

• First Glances at New Books

Ethnography

TANGIER ISLAND, A Study of an Isolated Group—S. Warren Hall, III—*Univ. of Penn. Press*, 122 p., \$1.50. A study of sociological and ethnological features in one of the places in this country where a group worked out its own pattern of living uncomplicated—until recently—by outside influences. Tangier in the Chesapeake Bay now has its young liberals who introduced the freer “shore ways.”

Science News Letter, December 16, 1939

Chemistry

WORKBOOK OF DRUGS AND SOLUTIONS—Luella C. Smith—*Mosby*, 99 p., \$1. A text to fit looseleaf binders on drugs and solutions which may be used for nursing arts courses or in microbiology.

Science News Letter, December 16, 1939

Language

ELEMENTARY CRYPTANALYSIS, A Study of ciphers and their solution—Helen Fouché Gaines—*Amer. Photo. Pub. Co.*, 230 p., \$3.50. Progressive study of ciphers and their solution which starts with the easy ones and works up to the complex intricate forms which have been used for secret communication by the governments of the world. A good book for the beginning but serious student of the art of cryptanalysis.

Science News Letter, December 16, 1939

Mathematics

APPLIED MATHEMATICS—James F. Johnson—*Bruce (Milwaukee)*, 434 p., \$1.40. Practical mathematics for high schools, trade schools and apprenticeship courses.

Science News Letter, December 16, 1939

Chemistry

THE MERCK INDEX (5th. ed.)—*Merck & Co.*, 1060 p., \$3.00. A compact encyclopedia for use by the chemist, physician, pharmacist, dentist and veterinarian. Some 5,900 descriptions of individual substances are given along with 4,500 chemical reactions, tests and reagents, formulae for culture media and staining solutions. A most valuable book issued on a nonprofit basis.

Science News Letter, December 16, 1939

Biology

KOONWARRA, A Naturalist's Adventures in Australia—Charles Barrett—*Oxford Univ. Press*, 315 p., \$3. Black swans, cassowaries, giant sea turtles, koalas, spiny anteaters, termite “skyscrapers”, bottle trees, black folk—one comes out of the Antipodean bush with the feel-

ing that he has been on a journey to the Other Side of the Moon. The pictures compel credence, but still leave you feeling that “there ain't no sich place.”

Science News Letter, December 16, 1939

Botany

FLOWERING SHRUBS OF CALIFORNIA AND THEIR VALUE TO THE GARDENER—Lester Rowntree—*Stanford Univ. Press*, 317 p., \$3. Descriptions and pictures of flowering shrubs from a state that is justly proud of its flowers. This book will be of especial value to those interested in shrub gardens, for it contains many practical cultivation hints.

Science News Letter, December 16, 1939

Agriculture

THE CARE AND HANDLING OF MILK (Rev. and enl.)—Harold E. Ross—*Orange Judd*, 417 p., \$4. An invaluable text for those who are studying the dairy industry; equally valuable as a reference work for those who are practicing it.

Science News Letter, December 16, 1939

Engineering

SILTING OF RESERVOIRS—Henry M. Eakin; Carl B. Brown, rev.—*Govt. Print. Off.*, 168 p., \$1. (U. S. Dep't of Agric., Tech. Bull. No. 524) A bulletin for engineers and conservationists. With text and statistical tables and many folded maps, it unemotionally drives home the lesson of the foolishness of building dams and then filling them up with mud from eroded lands upstream.

Science News Letter, December 16, 1939

Mineralogy

PRECIOUS AND SEMI-PRECIOUS STONES (3rd. ed.)—Michael Weinstein—*Pitman*, 192 p., \$3. Contains much information on the mining and working of the stones as well as descriptions of the gems themselves.

Science News Letter, December 16, 1939

Chemistry—Engineering

A. S. T. M. STANDARDS ON PETROLEUM PRODUCTS AND LUBRICANTS—*American Society for Testing Materials*, 336 p., \$2. Methods of testing, specifications, definitions, charts and tables.

Science News Letter, December 16, 1939

Chemistry

INTRODUCTION TO PRACTICAL ORGANIC CHEMISTRY—Frederick George Mann and Bernard Charles Saunders—*Longmans, Green*, 191 p., \$1.50. A text from England which is a smaller and more

simple version of the authors' Practical Organic Chemistry, already well-known in its field. Manipulation and the more elementary preparations are described in considerable detail.

Science News Letter, December 16, 1939

Zoology—Photography

EYES IN THE NIGHT—Tappan Gregory—*Crowell*, 243 p., \$3.50. Tappan Gregory has been trapping night-faring animals with flashes of light for many years. Those who have welcomed the occasional picture and fragment of lore he has given us will accord a tenfold welcome to this book, wherein he “shows all, tells all.” For would-be emulators he generously provides detailed and specific information and instructions in the last two chapters.

Science News Letter, December 16, 1939

Engineering

ELECTRICAL TESTING FOR PRACTICAL ENGINEERS—G. W. Stubbings—*Chemical Pub. Co.*, 252 p., \$3.50. A comprehensive and yet simple manual dealing with the kind of testing required for the installation and maintenance of electrical plants and machinery.

Science News Letter, December 16, 1939

Mathematics

TUMMINELLO THEORY OF NUMERICAL ROOTS—Charles E. Tumminello—*Christopher Pub. House*, 178 p., \$2.35. How to extract roots of numbers (say the tenth root) with the aid of nothing more than a knowledge of algebra.

Science News Letter, December 16, 1939

Radio

TELEVISION AND SHORT-WAVE HANDBOOK—F. J. Camm—*Fortuny's*, 271 p., \$2.50. A text from Britain describing the construction and operation of television and shortwave radio sets.

Science News Letter, December 16, 1939

Bacteriology

MATHEMATICS IN BACTERIOLOGY—Otto Rahn—*Burgess*, 63 p., \$1.75.

Science News Letter, December 16, 1939

Archaeology

PREHISTORIC CULTURE UNITS AND THEIR RELATIONSHIPS IN NORTHERN ARIZONA—Harold Sellers Colton—*Northern Arizona Society of Science and Art*, 76 p., \$1.75. An analysis of Indian groups and their time sequence in northern Arizona, in the form of tables and factual summaries.

Science News Letter, December 16, 1939