

interferences, etc. Most of the second half of the book is devoted to a listing of analytical procedures metal-by-metal for some 49 common metals. The last section of the book includes a description of most of the commercially produced instruments now on the market with some discussion of advantages and disadvantages of each. It also includes a brief discussion of special topics related to atomic absorption spectroscopy such as atomic fluorescence, vacuum ultraviolet techniques, etc.

While the important aspects of the subject appear to have been covered quite adequately, one gets the impression that the author has leaned rather too heavily on a few well-known sources for his information and so has not given his work a broad enough base. Certainly, his discussion of currently available instruments more strongly reflects information gleaned from instrument manufacturers than from personal experience either of the author or of other workers in the field. Incidentally, much of this section is already outdated since it does not mention the rapidly growing field of automated atomic absorption analysis and the many partially or completely automated instruments now on the market.

Notwithstanding its deficiencies, the book can be highly recommended to almost any beginner in the field who would like to know what atomic absorption spectroscopy will do for him, how and when to use it, what equipment is available, what pitfalls to avoid, and how to get the most out of equipment already purchased. It should serve most analysts well, at least until they have gotten their bearings in the field. After that they are on their own.

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*Quantitative Pharmaceutical Chemistry.* Sixth Edition. By GLENN L. JENKINS, ADELBERT M. KNEVEL, and FRANK E. DIGANGI. Blakiston Div., McGraw-Hill Book Co., 330 West 42nd St., New York, NY 10036, 1967. xxi + 519 pp. 16 × 23.5 cm. Price \$12.

The latest revision of this reference and instruction text reflects significant trends which are evident in the methods of analysis included in "The United States Pharmacopeia XVII" and in "The National Formulary XII." The presentation remains relatively unchanged with an introductory discussion for each topic and a classification of U.S.P. and N.F. monographs according to general assay methods. However, specialized areas including potentiometry and pH and hydronium ion concentration are noted for expanded coverage. The addition of new sections on nonaqueous titrations and complexation methods is indicative of the extensive use accorded such procedures. There are approximately 150 official assays which employ nonaqueous titration and about 50 monographs involving complexation techniques. The reagent of choice for the latter group is disodium ethylenediaminetetraacetate (EDTA). Increased emphasis toward instrumental methods is shown by new entries on infrared spectroscopy, polarography, and gas chromatography. The general section of chromatography has been extended to include thin-layer chromatography.

The book is recommended as a companion volume for information pertaining to U.S.P. and N.F. articles, especially in view of the physical impossibility of incorporating complete instructional background material in the compendia.

Staff review

## NOTICES

*International Encyclopedia of Pharmacology and Therapeutics.* Sponsored by the International Union of Pharmacology. Sec. 6, Vols. I and II, *Clinical Pharmacology.* Edited by L. LASAGNA. Pergamon Press, Inc., 44-01 21st St., Long Island City, NY 11101, 1966. 667 pp. 15.5 × 23.5 cm. Price: Vol. I \$12.50, Vol. II \$9.50.

*American Drug Index 1967.* By C. O. WILSON and T. E. JONES. J. B. Lippincott Co., E. Washington Square, Philadelphia, PA 19105, 1967. x + 785 pp. 14 × 21 cm. Price \$7.50

*Arzneimittelübersicht IV.* Zusammengestellt und bearbeitet. By K. Gerecke and J. Richter. VEB Verlag Volk und Gesundheit, Absatzabteilung, DDR-Jena, Villengang 2/PostschlieBfach 176, Germany, 1966. 138 pp. 20.5 × 29.5 cm. Price MDN 4.80. Paperbound.

*Medicinal Plant Glycosides.* An Introduction for Pharmacy Students. By STEPHEN K. SIM. University of Toronto Press, Toronto 5, Ontario, Canada, 1967. v + 76 pp. 17.5 × 24 cm. Price \$1.50. Paperbound.

*Prufung von Drogen.* By MARTIN LUCKNER. VEB Gustav Fischer Verlag, DDR-Jena, Villengang 2/PostschlieBfach 176, Germany, 1966. 357 pp. 15 × 20.5 cm. Price MDN 24.40.

*Pharmakologie-Fibel.* Tafeln zur Pharmakologie-Vorlesung. Heidelberger Taschenbucher, Band 18. By F. LEMBECK and K. F. SEWING. Springer-Verlag, 1 Berlin 31 (Wilmersdorf), Heidelberger Platz 3/Berlin-West, Germany, 1966. viii + 117 pp. 13.5 × 20 cm. Price DM 5.80. Paperbound.

*The Uptake and Storage of Noradrenaline in Sympathetic Nerves.* By LESLIE L. IVERSEN. Cambridge University Press, 32 E. 57th St., New York, NY 10022, 1967. xiv + 253 pp. 14.5 × 22 cm. Price \$11.