

only in the original writings of the original author. Aside from this inescapable limitation, the text does give great assistance to those who approach these difficult methods for the first time. In many instances, it would have been of greater assistance to the new-comer to have had the methods described as a single complete exposition, relegating alternative procedures and variants of technique to discursive sections at the end of the method. Of the three major techniques discussed, the section on paper chromatography appears to be the most authoritative, that on ion-exchange chromatography the least, but all three sections encompass much useful detail in well condensed form.

3. The second objective appears to be very ably accomplished in 97 pages of tabulated material provided with table of contents and concluded with 12 summary tables. Comparison of the figures in these tables with those published originally in the "Amino Acid Composition of Protein and Foods" by Block and Bolling (Thomas, Springfield, Ill., 1951, 2nd ed.) shows that the tables in the publication under review have been revised and greatly expanded. All data have been calculated as grams of amino acid per 16 grams of nitrogen, a feature which is helpful for comparative purposes, but which has not been accepted as standard practice. This section should prove useful for quick reference and comparative purposes.

In summary, this text is to be recommended, and with the minor limitations noted above, should fulfill the general aims and objectives of the authors.

ALFRED I. DU PONT INSTITUTE
OF THE NEMOURS FOUNDATION
WILMINGTON 99, DELAWARE

PAUL B. HAMILTON

Synthetic Methods of Organic Chemistry. Vol. 11. By W. THEILHEIMER. Interscience Publishers, Inc., 250 Fifth Avenue, New York 1, N. Y. 1957. xvi + 494 pp. 16 × 23.5 cm. Price, \$20.00.

The purpose of the series is to make available to the chemist brief abstracts of new synthetic methods, or application of older procedures to new problems. Yields and brief experimental details are given with the references, enabling the reader to evaluate a contemplated procedure before consulting original literature.

As in preceding volumes, a section "Trends in Synthetic Organic Chemistry" precedes the body of the book, and is intended to summarize such important synthetic advances as were published between the literature closing date and delivery of the manuscript to the printer.

The organization of the series and other aspects have been extensively discussed by various reviewers including the present writer (THIS JOURNAL (1946) and following years). In addition to a unique system of classification, readers will find an excellent subject index along conventional lines.

The series has become a well-established and much appreciated library tool, and the new volume will be welcomed by all who have benefited from the use of the work.

CIBA PHARMACEUTICAL PRODUCTS, INC.
SUMMIT, NEW JERSEY

HANS HEYMANN

BOOKS RECEIVED

October 10, 1957—November 10, 1957

G. ASCOLI, G. FELDMAN, L. J. KOESTER, JR., R. NEWTON, W. RIESENFELD, M. ROSS, AND R. G. SACHS, Compiled and Edited by. "High Energy Nuclear Physics." Proceedings of the Seventh Annual Rochester Conference, April 15-19, 1957. Interscience Publishers, Inc., 250 Fifth Avenue, New York 1, N. Y. 1957. 486 pp. \$4.50.

K. W. BENTLEY. "The Chemistry of Natural Products." Volume I. "The Alkaloids." Interscience Publishers, Inc., 250 Fifth Avenue, New York 1, N. Y. 1957. 237 pp. \$4.00.

JAMES CASON, Editor-in-Chief. "Organic Syntheses." Volume 37. John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, N. Y. 1957. 109 pp. \$4.00.

SIDNEY P. COLOWICK AND NATHAN O. KAPLAN, Edited by. "Methods in Enzymology." Volume IV. "Special Techniques for the Enzymologist." Academic Press, Inc., 111 Fifth Avenue, New York 3, N. Y. 1957. 979 pp. \$24.00.

A. J. DE VRIES. "Foam Stability. A fundamental investigation of the factors controlling the stability of foams." Rubber-Stichting, Oostsingel 178, Delft, The Netherlands. 1957. 88 pp. hfl. 6.

