

ture concerning the primary structure and chemical modification of proteins and enzymes. The literature related to the use of X-rays for the studies of protein structure and the analytical tools employed in the elucidation of conformation and interaction of peptides and proteins is extremely well documented. The other chapters, likewise, have received the proper treatment.

The subject index has been abolished in this volume. However, this hardly reflects on the ease with which the proper subject reference can be located. This has been achieved by providing a detailed table of contents. This volume is a must for the desk of the scientist working in the areas of amino acids, peptides, and proteins.

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Chemical and Biological Aspects of Drug Dependence. Edited by S. J. MULE and Henry BRILL, M.D. CRC Press, 18901 Cranwood Pkwy., Cleveland, OH 44128, 1972. 561 pp. 18 × 26.5 cm.

The purpose of this publication is to provide, in one reference source, the basic knowledge and background information that currently define the chemical and biological basis of drug dependence. To obtain a better understanding of drug dependence and drug abuse, the characteristics of drug dependence of various pharmacological classes of drugs are described. Theories related to tolerance development and physical dependence are then discussed. Finally, the biochemical mechanisms associated with biological strata, e.g., enzymes, proteins, and hormones, are explained in relationship to drug dependence. Twenty-five separately authored discussions are divided into five sections covering significance and characteristics of drug dependence, criteria for their evaluation, chemical aspects, physiological and pharmacological aspects, and biochemical aspects.

Staff Review ■

Modern Analytical Methods. By D. BETTERIDGE and H. E. HALLAM. The Chemical Society, Burlington House, London W1V 0BN, England, 1972. 220 pp. 14 × 21.5 cm. Price £2.00.

The objective of this publication is to acquaint teachers with the most important methods of modern analysis. To aid in understanding the analytical methods, modern methods of testing complex equilibria are also included. Although the discussion of individual techniques is condensed, an attempt has been made to include the fundamental theory necessary to understand the method or technique being discussed.

Staff Review ■

Handbook of Commercial Scientific Instruments, Volume 1: Atomic Absorption. By CLAUDE VEILLON. Marcel Dekker, Inc., 95 Madison Ave., New York, NY 10016, 1972. 174 pp. 15 × 23 cm. Price \$11.75.

Commercially available instruments, by type, will be detailed in this new multivolume series. In volume 1, the instrumentation available for atomic absorption spectroscopy is covered. Specifications, descriptions, schematic drawings, photographs, approximate prices, and accessories are given in separate discussions for each manufacturer, and in summary tables given at the end of the book for quick comparisons.

The information is essentially that provided by the manufacturer. The volume authors are engaged in research in the area covered by their respective books and are familiar with the available instrumentation. The authors do not represent any instrument manufacturer.

This volume begins with a general discussion of atomic absorption spectroscopy requirements and instruments, followed by sections on each manufacturer and his instruments. A summary section focusing on cost considerations and tables comparing the discussed instruments complete the book.

This book and, presumably the rest of the series, bring together information available but from many diverse sources. The book should be useful in preliminary considerations of equipment acquisitions.

Staff Review ■

NOTICES

Medicaments Organiques de Synthèse, Chimie et Pharmacologie, Volume V. Edited by Leon VELLUZ. Masson et C^o, 120 Boulevard Saint-Germain, Paris VI^e, France. 270 pp. 15 × 21.5 cm. Price Fr. 165. (French)

Molecular Mechanisms of Antibiotic Action on Protein Biosynthesis and Membranes, Proceedings of a Symposium held at the University of Granada (Spain), June 1-4, 1971. Edited by E. MUNOZ, F. GARCIA-FERRANDIZ, and D. VAZQUEZ. American Elsevier, 52 Vanderbilt Ave., New York, NY 10017, 1973. 804 pp. 16 × 24 cm. Price \$27.50.

Carbohydrate Chemistry, Volume V, A Specialist Periodical Report. Senior Reporter, J. S. BRIMACOMBE. The Chemical Society, Burlington House, London, W1V 0BN, England, 1972. 434 pp. 13 × 21.5 cm. Price £8.00.

Philosophy of Medicine and Science: Problems and Perspectives. Compiled by Department of Philosophy of Medicine and Science, Institute of History of Medicine and Medical Research, New Delhi 62, India. 289 pp. 16 × 24 cm.

Developmental Physiology and Aging. By P. S. TIMIRAS. Macmillan, 866 Third Ave., New York, NY 10022, 1972. 692 pp. 17.5 × 25 cm. Price \$19.95.

Glucagon: Molecular Physiology, Clinical and Therapeutic Implications. Edited by PIERRE J. LEFEBVRE and ROGER H. UNGER. Pergamon Press, Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, 1972. 370 pp. 17 × 25 cm. Price \$37.50.