

**Polyether Antibiotics, Vol. 1: Naturally Occurring Acid Ionophores.**

Edited by JOHN W. WESTLEY. Dekker, New York, N.Y. 1982. 565 pp. 15 × 23 cm. Price \$65.00 (20% higher outside the U.S. and Canada).

This is the first volume of a two-volume work on the naturally occurring ionophore antibiotics. These antibiotics bind monovalent or divalent cations. The best known and commercially produced ones are the anti-coccidia agents lasalocid and monensin.

The book starts with a classification scheme for the 76 polyether antibiotics known by 1982. There are 10 chapters. Chapter 1 is on notation and classification. Structural formulas are used in large number as they should be in such a book. Chapter 2 is on taxonomy of the organisms that produce the antibiotics. One half of the antibiotics are produced by different strains of two species of *Streptomyces*. Chapter 3 discusses biosynthesis, production, and assay. Chapter 4 is on the complexes formed by the antibiotics and cations, and transport of the cations by the complexes. Chapter 5 "provides a broad overview of the many, diverse effects of the carboxylic acid ionophores on biological systems." There is a chapter on veterinary applications, one on the effect of lasalocid and monensin in chickens, one on the pharmacology of lasalocid (cardiovascular action), one on cardiovascular and renal effects of an ionophore, and the final chapter on bromolasalocid as an antihypertensive ionophore. Those with an interest in monensin will find the coverage as complete as published literature permits.

This book has some interesting statistics. Ten of the authors were from Hoffmann-LaRoche, Inc.; the other eight were from medical schools, USDA, etc. Of the 465 pages, 200 were text and figures, 135 were tables, 95 were bibliography, 30 were an author index, and 6 were a subject index. The subject index is skimpy for a book of this size and importance. References are collected at the end of each chapter. A very unusual feature is giving of the complete title of each publication cited.

The publisher is to be commended for departing from the current norm of bookmaking by printing the title in large blue letters on a white spine thus enabling the title to be read from a distance greater than 2 feet. This book illustrates one advantage of having a domestic company with close ties to Europe with its concept of scholarly works.

All who work with polyether antibiotics should have a copy of this book.

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**Trends in Inflammation Research 2. (Agents and Actions Supplements, Vol. 10). Edited by H. BEKEMEIER AND R. HIRSCHMANN.** Birkhäuser Boston, Inc., Cambridge, MA 02139. 1982. 315 pp. 16.5 × 23.5 cm. Price \$37.95.

All of the papers in this book were presented at the 4th Summer Colloquium on Pharmacology, Biochemistry, and Immunology of Inflammation held at the Martin Luther University in Germany during July 1981. The title of the book, together with the description of the contents on the outside back cover, suggests that this collection of papers should be a valuable source of information on recent anti-inflammatory research carried out in West Germany.

On closer reading, however, the book proved disappointing. The authors are drawn mainly from just a few research centers so that the book covers only limited aspects of inflammation research. Of the 52 contributors to the volume, no less than 20 come from the Martin Luther University; 40 of the 52 contributors are from just four German universities. Furthermore, of the 23 chapters in the book, 10 are co-authored by H. Bekemeier and 7 are co-authored by R. Hirschmann.

Other aspects of the book can be criticized. The sentence structure is often very awkward, evidently arising from an inadequate translation from the original German. This makes it difficult for the English-speaking reader to understand the material. It appears as though every paper submitted for publication was accepted without modification. A number of chapters are not written in a proper scientific journal format nor do they appear to have been critically reviewed prior to publication. The book serves as a vehicle for reporting many negative laboratory results that would not be publishable elsewhere. As a result, the quality of the papers in this book is below that found in an average journal.

I cannot recommend this book. It is not of general utility to scientists in the field of anti-inflammatory drug research. The book is difficult to

read and too diffuse in subject matter. A few of the papers may be worthy of publication in a scientific journal, but only after appropriate impartial review and editorial revision.

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**Hormone Drugs.** Workshop Organizers, JOHN L. GUERIGUIAN, EDWIN D. BRANSOME, JR., and AUDREY S. OUTSCHOORN. U.S. Pharmacopeial Convention, Inc., 12601 Twinbrook Parkway, Rockville, MD 20852. 1982. 584 pp. 15 × 23 cm. Price \$49.00 (plus postage).

