

*Pharmaceutical Calculations.* By WILLIS T. BRADLEY, CARROLL B. GUSTAFSON, and MITCHELL J. STOKLOSA. Lea & Febiger, Inc., 600 S. Washington Square, Philadelphia 6, Pa., 1963. 357 pp.  $14\frac{1}{2} \times 23$  cm. Price \$5.

The revised fourth edition of this student text on pharmaceutical calculations contains several areas of study which have become more prominent in the intervening years since the last edition. The text covers the usual fundamentals of calculations quite adequately in the tradition of prior editions. Several appendices are worthy of note, particularly those dealing with the HLB system, H-ion concentration, and basic statistical concepts. The authors note that the book is concerned exclusively with the arithmetic of today's applied pharmacy and this emphasis is apparent throughout.

*Advances in Enzymology.* Vol. 25. Edited by F. F. NORD. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. v + 564 pp.  $14\frac{1}{2} \times 22\frac{1}{2}$  cm. Price \$15.

The more significant developments in enzymology are presented in this annual review. Subjects covered include elementary steps in enzyme reactions as studied by relaxation spectrometry; energetics and related topics of photosynthesis; chemistry of light emission; prevalence and significance of product inhibition enzymes; biological methylation; recent developments in the biochemistry of amino sugars, as well as other topics. Cumulative subject and author indexes for volumes 1 through 25 are appended.

*Pharmacological Approach to the Brain.* By W. FELDBERG. Williams & Wilkins Co., 428 East Preston St., Baltimore 2, Md., 1963. 128 pp.  $13 \times 21\frac{1}{2}$  cm. Price \$4.50.

The first lecture in the Evarts A. Graham Memorial Lecture series at the Washington University School of Medicine is presented. The lectures discuss studies by the author on the action of drugs reaching the brain from the cerebral cavities and from the subarachnoid space. Intraventricular injections and perfusion of the cerebral ventricles, penetration of substances into the brain from its inner and outer surface, absorption into the blood stream, and symptomatology are the major areas around which the presentation is organized.

*Analytical Chemistry.* Edited by PHILIP W. WEST. American Elsevier Publishing Co., Inc., 52 Vanderbilt Ave., New York 17, N. Y., 1962. x + 411 pp.  $16 \times 24$  cm. Price \$16.

The proceedings of the Feigl Anniversary Symposium held in England in April 1962 are reported in this volume. All but two papers are published in English. Nearly 60 papers were presented and deal with spot tests and qualitative analysis, semiquantitative spot test methods, organic reagents and their applications, separation processes, and electrochemical, radiochemical, optical, and titrimetric analyses. The volume is indexed for ready reference.

*Index-Handbook of Cardiovascular Agents.* Vol. I. By ISAAC D. WELT. McGraw-Hill Book Co., Inc., 330 West 42nd St., New York 36, N. Y., 1963. xxvi + 2067 pp.  $22\frac{1}{2} \times 27\frac{1}{2}$  cm. Price \$32.50.

Over 18,000 scientific communications have been analyzed and annotated with reference to experimental and clinical data on the effects of chemical agents upon anatomy, physiology, and pathology of the cardiovascular system and presented in this work. The format permits rapid searches for both the effects of a specific compound or group of compounds and the effects on a specific cardiovascular entity. This volume covers the literature published during 1930-1950. Literature reports of particular interest to any subsequent worker can be pinpointed with a high degree of precision.

*Industrial Hygiene and Toxicology.* Vol. II. 2nd rev. ed. FRANK A. PATTY, Editor. John Wiley & Sons, Inc., 605 Third Ave., New York 16, N. Y., 1963. xxxi + 1546 pp.  $15\frac{1}{2} \times 24$  cm. Price \$40.00.

For people responsible for the industrial health of others, a comprehensive treatment of industrial chemicals along with reference to toxicological data and industrial literature is presented. Included in the volume are discussions of the source, uses, industrial exposures, physical and chemical properties, determination in the atmosphere, physiological response, odor and warning properties, flammability, and hygienic standards of permissible exposure regarding industrial chemicals.

*Concise Chemical and Technical Dictionary.* Edited by H. BENNETT. Chemical Publishing Co., Inc., 212 Fifth Ave., New York, N. Y., 1962. xxxix + 1039 pp.  $12\frac{1}{2} \times 22\frac{1}{2}$  cm. Price \$15.00.

The editor has added a separate 119-page section covering about 5000 definitions of new trademarked products, chemicals, drugs, and terms to this second and enlarged dictionary of over 50,000 entries. The format of the original edition has been retained. General sections on the nomenclature of organic chemistry, names and formulas of organic radicals, pronunciations, Greek symbols, important organic ring systems, and tabular data of general usefulness has also been included.

*Antimicrobial Agents and Chemotherapy.* Edited by J. C. SYLVESTER. American Society for Microbiology, 115 Huron View Blvd., Ann Arbor, Mich., 1963. xiv + 884 pp.  $14\frac{1}{2} \times 22\frac{1}{2}$  cm. Price \$12.00.

The scientific reports presented at the Second Interscience Conference on Antimicrobial Agents and Chemotherapy are presented in this second volume of an annual series. The composition, activity, and production of new antibiotics; synergistic effects of antimicrobial agents; control of microbial resistance to antibiotics; effects of physical state of drugs on their activity; chemotherapy of infectious diseases; and clinical evaluation of chemotherapeutic substances are among some of the more prominent subjects included.