

Evaluation and Testing of Drugs for Mutagenicity: Principles and Problems. Report of a WHO Scientific Group, No. 482. World Health Organization, Geneva, Switzerland, 1971. Available from American Public Health Association, Inc., 1015 18th St., N.W., Washington, DC 20036. 18 pp. 16 × 24 cm. Price \$0.60.

Widespread concern over the possible mutagenic effects of substances of therapeutic interest prompted the convening of a Scientific Group for the specific purpose of studying this problem.

In this publication, the Group recommends that every drug should be evaluated for possible mutagenic action. Such evaluation is intended to provide an indication of whether or not experimental studies in animals are needed. The report also sets out priorities for testing and reviews the various methods of testing presently available.

Staff Review ■

Advances in Drug Research, Volume 6. Edited by N. J. HARPER and ALMA B. SIMMONDS. Academic, 111 Fifth Ave., New York, NY 10003, 1971. 256 pp. 14.5 × 22.7 cm. Price \$15.00.

Included in this volume are the following chapters: Principles and Practice of Hansch Analysis; A Guide to Structure-Activity Correlation for the Medicinal Chemist; Activities and Sites of Antinociceptive Action of Morphine-like Analgesics; Molecular Aspects of the Storage and Uptake of Catecholamines; and Mass Spectrometry in Drug Research.

Staff Review ■

Fluorocarbon and Related Chemistry, Volume I, A Review of the Literature Published during 1969-1970. By R. E. BANKS and M. G. BARLOW. Chemical Society, Burlington House, London W1V 0BN, England, 1971. viii + 307 pp. 13.5 × 21.5 cm. Price £7.00.

This volume is the first of a series of biennial reviews concerned with the chemistry of organic, organometallic, and organometalloidal compounds of the fluorocarbon class and of their polyfluorinated analogs. The series "Specialist Periodical Reports" is designed to give in-depth coverage over the whole field of chemistry and ultimately will comprise some 40 titles.

Staff Review ■

The Primitive Therapeutic Use of Natural Products: A Bibliography. By W. B. SPINELLI. Duquesne University Library, Pittsburgh, Pa., 1971. 106 pp. 21 × 28 cm.

Nearly 1500 references are included in this bibliography. The purpose of this collection was to present an alphabetical list, by author, of as many references from the literatures of all times and nations that could be identified as dealing with the prescientific use of natural products in the treatment of disease and the alleviation of pain. A subject index is also included.

Staff Review ■

Luminescence Spectrometry in Analytical Chemistry. By JAMES D. WINEFORDNER, STEPHEN G. SCHULMAN, and THOMAS C. O'HAYER. Wiley, 605 Third Ave., New York, NY 10016, 1972. xii + 354 pp. 15 × 22.7 cm. Price \$19.95.

Volume 38 in the Chemical Analysis series is a unique book on luminescence spectrometry which covers both atomic fluorescence and molecular luminescence spectrometric methods, and a general approach to radiance expressions for both atoms and molecules. Included are extensive listings of the concentrational and absolute limits of detection of atoms that fluoresce in the vapor state and also the organic and inorganic species which luminesce in the condensed phase state. Three independent chapters (excluding the introduction) discuss theory, instrumentation and methodology, and general analytical use of luminescence spectrometry; seven appendixes present specialized topics such as photon counting, IR detectors, and multiplex spectrometry. The book is designed to be useful to those who use luminescence spectrometric methods to determine rate constants, collisional cross sections, and other more fundamental parameters. No discussion of specific applications of the techniques of luminescence spectrometry have been included because a subsequent volume in the series has been planned.

Staff Review ■

Drug Abuse in Today's Society (Proceedings of the Fifteenth Annual Ohio Pharmaceutical Seminar). Edited by ARTHUR TYE, WILLIAM M. DICKSON, and ROBERT A. BUERKI. Office of Public Relations, Ohio State University College of Pharmacy, 500 W. Twelfth Ave., Columbus, OH 43210, 1970. x + 213 pp. 15 × 23 cm. Price \$4.50.

This book presents the proceedings of a four-day seminar on drug abuse held at Ohio State University in March 1970. Various aspects of the social, legal, psychological, and medical aspects of drug abuse are covered.

Staff Review ■