This book contains the proceedings of the FDA-USP Workshop on Drug and Reference Standards for Insulins, Somatotropins, and Thyroid-axis Hormones, which was held in Bethesda, Maryland, in May 1982.

The volume contains over 50 papers presented at the meeting by experts in the field from Europe, New Zealand, and the United States. The subjects covered are timely from the clinical, scientific, and commercial standpoints, since they concern problems relating to standardization of these substances. Representative examples of papers presented at the Workshop are: "Production of Human Monocomponent Insulin," "Radioimmunological Determinations of Contaminants in Insulins," "Desired Characteristics of Insulins to be used in Insulin Pumps," "Structure and Function of Growth Hormones," "The Human Growth Hormone Gene Family," "Non-Isotopic Methods for Determination of Oral Thyroxine Absorption," and "Hypothalamic Peptide Hormones for Clinical Use."

For each of the three groups of hormone drugs, the proceedings include a summary presentation of current viewpoints regarding standardization with an eventual aim of precise dosage efficacy and safety. Also included is a general overview which describes potential developments in newer forms and formulations for better patient treatment.

This series of well-written papers clearly provides comprehensive information on drug and reference standards for insulins, somatotropins, and thyroid-axis hormones and problems relating to the standardization of these substances. It is a valuable resource for scientists with interests in these aforementioned areas.

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## NOTICES

*Advanced Interpretation of Clinical Laboratory Data. (Clinical and Biochemical Analysis Series, Vol. 13). Edited by CAMILLE HEUSGHEM, ADELIN ALBERT, and ELLIS S. BENSON.* Dekker, 270 Madison Ave., New York, NY 10016. 1982. 420 pp. 15 × 24 cm. Price \$55.00 (20% higher outside the U.S. and Canada).

*Advances in Chromatography. Vol. 20.* Edited by J. CALVIN GIDDINGS, ELI GRUSHKA, JACK CAZES, and PHYLLIS R. BROWN. Dekker, 270 Madison Ave., New York, NY 10016. 1982. 286 pp. 15 × 23 cm. Price \$45.00 (20% higher outside the U.S. and Canada).

*Analysis of Drugs and Metabolites By Gas Chromatography-Mass Spectrometry. Vol. 7.* By BENJAMIN J. GUDZINOWICZ and MICHAEL J. GUDZINOWICZ. Dekker, 270 Madison Ave., New York, NY 10016. 1980. 557 pp. 15 × 23 cm. Price \$69.50.

*Antibiotics in Laboratory Medicine.* By VICTOR LORIAN. Williams & Wilkins, P.O. Box 64024, Baltimore, MD 21264. 1980. 737 pp. 17 × 25 cm. Price \$65.00.

