

Effects of anabolic agents in man. Papers presented and the discussions which followed are reported under the pertinent topic heading. Subject and author indexes are included for ready access to items of particular interest to the reader.

Chemistry of Carbon Compounds. Vol. 5. Edited by E. H. RODD. American Elsevier Publishing Co., Inc., 52 Vanderbilt Ave., New York 17, N. Y., 1962. xv + 912 pp. 15 × 22 cm. Price \$29 single; \$26 series.

This concluding volume in this series furnishes a general index to the entire five volumes and supplements, in part, selected topics in which there have been conspicuous advance during the decade which has elapsed since the work was started. The general index covers 676 pages. Topics included in this volume are The preparation and use of isotopically labelled organic compounds, Natural acetylenic compounds, Developments in carbohydrate chemistry, and The structure of proteins.

Tables of Random Permutations. By LINCOLN E. MOSES and ROBERT V. OAKFORD. Stanford University Press, Stanford, Calif., 1963. 233 pp. 15.5 × 23.5 cm. Price \$7.

Tables of random permutations of 9, 16, 20, 30, 50, 100, 200, 500, and 1000 integers are provided. The source was the RAND deck of a million random digits; the method utilized to generate permutations from the random integers is described in detail in an appendix. The authors point out that for many common uses in the biological, physical, and social sciences and in engineering, tables of random numbers are less useful than tables of random permutations.

Practical Pharmaceutical Chemistry. By A. H. BECKETT and J. B. STENLAKE. The Athlone Press, University of London, 2 Gower Street, London, S.C. 1, 1962. viii + 378 pp. 15.5 × 25 cm. Price \$10.10.

As a student text in quantitative pharmaceutical chemistry, this book covers a wide variety of methods for the control of chemical purity in medicinal substances. The classical methods of volumetric and gravimetric analysis and limit tests for trace impurities are included but in addition, the authors have included compleximetric, electrometric, and conductometric titration techniques, titration in nonaqueous media, aquametry, and the use of ion-exchange resins in analysis. Instrumental methods based on absorptiometry, spectrophotometry, fluorimetry, and polarography are also included. The first three chapters cover chemical purity and its control and the technique and theoretical basis of quantitative analysis. Along with chapters on specific techniques, the book also includes a chapter on the theory of absorption spectra.

Infrared, Ultraviolet, and Visible Absorption Spectra of Some USP and NF Reference Standards and Their Derivatives. By ALMA L. HAYDEN, OSCAR R. SAMMUL, GEORGE B. SELZER, and JONAS CAROL. Association of Official Agricultural Chemists, Box 540, Benjamin Franklin Station,

Washington 4, D. C., 1962. 104 pp. 17.5 × 25.5 cm. Price \$2.

Infrared, ultraviolet, and visible absorption spectra of 175 USP and NF Reference Standards are illustrated, together with structural formulas and recording data. Infrared absorbance spectra of 32 organic nitrogenous bases derived from some of these standards are also presented. Text and tables describe, in considerable detail, sample handling and recording techniques.

Recent Developments in the Sterilization of Surgical Materials. A Symposium. The Pharmaceutical Press, 17 Bloomsbury Square, London, W.C. 1, 1961. xi + 232 pp. 15 × 23 cm. Paperbound. Price \$7.

This paperbound volume reports a symposium on recent developments in the sterilization of surgical materials held at the University of London in April of 1961 and consists of papers presented and discussions during the symposium. The report covers sterilization by ionizing radiation, gaseous methods of sterilization, and sterility tests. It is indexed by subject.

The Chemistry and Manufacture of Cosmetics. Vol. 2. By MAISON G. DENAVARRE. D. Van Nostrand Co., Inc., 120 Alexander St., Princeton, N. J., 1962. xiv + 413 pp. 15.5 × 23.5 cm. Price \$12.50.

Included in this second volume of a four volume set is extensive coverage of the materials used or of potential use in cosmetics manufacture. Each class of material is arranged alphabetically and fully described to include its chemistry, toxicity, commercial materials, cosmetic uses, germicidal properties, methods of manufacture, emulsifying properties, hazards, and sources. Essential formulations are also included. When the four volumes of this second edition are completed, the cosmetic chemist will have a ready reference to assist him in his work.

Staining, Practical and Theoretical. By EDWARD GURR. The Williams and Wilkins Co., 428 East Preston St., Baltimore 2, Md., 1962. xii + 631 pp. 15 × 22 cm. Price \$16.

The author's stated objectives in writing this book are to present new ideas regarding the mechanism and theory of staining reactions and to bring together, in concise form, a large number of staining procedures previously scattered throughout the literature. He has succeeded in providing an encyclopedic reference volume. Some 700 stain formulas and 300 procedures are included. The first section of the book deals with theoretical considerations and the second section provides procedures in monograph form, frequently with a bold-faced description of the use of the particular stain. A third section contains the formulas for the stains, fixatives, and tables needed in this work. An index for rapid reference completes the book.

Readings in Pharmacology. Edited by LOUIS SHUSTER. Little, Brown and Co., 34 Beacon St., Boston 6, Mass., 1962. xii + 548 pp. 15.5 × 23.5 cm. Paperbound. Price \$5.50.