

## Book Notices

### *Tropical Therapeutics: Its Pharmacologic Aspects.*

By ROGER A. LEWIS. Charles C Thomas, Publisher, 301-327 East Lawrence Ave., Springfield, Ill., 1963. x + 276. 14½ × 22½ cm. Price \$11.50.

A general pharmacology text is presented which emphasizes drugs likely to be employed in treating diseases in the moist tropics and hot arid zones. Dr. Lewis has had considerable experience in Ghana and India and while he does include general chapters on pharmacology and its relationship and application to drug therapy, the most valuable contribution will be concerning tropical therapy. It seems to be more suitable as a medical student's guide in clinical practice in a tropical area.

### *Investigation of Rates and Mechanisms of Reactions.*

Edited by S. L. FRIESS, E. S. LEWIS, and A. WEISSBERGER. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. xii + 879 pp. 14½ × 22½ cm. Price \$30.00.

Rates and mechanisms of reaction in organic chemistry with the relevant theories which have been presented receive thorough discussion and analysis in this volume in two parts. The work is concerned with the theoretical and experimental tools used to establish the operative mechanisms of reactions. Examples of investigations are given as models for related reactions and where appropriate, comment on possible variations, adaptations, and refinements are included. Part I deals with the kinetic methods and Part II with the nonkinetic methods.

*Spices.* By JOHN W. PARRY. Chemical Publishing Co., Inc., 212 Fifth Ave., New York, N. Y., 1962. 226 pp. 15.5 × 23.5 cm. Price \$8.75.

Clear and simple anatomical descriptions of the external features and internal structures of the various spices are presented in the first part of this work and the chemical composition of spices is presented in the second part. Where pertinent, histological drawings are presented to assist in microscopic examination. For the most part, the material is presented in monograph style.

*Paramedical Microbiology.* By STANLEY E. WEDBERG. Reinhold Publishing Corp., 430 Park Ave., New York 22, N. Y., 1963. 14½ × 22½ cm. xv + 462 pp. Price \$6.75.

A textbook on microbiology of particular value to pharmaceutical educators and pharmacy students is presented. From experiences at the University of Connecticut, Dr. Wedberg has organized the materials for students who have a considerable interest in the application of microbiological principles within their chosen field but less interest in becoming professional microbiologists. Historical background material has been minimized and coverage of non-medical phases of microbiology is limited to allow greater emphasis on the practical aspects of microbiology in the medically oriented sciences.

*Bilharziasis.* Edited by G. E. W. WOLSTENHOLME and MAEVE O'CONNOR. Little, Brown & Co., 34

Beacon Street, Boston, Mass., 1963. xiii + 433 pp. 12½ × 20 cm. Price \$11.50.

Twenty-six world authorities present a thorough discussion of modern aspects of research on bilharziasis and its control in this Ciba Foundation Symposium volume. The progress to date is summarized and hopeful lines for future work are delineated.

*Practical & Industrial Formulary.* By MITCHELL FREEMAN. Chemical Publishing Co., Inc., 212 Fifth Ave., New York, N. Y., 1962. v + 297 pp. 14.5 × 22 cm. Price \$7.95.

Hundreds of formulas from cosmetics and perfumes to veterinary preparations are presented in this small cyclopedia intended to provide authentic, concise, and practical information for technical and nontechnical people alike. The great bulk of the book is in recipe form and contains appendices listing suppliers, conversion tables, composition of foods, and other general information helpful to those who utilize the volume.

*Intestinal Biopsy.* Edited by G. E. W. WOLSTENHOLME and MARGARET P. CAMERON. Little, Brown & Co., 34 Beacon St., Boston, Mass., 1963. 11½ × 18 cm. Price \$2.95.

Another Ciba Foundation study group series, this volume presents materials on intestinal biopsy. Topics covered include dissecting microscope appearance of intestinal mucosa, electron microscope study of fat absorption in normal subjects and in patients with idiopathic steatorrhea, effects of a gluten-free diet on intestinal histology in coeliac disease, significance of mucosal damage, biopsy studies on the pathogenesis of coeliac sprue, and intestinal biopsy in tropical sprue.

*Pentose Metabolism in Bacteria.* By B. L. HORECKER. John Wiley & Sons, 605 Third Ave., New York 16, N. Y., 1963. 11½ × 18 cm. Price \$4.00.

A general discussion of the function of the oxidative pathway and the role of pyridine nucleotide coenzymes in the overall energy economy of the cell, and mechanisms for the interconversion of hexoses and pentoses as well as new reductive pathways recently discovered in the filamentous fungi are presented. Additional consideration is given to a comparative study of pentose fermentation mechanisms and their biochemical basis and enzyme mechanisms in aldol and ketol condensations.

*Biochemistry.* By P. H. GELLINCK. Holt, Rinehart, and Winston, Inc., 383 Madison Ave., New York 17, N. Y., 1963. viii + 308 pp. 14½ × 22½ cm. Price \$6.00.

An introductory text book for students with limited backgrounds in organic chemistry and biology is presented. Emphasis has been placed upon the simplicity of the presentation though the more complex formulas and structures are included where necessary. The book appears to be too brief and superficial for most needs of pharmacy students.