

•First Glances at New Books

CHEMISTRY—PHOTOGRAPHY

NATURAL COLOR PROCESSES (3d. ed.)—Carlton E. Dunn—*American Photographic Pub. Co.*, 232 p., \$2. With the rapidly increasing interest in color photography, many advanced amateurs will want more details concerning more special processes, particularly those for making color prints. In this, the third edition of his book, Mr. Dunn gives the practical information that such a photographer will need.

Science News Letter, June 22, 1940

CHEMISTRY

PHYSICAL CONSTANTS OF HYDROCARBONS, Vol. II, Cyclanes, Cycloenes, Cyclynes, and Other Alicyclic Hydrocarbons—Gustav Egloff—*Reinhold*, 605 p., \$12. Since one-fourth of the world's 1939 oil production of two billion barrels consisted of cyclane hydrocarbons, the importance of the data contained in this new volume in the American Chemical Society's Monograph Series can well be realized.

Science News Letter, June 22, 1940

TECHNOLOGY—CHEMISTRY

CONVERSION OF PETROLEUM, Production of Motor Fuels by Thermal and Catalytic Processes—A. N. Sachanen—*Reinhold*, 413 p., \$6. Though thermal cracking remains the most important means of converting petroleum products into gasoline and other fuels, newer catalytic methods are gradually assuming an important place. These are fully discussed in this new monograph.

Science News Letter, June 22, 1940

CHEMISTRY

THE KINETICS OF CHEMICAL CHANGE—C. N. Hinshelwood—*Oxford*, 274 p., \$4.50. This is the fourth edition of a book which first appeared in 1926, originally called "The Kinetics of Chemical Change in Gaseous Systems." The shorter title has been adopted, it is explained, because "the distinction between gas reactions and reactions in other states of matter has tended to become of less practical importance than it was."

Science News Letter, June 22, 1940

ORNITHOLOGY

WILD BIRD NEIGHBORS—Alvin M. Peterson—*Bruce (Milwaukee)*, 283 p., \$2. A great deal of information about the commoner species of birds (mostly songbirds) is packed into this book. The style is easy and informal, with nothing

of the didactic about it, which adds to readability and makes absorption easy.

Science News Letter, June 22, 1940

BOTANY

FLORIDA TREES—Ethel Snyder—*Geddes Printing House, Fort Myers, Fla.*, 150 p., \$1. A compact, low-priced book about the cultivated and native trees of Florida, styled to the needs of the average visitor or winter sojourner. Treatment is conveniently divided into four sections: Palms, Ornamental and Forest, Tropical and Sub-Tropical Fruits, and Miscellaneous.

Science News Letter, June 22, 1940

CHILD STUDY

JUVENILE DELINQUENTS GROWN UP—Sheldon and Eleanor Glueck—*Commonwealth Fund*, 330 p., \$2.50. See page 392.

Science News Letter, June 22, 1940

CHEMISTRY

SO THAT'S CHEMISTRY!—R. Ray Baker—*Reilly & Lee*, 128 p., \$1. A boys' book of chemistry presented in dialogue form in conversations between young Bobby and the Old Professor.

Science News Letter, June 22, 1940

ENGINEERING

PROCEDURE HANDBOOK OF ARC WELDING DESIGN AND PRACTICE (6th. ed.), *Lincoln Electric Co.*, 1117 p., \$1.50 in U.S.A., \$2 elsewhere. Practical arc welding for the technician.

Science News Letter, June 22, 1940

EDUCATION

THE AUDIO-VISUAL HANDBOOK—Ellsworth C. Dent—*Society for Visual Education*, 209 p., \$1.50. A wealth of information for school men and women about films, projectors, phonographs, maps and charts and other means for reaching the mind through eye and ear.

Science News Letter, June 22, 1940

MINERALOGY

MINERAL MAP OF EUROPE—*The Pure Oil Co.*—Map, Supplementary data, 61 p., \$3.50. In these days, when the tug of war is settling world power largely on the basis of available mineral resources of the nations, a work of this kind is both illuminating as information and useful as a mass of working facts. The large map shows graphically the distribution of metals, fuels, etc., while the pages of tables in the text sum up in compact, easily digested form the most important figures on production and reserves.

Science News Letter, June 22, 1940

TECHNOLOGY

IRON AND STEEL TO-DAY—John Dearden—*Oxford Univ. Press*, 190 p. illus., \$1.75. This is a popularly written and well illustrated account of the British iron and steel industry, upon which, in large part, now seems to depend the future of England.

Science News Letter, June 22, 1940

METEOROLOGY

THE METEOROLOGICAL GLOSSARY (3rd. ed.)—Great Britain, Air Ministry, Meteorological Office—*Chemical Pub. Co.*, 251 p., \$3. This book is more than a glossary; it is a compact one-volume encyclopedia, with clear definitions and brief discussions of all common (and many uncommon) meteorological words and concepts. With meteorology coming into its own as a university subject, it should find wide use.

Science News Letter, June 22, 1940

GENERAL SCIENCE

THE ADVANCEMENT OF SCIENCE, No. 3, April 1940—*British Assoc. for the Advancement of Science*, 124 p., 5 s. A continuation of reports of the 1939 meeting.

Science News Letter, June 22, 1940

TECHNOLOGY

INSTITUTE OF SCRAP IRON & STEEL YEARBOOK—*Institute of Scrap Iron & Steel*, 86 p., \$1. The first compilation of statistics on the iron and steel scrap industry. It is planned to make the volume an annual series. The importance of steel scrap in the present economy of a military world makes this book a valuable source reference on a vital factor in modern civilization.

Science News Letter, June 22, 1940

CHEMISTRY—BIBLIOGRAPHY

CHEMICAL PUBLICATIONS, Their Nature and Use (2d. ed.)—M. G. Mellon—*McGraw-Hill*, 284 p., \$2.75. "The material included constitutes the basis of an undergraduate course in chemical literature, the general aim of which is to present to the student some conception of the types of chemical information which are available, where they may be found, and how to locate them."

Science News Letter, June 22, 1940

BIBLIOGRAPHY—AGRICULTURE

LIBRARY CATALOGUE OF PRINTED BOOKS AND PAMPHLETS ON AGRICULTURE PUBLISHED BETWEEN 1471 AND 1840 (2d. ed.)—*Rothamsted Experimental Station, Harpenden, Herts, England*, 293 p., 12s.

Science News Letter, June 22, 1940