

•First Glances at New Books

ZOOLOGY

CATS AND ALL ABOUT THEM—L. H. Fairchild and Helen G. Fairchild—*Orange Judd*, 231 p., illus., \$2. Intended for cat owners who prefer their animals to be a cut or two above "just cat." Show points of the various breeds are concisely but adequately discussed; breeding, care of kittens, what to do about diseases, all come in for proper attention. It is a pity that the quality of the halftone illustrations does not measure up to the quality of the text.

Science News Letter, April 25, 1942

CHEMISTRY

CHROMATOGRAPHIC ADSORPTION ANALYSIS—Harold H. Strain—*Interscience Publishers*, 222 p., colored frontispiece, \$3.75. A summary of present knowledge concerning this comparatively new technique for the separation and purification of substances chemically so similar that they cannot be separated by any other means. Although first applied to the isolation of plant pigments, the method is valuable in the separation of isotopes, vitamins, hormones, enzymes, proteins and many other substances.

Science News Letter, April 25, 1942

CHEMISTRY

EQUILIBRIUM AND KINETICS OF GAS REACTIONS, An Introduction to the Quantum-Statistical Treatment of Chemical Processes—Robert N. Pease—*Princeton Univ. Press*, 236 p., \$3.75. A text for seniors and graduate students. Only the newly developed science of quantum statistics, the author believes, can give a unified account of both equilibrium and reaction rate.

Science News Letter, April 25, 1942

GENERAL SCIENCE

SCIENCE YEAR BOOK OF 1942—John D. Ratcliff, ed.—*Doubleday, Doran*, 279 p., \$2.50. Thirty articles on science that have appeared in American magazines during the past year are reprinted. Although not a yearbook in the usual sense of the word, it is useful to have such articles within the covers of a book. Unfortunately, no index.

Science News Letter, April 25, 1942

CHEMISTRY

PHYSICAL CHEMISTRY—Frank Thomson Gucker, Jr. and William Buell Mel drum—*American Book Co.*, 683 p., illus., \$4. This is a very complete first course in physical chemistry, designed both for

future chemists and for those who will pursue some related science, and both for those who have and for those who have not a knowledge of the calculus. The experimental facts and the laboratory procedures by which they are obtained, are emphasized. Theoretical explanations and applications are given to enable the student to handle problems that may arise in his work.

Science News Letter, April 25, 1942

CHEMISTRY

MANUFACTURE OF SODA, With Special Reference to the Ammonia Process (2d ed.)—Te-Pang Hou—*Reinhold*, 590 p., illus., \$9.50. Second Edition, thoroughly revised and enlarged.

Science News Letter, April 25, 1942

ZOOLOGY

PAPERS ON MAMMALOLOGY, Published in honor of Wilfred Hudson Osgood—*Field Museum of Natural History*, 395 p., illus., \$3. The colleagues of one of America's leading mammalogists present the results of several recent notable studies in a special volume commemorating his long service as curator of mammals at the Field Museum of Natural History. See also page 267.

Science News Letter, April 25, 1942

CHEMISTRY

A COURSE OF INSTRUCTION IN THE QUALITATIVE CHEMICAL ANALYSIS OF INORGANIC SUBSTANCES (10th ed.)—Arthur A. Noyes; revised and rewritten by Ernest H. Swift—*Macmillan*, 418 p., \$2.75. The object of this revision is to carry out more completely the aims of Professor Noyes in the several preceding editions, namely, to develop the simplest possible methods and to make clear to the student the reason for each operation and result.

Science News Letter, April 25, 1942

BIOLOGY

THE TEACHING OF BIOLOGY IN SECONDARY SCHOOLS OF THE UNITED STATES—Oscar Riddle, ed.—*Comm. on the Teaching of Biology, Union of Amer. Biol. Societies*, 76 p. Obtainable gratis direct from Dr. D. F. Miller, Ohio State Univ., Columbus, Ohio. See page 264.

Science News Letter, April 25, 1942

POLITICAL SCIENCE

THE PANAMA CANAL IN PEACE AND WAR—Norman J. Padelford—*Macmillan*, 327 p., \$3.

Science News Letter, April 25, 1942

MILITARY SCIENCE

MILITARY SCIENCE AND TACTICS; Infantry Basic Course—P. S. Bond, ed.—*Bond Pub. Co.*, 473 p., illus., \$2.50. All the thousand things that the Ground Force soldier needs to know to be competent in his job: not merely the care and use of his now numerous weapons—all the way from rifle and bayonet to machine gun and mortar, but how to make and maintain camp, how to conduct a safe march or patrol in the presence of the enemy, how to execute a lone scouting mission, etc. Searching questions at the end of each section test the student's mastery of the subject up to that point.

Science News Letter, April 25, 1942

MILITARY SCIENCE

RIFLE COMPANY WEAPONS, U. S. Army; The Light Machine Gun, the 60 MM Mortar—P. S. Bond—*Bond Pub. Co.*, 70 p., illus., 30c. Compact but complete description and directions for use, of two of the most important light weapons that go up in the assault, right along with rifle, bayonet and grenade.

Science News Letter, April 25, 1942

MILITARY SCIENCE

BASIC INFANTRY TRAINING, 317 p., illus., paper \$1.25, fabrikoid \$1.50; INFANTRY DRILL AND ELEMENTARY TRAINING, 158 p., illus., 50c.; INFANTRY DRILL REGULATIONS AND RIFLE TRAINING, 129 p., illus., 40c.—P. S. Bond—*Bond Pub. Co.* The essentials of basic training for the foot soldier. It is safe to say that these will be among the most-studied of textbooks in the hands of hundreds of thousands of young men, for some time to come.

Science News Letter, April 25, 1942

CHEMISTRY

ADVANCES IN COLLOID SCIENCE, Volume 1—Elmer O. Kraemer, ed. in collaboration with Floyd E. Bartell and S. S. Kistler—*Interscience Pub.*, 434 p., illus., \$5.50. First of a series for the purpose of presenting recent discoveries or advances in colloid science in a more comprehensive and unified fashion than is possible in the regular technical journals; written by sixteen contributors.

Science News Letter, April 25, 1942

MATHEMATICS

MATHEMATICAL TABLES (7th ed.)—Charles D. Hodgman, comp.—*Chemical Rubber Pub. Co.*, 360 p., \$1.25.

Science News Letter, April 25, 1942