G. J. DIENES AND G. H. VINEYARD. "Interscience Monographs in Physics and Astronomy." Volume II. "Radiation Effects in Solids." Edited by R. E. Marshak. Interscience Publishers, Inc., 250 Fifth Avenue, New York 1, N. Y. 1957. 226 pp. \$6.50.

PAUL H. EMMETT, Edited by. "Catalysis." Volume V. "Hydrogenation, Oxo-Synthesis, Hydrocracking, Hydrodesulfurization, Hydrogen Isotope Exchange and Related Catalytic Reactions." Reinhold Publishing Corporation, 430 Park Avenue, New York 22, N. Y. 1957. 542 pp. \$15.00.

F. H. FIELD AND J. L. FRANKLIN. "Pure and Applied Physics." Volume 1. "Electron Impact Phenomena and the Properties of Gaseous Ions." H. S. W. Massey, Consulting Editor. Academic Press, Inc., 111 Fifth Avenue, New York 3, N. Y. 1957. 349 pp. \$8.50.

SIDNEY W. FOX AND JOSEPH F. FOSTER. "Introduction to Protein Chemistry." John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, N. Y. 1957. 459 pp. \$9.50.

A. G. GAYDON. "The Spectroscopy of Flames." John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, N. Y. 1957. 279 pp. \$9.00.

LEWIS F. HATCH. "Higher Oxo Alcohols." John Wiley and Sons, Inc., 440 Fourth Avenue, New York 16, N. Y. 1957. 120 pp. \$4.50.

GUSTAV KORTUM. "Lehrbuch der Elektrochemie." Verlag Chemie, G.m.b.H., 17 a Weinheim/Bergstr., Pappelallee 3, Germany. 1957. 564 pp. DM 35.80.

A. L. MNDJOLIAN, Editor. "Synthesis of Heterocyclic Compounds." Issue I. Publishing House of the Academy of Sciences of the Armenian SSR, Ulitsa Abovyan, No. 124, Erevan, Armenian SSR, USSR. 1956. 84 pp. 5 rubles (with binding).

KURT SCHMEISER. "Radioaktive Isotope ihre Herstellung und Anwendung." Springer-Verlag, Berlin W 35, Reichpietschufer 20, Germany. 1957. 246 pp. DM 48.60.

GEROLD SCHWARZENBACH. "Complexometric Titrations." Translated and revised in collaboration with the author by HARRY IRVING. Interscience Publishers, Inc., 250 Fifth Avenue, New York 1, N. Y. 1957. 132 pp. \$3.75.

G. A. SWAN AND D. G. I. FELTON. "Phenazines." The Chemistry of Heterocyclic Compounds. A Series of Monographs. Arnold Weissberger, Consulting Editor. Interscience Publishers, Inc., 250 Fifth Avenue, New York 1, N. Y. 1957. 693 pp. \$21.00 (Subscription price); \$22.50 (Single copy price).

UNITED STATES ATOMIC ENERGY COMMISSION. "Atomic Energy Facts. A Summary of Atomic Activities of Interest to Industry." Nuclear Technology Series. Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. 1957. 216 pp. \$2.00.

LÉON VELLUZ, Editor. "Cahiers de Synthèse Organique. Méthodes et Tableaux D'Application." Volume II. "Elaboration des structures. 3. Alcoylation en série aliphatique. 4. Alcoylation en série aromatique. 5. Arylation en série aromatique." By JEAN MATHIEU ET ANDRÉ ALLAIS. Masson et Cie., 120 Boulevard Saint-Germain, Paris VI^e, France. 1957. 322 pp. Broché: 4.000 frs.; Cartonné toile: 4.400 frs.

K. L. WOLF. "Physik und Chemie der Grenzflächen." Erster Band. "Die Phänomene im Allgemeinen." Springer-Verlag, Reichpietschufer 20, Berlin W 35, Germany. 1957. 262 pp. DM 36.00.