

problems are included to give the reader an intuitive understanding of the subject. The book is well written, and the topics discussed are illustrated with clearly presented examples. Problems with answers are included. The first chapter on the logical basis of statistical inference is excellent in its discussion of the design of experiments and the statistical philosophy concerned in this design.

The second, third, and fourth chapters deal with, respectively, quantitative data, enumeration data, and correlation. That the book contains only four chapters should not mislead one into believing that it is incomplete, since this is certainly not the case.

Three nonparametric tests are described and their use illustrated. These are the two-sample rank test, sign test, and the signed-rank test. The author feels that these tests should be more widely used than at present because of their simplicity of application.

This book would be most satisfactory as a textbook in a course on the subject for pharmacy students or as a supplementary text in a course in biopharmaceutics. The book is enthusiastically recommended.

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Laboratory Guide in Pharmacology. 2nd Ed. By T. S. MIYA, H. G. O. HOLCK, G. K. W. YIM, and T. MYERS. Burgess Publishing Co., 426 South Sixth St., Minneapolis 15, Minn., 1964. 162 pp. 21.5 × 27 cm. Paperbound. Price \$3.50.

This laboratory guide, written especially for the pharmacy student, is designed to serve as a companion to lecture and textbook material for a beginning student. The experiments are organized so that the student begins with basic pharmacological principles, including routes of drug administration, factors affecting dosage, and absorption and excretion of drugs by man. Following these are experiments pertaining to the pharmacology of the various bodily systems, toxicology, and gross pharmacological effects of drugs.

Each experiment provides an organized method of recording observations and includes questions to stimulate thinking about the significance of these observations. The clearly presented experiments are intended for student participation and generally do not require complicated or costly equipment.

Absorption and Distribution of Drugs. Based on a symposium held by the Association of Medical Advisers in the Pharmaceutical Industry. Edited by T. B. BINNS. The Williams and Wilkins Company, Baltimore, Md., 1964. pp. xi + 270. Price \$7.50.

The 17 papers in *Absorption and Distribution of Drugs* with the 520 references cited are an excellent introduction to the subject matter and also will provide excellent reading for those well acquainted with the field. Four of the papers are concerned with the fundamentals of absorption, two with the fate of drugs, one with the blood-brain barrier, one with the placental barrier, one with protein binding, two with biopharmaceutical aspects of absorption,

and one with the significance of serum levels of chemotherapeutic agents. The two papers of Bernard B. Brodie, namely, "Physico-Chemical Factors in Drug Absorption" and "Distribution and Fate of Drugs; Therapeutic Implications," constitute approximately one-third of the book and are very fine reviews. The papers entitled, "Pharmaceutical Manipulation and Therapeutic Efficacy," by K. A. Lees, "The Influence of Particle Size upon the Absorption of Drugs from the Gastrointestinal Tract," by J. A. L. Gorrings and E. M. Sproston, and "Absorption of Steroids with Special Reference to Spironolactone," by G. R. Venning, would be interesting reading not only for the industrial scientists in the pharmaceutical industry but also for the practicing pharmacist.

The only disappointment to the reviewer was the paper entitled, "Kinetics of Drug Absorption: Methods and Interpretations," by R. F. Crampton and D. M. Matthews. There is a vast amount of literature on the kinetic interpretation of drug blood levels and urinary excretion which these authors only touched.

NOTICES

Opportunities in Pharmacy Careers. By FRED B. GABLE. Vocational Guidance Manuals, 800 Second Ave., New York 17, N. Y., 1964. viii + 144 pp. 13 × 20 cm. Price \$1.45 paperbound, \$2.65 cloth.

Kirk-Othmer Encyclopedia of Chemical Technology. 2nd edition. Vol. 3, B to Calcium. Executive Editor ANTHONY STANDEN. Interscience Publishers, 605 Third Ave., New York 16, N. Y., 1964. xvi + 927 pp. 19 × 27 cm. Price \$45 single copy, \$35 subscription.

Actualities de Phytochimie Fondamentale. Par C. MENTZER et O. FATIANOFF. Masson et Cie, Editeurs, 120, Boulevard Saint-Germain, Paris VIe, France, 1964. 266 pp. 16.5 × 21.5 cm. Price 85 F. Paperbound.

The Real Voice. By RICHARD HARRIS. The Macmillan Company, 60 Fifth Ave., New York 11, N. Y., 1964. 245 pp. 14 × 21.5 cm. Price \$4.95.

Diet and Bodily Construction. Ciba Foundation Study Group No. 17. Edited by G. E. W. WOLSTENHOLME and MAEVE O'CONNOR. Little, Brown and Company, Boston, Mass., 1964. 120 pp. 12 × 19 cm. Price \$2.95.

Cahiers de Synthèse Organique. Methodes et Tableaux d'Application Vol. XI: Cyclisations (suite). 22.—Cyclisation bimoléculaire mixte. Par JEAN MATHIEU, ANDRE ALLAIS, et JACQUES VALLS. Masson et Cie, Editeurs, 120 Blvd. Saint-Germain, Paris VIe, France, 1964. 343 pp. 15.7 × 22.5 cm. Price 120 F Cartonnie toile.