

Such broad coverage leads necessarily to deficiencies in detail, as in the chapter dealing with inhibitors of protein synthesis, but these are balanced by expanded discussions on antibiotics of more current interest. In the chapter dealing with drugs affecting the cytoplasmic membrane, present membrane models are briefly and critically discussed. The surveys noting the influences of antibiotics on membrane structure and on energy-dependent transport processes are stimulatory and cause one to reflect on how similar effects might be involved more generally in drug transport and other types of drug action. Inhibitors of nucleic acid synthesis, particularly those which function by intercalation, are discussed in considerable detail. In view of the diversity of biological effects manifested by intercalating agents such emphasis is understandable, even though the specificity of action of these compounds is more generally attributable to other factors governing drug action such as differential permeability. A discussion of the genetic basis for antibiotic resistance is incorporated into the chapter terminating the overall development to support earlier descriptions of resistance mechanisms.

There is sufficient content to this book for it to be of interest to students and researchers in nearly all areas of the basic health sciences. This reviewer can recommend it highly.

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**Fundamentals of Chemotherapy.** By WILLIAM B. PRATT. Oxford University Press, 200 Madison Ave., New York, NY 10016, 1973. 332 pp. 14 × 20.5 cm. Price \$6.95.

Primarily intended as a textbook, this book's chapters are organized by grouping drugs according to their biochemical site of action. In general, the biochemical process affected by a particular drug is described as is its mechanism of action. Drug resistance and drug interactions are also emphasized. The four major sections are drugs employed in the treatment of bacterial and fungal infection, parasitic disease, viral infection, and neoplastic disease.

Staff Review ■

**Hypersensitivity to Drugs, Volume I. International Encyclopedia of Pharmacology and Therapeutics, Section 75.** Edited by M. SAMTER and C. W. PARKER. Pergamon Press, Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, 1973. xii + 439 pp. 14.5 × 23 cm. Price \$36.00.

It is now recognized that the clinical symptoms which are the result of hypersensitivity to drugs are the final step in a long and often complicated sequence. This volume of the well-regarded *International Encyclopedia of Pharmacology and Therapeutics* series identifies the known conditions which must be met by the drug and by the host before immunological reactions can occur. The wide variety of responses which drugs can induce in organs and systems are covered. Precise definition of the requirements to be met by drug and host will eventually allow prediction of probable hypersensitivity development and will permit the development of measures to prevent it.

Staff Review ■

*Polymerization in Biological Systems.* Ciba Foundation Symposium 7. Associated Scientific Publishers, 52 Vanderbilt Ave., New York, NY 10017, 1972. 314 pp. 17 × 25 cm.

*Physiology, Emotion & Psychosomatic Illness.* Ciba Foundation Symposium 8. Associated Scientific Publishers, 52 Vanderbilt Ave., New York, NY 10017, 1972. 421 pp. 17 × 25 cm.

*Intrauterine Infections.* Ciba Foundation Symposium 10. Associated Scientific Publishers, 52 Vanderbilt Ave., New York, NY 10017, 1973. 219 pp. 17 × 25 cm.

*Actualités Pharmacologiques.* By RENÉ HAZARD. Masson & Cie, Editeurs, 120 Boulevard Saint-Germain, Paris, France, 1972. 268 pp. 16 × 24 cm. Price 105 fr. (French)

*A Depolarization-Hyperpolarization Cycle (A Molecular Model).* By CLARA TORDA. Torda, 101 W. 12th St., New York, NY 10011, 1972. 100 pp. 15.5 × 23.5 cm.

*Contamination in the Manufacture of Pharmaceutical Products.* Proceedings of the Stockholm meeting, April 1972. Secretariat of the European Free Trade Association, Rue de Varembe 9-11-1211, Geneva 20, Switzerland, 1973. 64 pp. 15 × 21 cm.

*The Quality of Pharmaceutical Products: The Role of the Inspector.* Proceedings of a Seminar held at the Ecole nationale de la sante publique, Rennes, France, Sept. 1972. Secretariat of the European Free Trade Association, Rue de Varembe 9-11-1211, Geneva 20, Switzerland, 1973. 131 pp. 15 × 21 cm.

*Protein Turnover.* Ciba Foundation Symposium. Associated Scientific Publishers, 52 Vanderbilt Ave., New York, NY 10017, 1973. 319 pp. 17 × 24.5 cm.

*Enzyme Inhibitors of Microbial Origin.* By HAMAO UMEZAWA. University Park Press, Chamber of Commerce Building, Baltimore, MD 21202, 1972. 114 pp. 15.5 × 23.5 cm. Price \$9.50.

*Agonist and Antagonist Actions of Narcotic Analgesic Drugs.* Edited by H. W. KOSTERLITZ, H. O. J. COLLIER, and J. E. VILLARREAL. University Park Press, Chamber of Commerce Building, Baltimore, MD 21202, 1973. 290 pp. 15.8 × 24 cm. Price \$19.50.

*Advances in Antimicrobial and Antineoplastic Chemotherapy, Volume I/1.* University Park Press, Chamber of Commerce Building, Baltimore, MD 21202, 1972. 677 pp. 17.3 × 24.4 cm. Price \$24.50.

*Advances in Antimicrobial and Antineoplastic Chemotherapy, Volume I/2.* University Park Press, Chamber of Commerce Building, Baltimore, MD 21202, 1972. 772 pp. 17.3 × 24.4 cm. Price \$24.50.

*Advances in Antimicrobial and Antineoplastic Chemotherapy, Volume II.* University Park Press, Chamber of Commerce Building, Baltimore, MD 21202, 1972. 868 pp. 17.4 × 24.4 cm. Price \$29.95.

*Progress in Organic Chemistry, Volume 8.* Edited by W. CARRUTHERS and J. K. SUTHERLAND. Wiley, 605 Third Ave., New York, NY 10016, 1973. 343 pp. 15 × 24 cm. Price \$32.50.

*Smoking Behavior: Motives and Incentives.* Edited by WILLIAM DUNN, JR. V. H. Winston & Sons, Inc., 1511 K St., Washington, DC 20005, 1973. 309 pp. 14.5 × 23 cm. Price \$9.95.

## NEW JOURNALS

*Journal of Pharmacokinetics and Biopharmaceutics.* Plenum, 227 W. 17th St., New York, NY 10011, 1973. 15 × 23 cm. Price \$32.00 (six issues).

*Journal of International Research Communication.* Published by M. C. S. Buckingham. IRCS, University Park Press, Chamber of Commerce Building, Baltimore, MD 21202, 1973. 20.5 × 29.5 cm. Price \$77.00 (monthly).