

Book Notices

Virus Meningo-Encephalitis. Edited by G. E. W. WOLSTENHOLME and MARGARET P. CAMERON. Little, Brown and Co., 34 Beacon St., Boston 6, Mass., 1961. viii + 120 pp. 12.5 × 18.5 cm.

A compilation of 13 papers and discussions on subjects related to meningo-encephalitis which were presented at a study group in September 1960. References and a subject index are appended.

Quinones in Electron Transport. Edited by G. E. W. WOLSTENHOLME and CECILIA M. O'CONNOR. Little, Brown and Co., 34 Beacon Street, Boston 6, Mass., 1961. xii + 453 pp. 13.5 × 20.5 cm. Price \$11.

Reports on biochemical studies related to the quinones, particularly ubiquinone (coenzyme Q), and their part in electron transport are compiled in this book. Nineteen papers were contributed and discussed at the May 1960 Ciba Foundation Symposium.

Pharmacology and Oral Therapeutics. 12th ed. By EDWARD C. DOBBS. The C. V. Mosby Co., 3207 Washington Blvd., St. Louis 3, Mo., 1961. 578 pp. 16 × 24 cm. Price \$10.

Revision of this authoritative textbook assures consideration of those drugs official in U.S.P. XVI and N.F. XI, as well as the drugs evaluated in the latest editions of "New and Nonofficial Drugs" and "Accepted Dental Remedies." The book is excellent for dental students and practitioners, and includes useful information for pharmacists.

Comparative Animal Physiology. 2nd ed. By C. LADD PROSSER and FRANK A. BROWN, JR. W. B. Saunders Co., West Washington Square, Philadelphia 5, Pa., 1961. ix + 688 pp. 16.5 × 25.5 cm. Price \$15.50.

Intended as a text for upper-class undergraduates and first-year graduate students and as a reference volume, this edition reflects the additional knowledge and current views developed since the 1950 edition. The authors consider the reactions of animals to specific variations in a series of environmental factors and then consider effector and coordinating mechanisms in general.

Biochemists' Handbook. Edited by CYRIL LONG. D. Van Nostrand Co., Inc., 120 Alexander St., Princeton, N. J., 1961. xxii + 1192 pp. 15.5 × 25 cm. Price \$25.

Compiled chiefly for biochemists and others in related sciences, this encyclopedia-type handbook is divided into six sections. Section 1 includes selected topics in physical and organic chemistry, with tabulated data. Section 2 discusses enzyme kinetics and describes about 300 enzymes. Metabolic pathways are treated in Section 3. Data on the chemical composition of animal tissues and plants are given in Sections 4 and 5, respectively. Section 6 gives information on some physiological and nutritional topics. The general index requires 64 pages.

Physical Chemistry of Macromolecules. By CHARLES TANFORD. John Wiley & Sons, Inc., 440 Park Ave. South, New York 16, N. Y., 1961. xiv + 710 pp. 15 × 23 cm. Price \$18.

Areas of physical chemistry in this book are taken up in the order: Molecular structure, with emphasis on X-ray diffraction; Statistics of linear polymers; Thermodynamics; Light scattering; Transport processes and viscosity; Electrostatic free energy and polyelectrolytes; Multiple equilibria; and Kinetics of macromolecular reactions. Fundamental theories are given and then modified or extended to apply to molecules of high molecular weight. Author and subject indexes are appended.

Pharmacy Examination Review Book. Vol. 1. Medical Examination Publishing Co. Inc., P. O. Box 36, Fresh Meadows, Flushing 65, N. Y., 1960. 179 pp. 13.5 × 21.5 cm. Paperbound.

The purpose of this book is to reveal those areas of pharmaceutical knowledge that require further study by the individual preparing for examinations. It includes about 1,000 multiple choice questions (and answers) in sections on pharmacy, pharmacology, microbiology and public health, chemistry, biochemistry, and physiology.

Progress in Drug Research. Vol. 2. Edited by ERNST JUCKER. Interscience Publishers, Inc., 250 Fifth Ave., New York 1, N. Y., 1960, 636 pp. 16.5 × 24 cm. Price \$22.50

The development of a reference work in the field of drug research is continued with the issuance of volume 2 in this series. The publication of volume 1 was noted in THIS JOURNAL, 49, 62(1960). Other volumes will appear annually. Extensive review articles cover nine subjects in volume 2. The articles are printed in the languages of the contributors. In this volume five articles are in English and four are in German. Indexes are not appended, but each article has a detailed table of contents.

Investigation of Rates and Mechanisms of Reactions. Part 1. 2nd ed. Edited by ARNOLD WEISSBERGER. Interscience Publishers, Inc., 250 Fifth Ave., New York 1, N. Y., 1961. xii + 713 pp. 15.5 × 22.5 cm. Price \$23.50.

A revised and augmented edition of volume 8, part 1, in the series "Technique of Organic Chemistry." The first edition was reviewed in THIS JOURNAL, 42, 507(1953). The text should be extremely useful in the field of physical pharmacy. An index is appended.

Metabolic Pathways in Microorganisms. By VERNON H. CHLDELIN. John Wiley & Sons, Inc., 440 Park Ave. South, New York 16, N. Y., 1961. ix + 91 pp. 12.5 × 18.5 cm.

A compilation of lectures on carbohydrate metabolism in microbial systems, emphasizing metabolic peculiarities of acetic acid bacteria.