- Antibiotics in the Management of Infections: Outlook for the 1980s.* (Merck Sharp & Dohme International Medical Advisory Council; Paris, France—June 14–15, 1982). Edited by ALEXANDER G. BEARN. Raven, 1140 Avenue of the Americas, New York, NY 10036. 1983. 258 pp. 15 × 23 cm. Price \$27.50.
- Arsenic: Industrial, Biomedical, Environmental Perspectives.* Edited by WILLIAM H. LEDERER and ROBERT J. FENSTERHEIM. Van Nostrand Reinhold, 135 W. 56th St., New York, NY 10020. 1982. 464 pp. 17 × 24 cm. Price \$42.00.
- Azospirillum: Genetics, Physiology, Ecology.* (Experientia Supplementum Vol. 42). Edited by W. KLINGMÜLLER. Birkhäuser Boston, 380 Green St., Cambridge, MA 02139. 1982. 149 pp. 16 × 24 cm. Price \$24.95 (softcover).
- Behavioral Models and the Analysis of Drug Action.* Edited by MICHAEL Y. SPIEGELSTEIN and AHARON LEVY. Elsevier Scientific Publishing, 52 Vanderbilt Ave., New York, NY 10017. 1982. 498 pp. 16 × 25 cm. Price \$139.50 (Dfl. 300.00).
- The Botany and Chemistry of Hallucinogens. 2nd Ed.* By RICHARD EVANS SCHULTES and ALBERT HOFMANN. Charles C. Thomas, 301–327 E. Lawrence Ave., Springfield, Ill. 1980. 437 pp. 15 × 23 cm. Price \$28.75.
- Cardiovascular Survey Methods. 2nd Ed.* By G. A. ROSE, H. BLACKBURN, R. F. GILLUM, and R. J. PRINEAS. Geneva, World Health Organization. (Monographs Series No. 56). 178 pp. 15 × 24 cm. Price Sw Fr. 22. (Also available in Spanish; French edition in preparation).
- Clinical and Biochemical Luminescence.* (Clinical and Biochemical Analysis Series, Vol. 12). Edited by LARRY J. KRICKA and TIMOTHY J. N. CARTER. Dekker, 270 Madison Ave., New York, NY 10016. 1982. 289 pp. 15 × 23 cm. Price \$45.00 (20% higher outside the U.S. and Canada).
- Contemporary Heterocyclic Chemistry: Synthesis Reactions, and Applications.* By GEORGE R. NEWKOME and WILLIAM W. PAULDLER. Wiley, 605 Third Ave., New York, NY 10016. 1982. 422 pp. 15 × 24 cm.
- Development and Management of Research Groups.* By ROBERT V. SMITH. The University of Texas Press, Austin, TX 78712. 1980. 91 pp. 15 × 23 cm. Price \$10.95 (cloth); \$7.95 (paper).
- Directory of On-going Research in Cancer Epidemiology.* Edited by C. S. MUIR and C. WAGNER. Lyons, International Agency for Research on Cancer. (IARC Scientific Publications No. 46). Health & Biomedical Information Programme, World Health Organization, 1211 Geneva 27, Switzerland. 1982. 722 pp. 16 × 24 cm. Price SW Fr. 40.
- Electrophoresis. A Survey of Techniques and Applications Part B: Applications.* Edited by Z. DEYL. Co-Editors: A. CHRAMBACH, F. M. EVERAERTS, and Z. PRUSIK. Elsevier Scientific Publishing, Amsterdam, The Netherlands. 1983. 462 pp. 16 × 24 cm. Price \$104.75 (Dfl. 225).
- Ethics and Regulation of Clinical Research.* By ROBERT J. LEVINE. Urban & Schwarzenberg, 7 East Redwood St., Baltimore, MD 21202. 1981. 299 pp. 15 × 23 cm. Price \$35.00.
- Genetic Engineering Applications for Industry.* Edited by J. K. PAUL. Noyes Data Corp., Mill Rd. at Grand Ave., Park Ridge, NJ 07656. 1981. 580 pp. 15 × 23 cm.
- Handbook of Clinical Drug Data. 5th Ed.* Edited by JAMES E. KNOBEN and Phillip O. ANDERSON. Drug Intelligence Publications, 1241 Broadway, Hamilton, IL 62341. 1983. 669 pp. 10 × 19 cm. Price \$29.50.
- Handbook: Interactions of Selected Drugs and Nutrients in Patients. 3rd Ed.* By DAPHNE A. ROE. The American Dietetic Assn. 430 N. Michigan Ave., Chicago, IL 60611. 139 pp. 21 × 26 cm. Price \$17.50.
- IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Vol. 29: Some Industrial Chemicals and Dyestuffs.* Lyons, International Agency for Research on Cancer. Health & Biomedical Information Programme, World Health Organizations, 1211 Geneva 27, Switzerland. 1982. 416 pp. 17 × 24 cm. Price \$30.00 (Sw Fr. 60).
- IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Supplement 3: Cross Index of Synonyms and Trade Names in Vols. 1 to 26.* Lyon, International Agency for Research on Cancer. Health & Biomedical Information Programme, World Health Organization, 1211 Geneva 27, Switzerland. 1982. 199 pp. 17 × 24 cm. Price \$30.00 (Sw. Fr. 60).
- IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans, Supplement 4: Chemicals, Industrial Processes and Industries Associated with Cancer in Humans—IARC Monographs Vols. 1–29.* Lyons, International Agency for Research on Cancer. World Health Organization, 1211, Geneva 27, Switzerland. 1982. 292 pp. 18 × 24 cm. Price \$30.00 (Sw Fr. 60).
- International Drinking Water Supply and Sanitation Decade. National Decade Plans: Eight Questions They Answer.* World Health Organization, Geneva, Switzerland. 1982. 18 pp. 16 × 24 cm.
- Molecular Electronic Devices.* Edited by FORREST L. CARTER. Dekker, 270 Madison Ave., New York, NY 10016. 1982. 386 pp. 17 × 26 cm. Price \$65.00 (20% higher outside the U.S. and Canada).
- Multivariate Data Analysis in Industrial Practice.* By PAUL J. LEWI. Wiley, One Wiley Drive, Somerset, NJ 08873. 1982. 244 pp. 15 × 23 cm. Price \$31.95.
- Narcotic Antagonists: Naltrexone Pharmacology and Sustained-Release Preparations.* NIDA Research Monograph 28. Edited by ROBERT E. WILLETTE and GENE BARNETT. 1981. 276 pp. 15 × 23 cm.
- Neurobiology.* By GORDON M. SHEPHERD. Oxford University Press, 200 Madison Ave., New York, NY 10016. 1983. 611 pp. 17 × 25 cm. Price \$49.50 (clothbound); \$24.95 (paperback).
- New Approaches to Treatment of Chronic Pain: (A Review of Multidisciplinary Pain Clinics and Pain Centers.* Research Monograph Series No. 36, 5/81. National Institute on Drug Abuse, Division of Research, 5600 Fishers Lane, Rockville, MD 20857. 198 pp. 14 × 23 cm.
- Nonionizing Radiation Protection.* Edited by MICHAEL J. SUESS. WHO Regional Office for Europe, Scherfsgsvvej 8, DK-2100, Copenhagen, Denmark. 1982. 267 pp. 16 × 24 cm.
- Nuclear Power: Health Implications of Transuranium Elements.* WHO Regional Publications European Series No. 11. (Report on a Working Group Brussels, 6–9 November 1979). World Health Organization, Regional Office for Europe, Copenhagen, Denmark. 1982.
- Pediatric Nutrition: Infant Feedings—Deficiencies—Diseases.* (Clinical Disorders in Pediatric Nutrition Series, Vol. 2). Edited by FIMA LIFSCHITZ. Dekker, 270 Madison Ave., New York, NY 10016. 1982. 648 pp. 15 × 23 cm. Price \$55.00 (20% higher outside the U.S. and Canada).
- Pesticides. Theory and Application.* By GEORGE W. WARE. W. H. Freeman, 660 Market St., San Francisco, CA 94104. 1982. 308 pp. 21 × 28 cm. Price \$19.95 (paper).
- Pharmacological Basis of Nursing Practice.* By JULIA B. CLARK, SHERRY F. QUEENER, and VIRGINIA BURKE KARB. C. V. Mosby, 11830 Westline Industrial Drive, St. Louis, MO 63141. 1982. 692 pp. 21 × 28 cm. Price \$24.95.
- Pharmacology and Biochemistry of Psychiatric Disorders.* By A. RICHARD GREEN and DAVID W. COSTAIN. Wiley, One Wiley Drive, Somerset, NJ 08873. 1981. 217 pp. 15 × 23 cm.
- Pharmacology of Hydroxyethyl Starch: Use in Therapy and Blood Banking.* By JOHN MILTON MISHLER IV. Oxford University Press, 200 Madison Ave., New York, NY 10016. 1982. 207 pp. 15 × 24 cm. Price \$39.50.
- Pharmacology and Pharmacologists. An International Directory.* Oxford University Press, 200 Madison Ave., New York, NY 10016. 1981. 387 pp. 16 × 25 cm. Price \$110.00.
- Plan of Action for Implementing the Global Strategy for Health for All and Index to the "Health for All" Series No. 1–7.* World Health Organization, 1211 Geneva 27, Switzerland 1982. 55 pp. 18 × 24 cm.
- Presynaptic Receptors: Mechanism and Function.* Edited by J. de BELLEROCHE. Wiley, One Wiley Drive, Somerset, NJ 08873. 1982. 223 pp. 15 × 23 cm. Price \$64.95.
- Principles of Pharmaceutical Marketing. 3rd Ed.* By MICKEY C. SMITH. Lea & Febiger, 600 S. Washington Square, Philadelphia, PA 19106. 1983. 529 pp. 15 × 23 cm. Price \$29.75. (\$37.25 in Canada).
- Psychopharmacology of Affective Disorders.* (A British Association for Psychopharmacology Monograph). Edited by E. S. PAYKEL and A. COPPEN. Oxford University Press, 200 Madison Ave., New York, NY 10016. 1981. 261 pp. 15 × 23 cm. Price \$27.50.

