

After extensive scrutinization this reviewer can find only a few areas that may be considered for changes in future editions: 1. The use of natural logarithms instead of log to the base of 10. This will remove the always difficult task by students of deciding when to use the correction factor 2.303. 2. The use of the current concept of clearance throughout the book, not just in segments; i.e., treating clearance as a fundamental pharmacokinetic parameter throughout the book rather than being dependent on volume of distribution and fractional rates (i.e., elimination rate constant).

In summary, this is a substantially expanded version of the first edition, and as a comprehensive and logically developed text, it will probably enjoy an even higher readership than its predecessor. A must for all pharmacokineticists.

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Chromatography and Mass Spectrometry in Biomedical Sciences 2. (Analytical Chemistry Symposia Series 14). Edited by A. FRIGERIO. Elsevier/North Holland, 52 Vanderbilt Avenue, New York, N.Y. 10017. 1983. 506 pp. 16 × 24 cm. Price \$106.50 (Dfl. 250).

This book contains the proceedings of the International Conference on Chromatography and Mass Spectrometry in Biomedical Sciences, held in Bordighera, Italy, in June 1982. There are five plenary lectures on five topics. Three of these lectures are on techniques such as combined gas chromatography-Fourier transform infrared spectroscopy, quantitative ion-exchange thin-layer chromatography, and tandem mass spectrometry (MS-MS). They represent the state of the art on each of the techniques and are well written. The other two plenary lectures are on "Recent Applications of Mass Spectrometry to Cannabinoid Studies" and "Chromatographic Techniques for Determination of Some Calcium Antagonist Drugs in Biological Fluids." Both of these presentations, as well as the previous three lectures, are worth reading. The rest of the papers presented or given as poster sessions at this meeting are widely varied, from drug studies to environmental analysis, where the techniques applied include the use of radioimmunoassay, high-performance liquid chromatography, thin-layer chromatography, gas chromatography, and combined techniques of gas chromatography-mass spectrometry. Like any other conference there are some good papers, some average in quality, and some which do not add anything new to the use of chromatography and mass spectrometry in the biomedical or environmental fields.

Since this book covers a very broad spectrum of techniques and subjects, it can not be recommended for anyone seeking an in-depth discussion on any particular subject. It certainly can be recommended for those who want an overview of the state of the art and current thinking of chromatography and mass spectrometry.

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New Drug Parade: A Historical Minireview 1954-1982. By PAUL DE HAEN. Paul de Haen International, Inc., 2750 S. Shoshone Street, Englewood, CO 80110. 1983. 22 × 28 cm. Price \$25.00.

New Drug Review: A Historical Minireview offers a statistical and descriptive tabulation of major new drug introductions in the United States from 1954 to present, including single chemical entities, duplicate single products, combination products, and new dosage forms. Major drugs introduced each year are listed by trade name, generic name,

manufacturer, therapeutic use, chemical class, and foreign developer. The listed drugs have been selected on the basis of chemical innovation and therapeutic advantages.

In addition to the statistical and descriptive information, the publication includes brief comments for each year on such significant events as the state of research, trends in the pharmaceutical industry, and the relationship between the industry and governmental agencies. Also included are pertinent references to the original reports in *Drug and Cosmetic Industry* and secondary citations of the press comments, editorials, and reprint history. Following the individual information for each year is an overview of the entire period, including summary statistics.

—Staff Review

NOTICES

Basic Documents, 33rd Ed. World Health Organization, Geneva, Switzerland. 1983. 176 pp. 16 × 24 cm. Price Sw. Fr. 12.

Cancer Incidence in Five Continents, Vol. IV. (IARC Scientific Publications No. 42). Edited by J. A. H. WATERHOUSE, C. S. MUIR, K. SHANMUGARATNAM, and J. POWELL. World Health Organization, 1211 Geneva 27, Switzerland. 1982. 812 pp. 22 × 30 cm. Price \$50.00 (Sw. Fr. 100).

Cancer Incidence in Singapore 1968-1977. By K. SHANMUGARATNAM, H. P. LEE, and N. E. DAY. World Health Organization, International Agency for Research on Cancer, Singapore Cancer Registry, Lyon, France. 1983. 171 pp. 21 × 29.8 cm. Price \$15.00 (Sw. Fr. 30).

Catalog of Teratogenic Agents, 4th Ed. By THOMAS H. SHEPARD. The Johns Hopkins University Press, Baltimore, MD 21218. 1983. 529 pp. 16 × 24 cm. Price \$35.00.

Chronopharmakologie—Tagesrhythmen und Arzneimittelwirkung. By BJORN LEMMER. Wissenschaftliche Verlagsgesellschaft mbH Stuttgart, Birkenwaldstrasse 44, 7000 Stuttgart 1, West Germany. 1983. 100 pp. 15.5 × 23 cm. Price DM 29.

