Who Work in Foreign Fields for the Mutual Security of Free Nations-Russell Davis and Brent Ashabranner-Little, 246 p., illus. by Gil Miret, \$3.50. Stories of American technical assistance in far-away places.

A REVIEW OF THE SIRENIA AND DESMOSTYLIA -Roy H. Reinhart-Univ. of Calif. Press, 145 p., illus., paper, \$3. Describes recent fossil discoveries in Colombia, Puerto Rico, Mexico, California and Egypt, and reevaluates desmostylid fossils from the American Pacific Coast and Japan.

ROCKS ALL AROUND Us—Anne Terry White-Random House, 82 p., illus. by Evelyn Urbanowich, \$1.95. Easy-to-read introduction to geology for young boys and girls.

SIMPLE MACHINES AND How THEY WORK—Elizabeth N. Sharp—Random House, 83 p., illus. by Ida Scheib, \$1.95. Primary level reading about what the physicist calls simple machines, such as wheels and axles, wedges and screws, with simple experiments.

Science News Letter, October 24, 1959

ASTRONAUTICS-Which radio band is Ex-

plorer VII using? p. 268.

MEDICINE—Who are the recipients of the 1959 Nobel Prize in Medicine? p. 269.

PHYSICS—What is the fundamental basis for Einstein's general theory of relativity? p. 267. Photographs: Cover, Doak Aircraft Co., Inc.; p. 267, General Electric Company; p. 269, United Press-International News Photo; p. 271, International Cooperation Administration; p. 280, Vi-Jo Sales Co.

# Do You Know

The color of the hair depends on the degree of melanin pigment present; total absence of melanin results in white hair.

Each year more than one percent of all industrial workers in the U. S. (not including clerical workers) are afflicted with skin diseases resulting from exposure at work to irritating substances.