*Psychopharmacology of Old Age*. British Association for Psychopharmacology Monograph No. 3. Edited by DAVID WHEATLEY. Oxford University Press, 200 Madison Ave., New York, NY 10016. 1982. 194 pp. 15 × 23 cm. Price \$29.50.

*Quality Assurance in Nuclear Medicine*. Geneva, World Health Organization. Health & Biomedical Information Programme, World Health Organization, 1211 Geneva 27, Switzerland. 1982. 72 pp. 15 × 24 cm. Price \$11.00. (French edition in preparation.)

*Reactive Intermediates*. Vol. 2. Edited by R. A. ABRAMOVITCH. Plenum, 233 Spring St., New York, NY 10013. 1982. 15 × 23 cm. Price \$59.50.

*Recent Progress on Kinins. Agents and Actions Supplements, Vol. 9. (International Conference "Kinin 81 Munich," Munich, November 2-5, 1981.)* Edited by H. FRITZ, G. DIETZE, F. FIELDER, and G. L. HABERLAND. Birkhäuser Boston, 380 Green St., Cambridge, MA 02139. 1982. 707 pp. 16 × 24 cm. Price \$74.00.

*The Rights of Doctors, Nurses and Allied Health Professionals: A Health Law Primer*. By GEORGE J. ANNAS, LEONARD H. GLANTZ, and BARBARA F. KATZ. An American Civil Liberties Union Handbook. 1981. 382 pp. 10 × 18 cm.

*Selected Petroleum Products: Environmental Health Criteria 20*. World Health Organization. 1211 Geneva 27, Switzerland. 1982. 137 pp. 14 × 21 cm.

*Selective Toxicity. The Physico-Chemical Basis of Therapy. 6th Ed.* By ADRIEN ALBERT. Methuen, 733 Third Ave., New York, NY 10017. 1981. 662 pp. 15 × 23 cm. Price \$39.95.

*Seventh General Programme of Work Covering the Period 1984-1989*. World Health Organization, 1211 Geneva 27, Switzerland. 1982. 153 pp. 18 × 24 cm.

*Single Dose Therapy of Urinary Tract Infection*. By ROSS R. BAILEY. John Wright-PSG, 545 Great Rd., Littleton, MA 01460. 1983. 125 pp. 16 × 24 cm.

*Species-Specific Potential of Invertebrates for Toxicological Research*. By HANS E. KAISER. University Park Press, 233 E. Redwood St., Baltimore, MD 21202. 1980. 223 pp. 21 × 28 cm. Price \$29.50.

*The Tao of Medicine: Ginseng, Oriental Remedies and the Pharmacology of Harmony*. By STEPHEN FULDER. Inner Traditions International Ltd. 377 Park Ave. South, New York, NY 10016. 1982. 328 pp. 13 × 22 cm.

## NEW JOURNALS

*Cancer Investigation*. Edited by YASHAR HIRSHAUT. (Vol. 1, No. 1: 1983—6 issues). Dekker, 270 Madison Ave., New York, NY 10016. 109 pp. 21 × 28 cm. Price \$65.00 (Institutional); \$45.00 (Individual).

*Clinical Research Practices and Drug Regulatory Affairs*. Edited by GARY MORTON MATOREN, et al. (Vol. 1, No. 1: 1983). Dekker, 270 Madison Ave., New York, NY 10016. 107 pp. 18 × 26 cm. Price \$75.00 (Institutional); \$37.50 (Individual).

*International Journal of Quantum Chemistry*. Quantum Biology Symposium No. 9. Proceedings of the International Symposium on Quantum Biology and Quantum Pharmacology held at Palm Coast, Fla. March 4-6, 1982. Editor in Chief: PER-OLOV LÖWDIN. Assistant Editor: JOHN R. SABIN. Wiley, One Wiley Drive, Somerset, NJ 08873. 1982. 630 pp. 15 × 23 cm. Price \$64.95.

*Journal of Toxicology: Toxin Reviews*. Editor W. T. SHIER. (Vol. 1: 1982—2 issues). Dekker, 270 Madison Ave., New York, NY 10016. 203 pp. 15 × 23 cm. \$55.00 (Institutional); \$27.75 (Individual). Add postage (\$4.20, surface; \$5.60, airmail) outside the U.S.