

NEW BOOKS.

Organic Chemistry for Advanced Students. 2nd edition. By JULIUS B. COHEN, Ph.D., B.Sc., F.R.S., Prof. of Organic Chemistry in the University of Leeds. Edward Arnold, London, 1918. In 3 volumes. Part I. Reactions. viii + 366 pp. Part II. Structure. vii + 435 pp. Part III. Synthesis. vii + 378 pp. 14.5 × 22.5 cm. \$5.50 net for each of the volumes.

Prof. Cohen has recast his well-known "Organic Chemistry for Advanced Students" in three volumes in order "to group together allied subjects and to link them as far as possible in a consecutive form." He has also enlarged it by some 160 pages but without changing the character of the book—the additions being fairly uniformly distributed over the various chapters for the purpose of bringing the subject matter up to date.

By the new arrangement Volume I contains the chapters: "Historical Introduction," "Valency of Carbon," "Nature of Organic Reactions," "Dynamics of Organic Reactions" and "Abnormal Reactions;" Volume II, the chapters "Physical Properties and Structure," "Color and Structure," "Isomerism and Stereoisomerism," "Stereochemistry of Unsaturated and Cyclic Compounds," "Stereochemistry of Nitrogen," "Isomeric Change," "The Benzene Theory;" Volume III, the chapters on "The Carbohydrates," "Fermentation and Enzyme Action," "The Purine Group," "The Proteins," "The Terpenes and Camphor," "The Alkaloids."

Each volume is complete with indexes of subjects and authors.

E. P. KOHLER.

Organic Chemistry, or Chemistry of the Carbon Compounds. By VICTOR VON RICHTER (edited by Prof. R. Anschütz and Prof. G. Schroeter). Vol. I, Chemistry of the Aliphatic Series. Newly translated and revised from the German edition (after Prof. Edgar F. Smith's third American edition) by Percy E. Spielmann, Ph.D., B.Sc., F.I.C., A. R. C. Sc. 2nd (revised) edition. P. Blakiston's Son & Co., Philadelphia, 1919. xvi + 719 pp., 11 figs. 15.5 × 23 cm. Price, \$5.00 net.

This book which represents the second edition of the English translation of the latest German original differs from the first edition in that the misprints which inevitably creep into a volume containing such a large number of formulas and figures have been corrected. It is hardly necessary to mention the great value of this book so well known to every student of organic chemistry who has passed the elementary stage. For those not acquainted with it, however, it may be described briefly as an advanced and extensive treatise on the aliphatic series. The various classes of compounds in this field are discussed in a general way and the important members of each class are taken up in more detail. The theoretical, as well as practical side of the subject, is considered and original references are given. It is a volume that may be highly recommended to any one who has a real interest in organic chemistry, to be used either as an advanced text-book or more usually as a general reference book.

ROGER ADAMS.