

media, diagnostic materials and methods, and special fungi stains. A brief glossary is also included.

Physical and Technical Pharmacy. Edited by H. M. BURLAGE, C. O. LEE, and L. W. RISING. The Blakiston Div., McGraw-Hill Book Co., Inc., 330 West 42nd St., New York 36, N. Y., 1963. ix + 740 pp. 15 × 23 cm. Price \$16.

Organized to meet the need for a student text to correlate principles of mathematics, physics, and chemistry with pharmaceutical procedures, methods, and technology, this volume presents materials on mathematics, and pharmaceutical calculations, the physicochemical sciences as they apply to pharmaceutical technology, stability of drugs and pharmaceutical systems with particular reference to storage conditions, and adjuncts of importance in the formulation of satisfactory products. Ten pharmaceutical scientist contributors to the volume have assisted the editors in presenting a volume which will be a significant contribution to pharmaceutical education.

Hallucinogenic Drugs and Their Psychotherapeutic Use. Edited by R. CROCKET, R. A. SANDISON and A. WALK. Charles C Thomas, Springfield, Ill., 1963. xiii + 191 pp. 15.5 × 25 cm. Price \$7.50.

The proceedings of the quarterly meeting of the Royal Medico-Psychological Association held in February 1961 are presented. The papers are grouped under six topics: the historical and psychopharmacological background, hallucinogenic agents and their general application, techniques and methodology, the use of hallucinogens in specific conditions, clinical observations and phenomenological interpretation, and the moral, religious, and social significance of experience under hallucinogenic drugs. The purpose of the conference was to bring investigators from fields other than the clinical and psychotherapeutic areas to discuss the psychic changes accompanying the administration of the hallucinogens; the editors have created a stimulating and valuable volume.

An Introduction to Clay Colloid Chemistry. By H. VAN OLPHEM. Interscience Publishers, Div. of John Wiley & Sons, 605 Third Ave., New York 16, N. Y., 1963. xvi + 301 pp. 15.5 × 23 cm. Price \$10.

Modern concepts in colloid and surface chemistry are discussed as they apply to clay systems. The book stresses the effect of changes in fluid composition on the forces acting between suspended clay particles, and the consequences of such changes on the bulk physical and mechanical properties of the suspensions which are important in clay technology. The treatment in the text is elementary which will limit its usefulness to workers active in clay technology but will provide a workable background knowledge for persons less knowledgeable in the field.

Man and His Future. Edited by G. WOLSTENHOLME. Little, Brown and Co., Boston, Mass., 1963. vi + 410 pp. 13 × 20.5 cm. Price \$6.

The biological, environmental, and social aspects of man and his future were treated in a symposium

which included outstanding scientists such as Sir Julian Huxley, J. B. S. Haldane, and Carleton Coon. The controversial, provocative, and uninhibited deliberations reported present a review of current thinking among research workers.

The Pathogenesis of Leprosy. Edited by G. E. W. WOLSTENHOLME and M. O'CONNOR. Little, Brown and Co., Boston, Mass., 1963. ix + 101 pp. 12 × 18.5 cm. Price \$2.95.

Another booklet in the Ciba Foundation Study Group series, this volume serves to focus attention on the progress and problems of research on leprosy. Papers presented were devoted to experimental observations related to the histopathology of leprosy, cytopathology of the Virchow cell of human leprosy, applicability of experimental murine leprosy to the study of human leprosy, experimental studies on human leprosy, and leprosy bacilli in mouse foot-pads.

Chemistry: A Survey of Principles. By G. W. EWING and E. G. MEYER. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. ix + 239 pp. 15 × 23 cm. Price \$4.95.

A student textbook for a one-semester course in chemistry for non-chemistry major students is presented which balances basic theory with descriptive materials on such topics as biochemistry, organic reaction mechanisms, thermodynamics, chemical equilibrium and reaction rates, and metal-organic and metal-inorganic complexes. Laboratory experiments are integrated and require the student to work with modern laboratory instruments such as the pH meter, photoelectric colorimeter, and nuclear counting equipment. Many of the experiments are quantitative in nature and develop some concepts not covered in the text.

Medicinal Chemistry. Vol. VI. Edited by E. E. CAMPAIGNE and W. H. HARTUNG. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. x + 356 pp. 15 × 23 cm. Price \$10.

Volume six of this monograph series covers non-barbiturate hypnotics, spinal cord depressant drugs derived from polyhydroxy alcohols, and X-ray contrast media. Much of the data is presented in tabular form as was in the case in prior volumes. The style and format of the earlier volumes as well as the objective to include references to all the compounds which have been tested for a particular type of pharmacological activity in a given chapter have been retained. Numerous references are included for each chapter and a general index is provided.

Advances in Organic Chemistry: Methods and Results. Vol. 4. Edited by R. A. RAPHAEL, E. C. TAYLOR, and H. WYNBERG. Interscience Publishers, 605 Third Ave., New York 16, N. Y., 1963. vii + 361 pp. 15 × 23 cm. Price \$14.50.

This fourth volume in a series created to meet the need for critical appraisal and evaluation of useful new methods and ideas generated in the rapid evolution of organic chemistry treats enamines, synthetic methods in the carotenoid and vitamin A fields, and the coupling of acetylenic compounds. Author and subject indexes are included as well as a cumulative index for volumes 1-4 in the series.