

notic, and sedative drugs, vitamins, CNS agents, antituberculins, purines, catechols, catecholamines, and antibiotics containing a nitro group. One chapter is concerned with the basic medical sciences, including clinical medicine, chemical carcinogenesis, neurophysiology, virology, immunology, and cells. The polarographic analysis of organic compounds in the aqueous environment is discussed in one chapter. Another chapter discusses the analysis of organic compounds used in agriculture. The last two chapters are concerned with the analysis of organometallic compounds containing mercury, tin, lead, germanium, and arsenic.

This much-needed update discusses developments in the polarographic analysis of organic molecules that have occurred since Peter Zuman wrote "Organic Polarographic Analysis" in 1965. The book is well edited and is easy to read and understand. Each chapter has its own table of contents, and there is a subject index that covers the entire book. Furthermore, each chapter has adequate references that enable the reader to extend beyond the scope of the present book.

There are minor flaws. Chapter 4 should have stated that the $E_{1/2}$ range of $-0.1 \rightarrow -0.4$ v (saturated calomel electrode) is for a nitro group conjugated to an aromatic system. There are other antibiotics containing a nitro group attached to an aliphatic system, such as everninomicins, that can be determined polarographically [Kabasakalian *et al.*, *J. Pharm. Sci.*, **63**, 641 (1974)]. It also is unfortunate that the polarographic analysis of an important compound such as adriamycin (doxorubicin) was omitted [Rao *et al.*, *J. Electrochem. Soc.*, **125**, 534 (1978)]. There is a printing error in the last paragraph on p. 19; $(-1.5 \rightarrow 17$ v) should be 1.7 v.

With the exception of these minor criticisms, the book succeeds admirably in its goal. It is recommended for addition to the library of research workers in the area of pharmaceuticals and allied medicine, analytical chemists, environmental scientists, and agriculture.

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NOTICES

Drug Treatment: Principles and Practice of Clinical Pharmacology and Therapeutics, 2nd Ed. Edited by GRAEME S. AVERY. Adis Press, 515 Madison Ave., New York, NY 10022. 1980. 1382 pp. 17 × 26 cm.

Microbial Drug Resistance, Vol. 2. Edited by SUSUMU MITSUHASHI. University Park Press, 233 E. Redwood St., Baltimore, MD 21202. 1979. 439 pp. 14 × 23 cm. Price \$42.50.

Prevention and Detection of Cancer, Part II, Vol. 2: Cancer Detection in Specific Sites. Edited by HERBERT E. NIEBURGS. Dekker, 270 Madison Ave., New York, NY 10016. 1980. 2456 pp. 18 × 25 cm. Price \$69.50.

Nutritional Improvement of Food and Feed Proteins. Edited by MENDEL FRIEDMAN. (Advances in Experimental Medicine and

Biology, Vol. 105.) Plenum, 227 W. 17th St., New York, NY 10011. 1978. 882 pp. 16 × 25 cm. Price \$69.50.

Anatomie Physiologie Pathophysiologie des Menschen: Ein Lehrbuch für Pharmazeuten und Biologen. By GERHARD THEWS, ERNST MUTSCHLER, and PETER VAUPEL. Wissenschaftliche Verlagsgesellschaft, Stuttgart, West Germany. 1980. 792 pp. 16 × 24 cm.

Pharmacology of Ganglionic Transmission. Edited by D. A. KHARKEVICH. (Handbook of Experimental Pharmacology, Vol. 5.) Springer-Verlag New York Inc., 444 Hartz Way, Secaucus, NJ 07094. 1980. 531 pp. 16 × 24 cm. Price \$134.75.

Electrophoresis—A Survey of Techniques and Applications. Part A: Techniques. Edited by Z. DEYL. (Journal of Chromatography Library, Vol. 18.) Elsevier/North Holland Inc., 52 Vanderbilt Ave., New York, NY 10017. 1979. 390 pp. 15 × 24 cm. Price \$83.00.

Handbook of Water-Soluble Gums and Resins. Edited by ROBERT L. DAVIDSON. McGraw-Hill, 1221 Avenue of the Americas, New York, NY 10020. 1980. 657 pp. 15 × 23 cm. Price \$39.50.

The Essential Guide to Prescription Drugs, Revised Edition. By JAMES W. LONG. Harper & Row, 10 E. 53rd St., New York, NY 10022. 1980. 863 pp. 16 × 23 cm. Price \$25.00 cloth and \$8.95 paper.

Progress in Drug Research, Vol. 23. Edited by ERNST JUCKER. Birkhäuser, Basel, Switzerland. 1979. 320 pp. 16 × 24 cm.

The Neurobiology of Dopamine. Edited by A. S. HORN, J. KORF, and B. H. C. WESTERINK. Academic, 111 Fifth Ave., New York, NY 10003. 1979. 723 pp. 15 × 23 cm. Price \$83.00.

Hagers Handbuch der Pharmazeutischen Praxis, 4th Ed., Vol. 6, Part C: T-Z. Edited by P. H. LIST and L. HÖRHAMMER. Springer-Verlag, Heidelberger Platz 3, Postfach D 1000, Berlin 33, West Germany. 1979. 582 pp. 17 × 24 cm. Price \$88.00.

Monoamine Oxidase: Structure, Function, and Altered Functions. Edited by THOMAS P. SINGER, R. W. VON KORFF, and DENNIS L. MURPHY. Academic, 111 Fifth Ave., New York, NY 10003. 1979. 557 pp. 15 × 23 cm.

Isoenzyme Analysis. By D. W. MOSS. (Analytical Sciences Monographs No. 6.) The Chemical Society, Burlington House, London W1V 0BN, England. 1979. 163 pp. 13 × 22 cm. Price \$22.00.

The International Pharmacopoeia, 3rd Ed., Vol. 1: General Methods of Analysis. World Health Organization, 1211 Geneva 27, Switzerland. 1979. 223 pp. 15 × 24 cm. Price Sw. fr. 24.

Clinical Pharmacological Evaluation in Drug Control. (EURO Reports and Studies 13.) World Health Organization, 1211 Geneva 27, Switzerland. 1979. 31 pp. 15 × 21 cm. Price Sw. fr. 5.

The Selection of Essential Drugs. (Technical Report Series 641.) World Health Organization, 1211 Geneva 27, Switzerland. 1979. 44 pp. 14 × 20 cm. Price Sw. fr. 3.

NEW JOURNALS

Biomaterials. Edited by S. D. BRUCK and G. W. HASTINGS. IPC Science and Technology Press, 205 E. 42nd St., New York, NY 10017. 1980. 20 × 30 cm. Price \$117.00 (four issues per year).