Circular Dichroic Spectroscopy: Excitation Coupling in Organic Stereochemistry. By NOBUYUKI HARADA and KOJI NAKANISHI. University Science Books, 20 Edgehill Road, Mill Valley, CA 94941. 1983. 460 pp. 21 × 24 cm. Price \$32.00.

Complying With FDA Good Manufacturing Practice Requirements: How to Develop Your GMP/QA Manual. By JOHN J. RIORDAN and WILLIAM COTLIAR. Association for the Advancement of Medical Instrumentation, 1901 N. Fort Myer Drive, Arlington, VA 22209. 1983. 201 pp. 22 × 28 cm. Price \$65.00 (\$50.00 for AAMI members.)

Depressive Disorders in Different Countries. World Health Organization, Geneva, Switzerland. 1983. 150 pp. 16 × 24 cm. Price Sw. Fr. 17.

Dermal and Transdermal Absorption. Edited by RAINER BRANDAU and BARBEL H. LIPPOLD. Wissenschaftliche Verlagsgesellschaft mbH, Postfach 40, D-7000 Stuttgart 1, West Germany. 1982. 257 pp. 15 × 23 cm. Price DM 88, für Bezieher, DM 70.50 der Reihe.

Drug Benefit Formulary, No. 19, July 1983. PARCOST Comparative Drug Index. The Ministry of Health, Ontario, Canada. 1983. 214 pp. 14.8 × 20.9 cm. Price \$1.00.

Drug Treatment in Obstetrics: A Handbook of Prescribing. By R. S. LEDWARD and D. F. HAWKINS. Methuen, 733 Third Avenue, New York, NY 10017. 1983. 262 pp. 12.4 × 18.6 cm. Price \$29.00 (cloth), \$13.95 (paperback).

Drug Utilization in Norway During the 1970s—Increases, Inequalities, Innovations. Edited by SOLVEIG SAKSHAUG, MARIT ANDREW, PETER F. HJORT, PETER KNUT M. LUNDR, and KARE ØYD-VIN. Norwegian Medicinal Depot, P.O. Box 100, Vietvet, Oslo 5, Norway. 1983. 271 pp. 15 × 21 cm. Paperback.

Eleventh Annual Report, 1982: World Health Organization Special Programme of Research Development and Research Training in Human Reproduction. World Health Organization, Geneva, Switzerland. 1982. 159 pp. 18.5 × 24 cm.

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- Environmental Health Criteria 22: Ultrasound.* Published under the joint sponsorship of the United Nations Environment Programme, the World Health Organization, and the International Radiation Protection Association. World Health Organization, Geneva, Switzerland. 1982. 199 pp. 14 × 21 cm. Price Sw. Fr. 16.
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- Environmental Health Criteria 25: Selected Radionuclides.* Published under the joint sponsorship of the United Nations Environment Programme, the International Labour Organization, and the World Health Organization. World Health Organization, Geneva, Switzerland. 1983. 237 pp. 14 × 21 cm. Price Sw. Fr. 18.
- The Essential Guide to Nonprescription Drugs.* By DAVID R. ZIMMERMAN. Harper and Row, 10 East 53rd Street, New York NY 10022. 1983. 886 pp. 15 × 24 cm. Price \$10.95 (paperback).
- The Fischer Indole Synthesis.* By B. ROBINSON. Wiley, One Wiley Drive, Somerset, NJ 08873. 1983. 923 pp. 16 × 24 cm. Price \$200.00.
- A Handbook on Drug and Alcohol Abuse: The Biomedical Aspects (2nd Ed.).* By FREDRICK G. HOFFMAN. Oxford University Press, 200 Madison Avenue, New York, NY 10016. 1983. 329 pp. 15.3 × 22.9 cm. Price \$27.50 (Cloth), \$14.95 (paperback).
- Handbook of Metal Ligand Heats and Related Thermodynamic Quantities, 3rd Ed., Revised and Expanded.* By JAMES J. CHRISTENSEN and REED M. IZATT. Dekker, 270 Madison Avenue, New York, NY 10016. 1983. 800 pp. 18 × 26 cm. Price \$95.00 (20% higher outside the U.S. and Canada).
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- Trace Elements, Hair Analysis and Nutrition.* By RICHARD A. PASSWATER and ELMER M. CRANTON. Keats Publishing, 27 Pine Street, New Canaan, CT 06840. 1983. 385 pp. 15.4 × 22.9 cm. Price \$14.95 (paperback), \$18.95 (cloth). (Received by American Pharmacy.)
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