

studies through reference to monographs, other texts and journal publications."

His text touches on many areas of pharmaceuticals: small scale manufacturing, preparation of medicinals official in the Scandinavian countries and, in certain instances, rationale of dosage form.

Professor Sandell has had various levels of success in covering a wide range of topics; some, in a manner not usual, but in a way which would be welcomed, in the typical "American" text. However, the treatment of theory and certain topics is somewhat abbreviated and the approach to some of the topics is at an intermediate rather than at a basic level. It seems that the author, in his attempt to cover a wide range of topics, has included, for example, areas such as *Honeys* and *Lamillae* and has given only a cursory treatment of *Isotonicity* and *Hydrogen Ion Concentration*. On the other hand there is a short, but welcomed, discussion of *Jet Injection*.

Almost every section has some references which may as intended, direct the reader to a more specialized study of the topic being considered. However, students in the United States would find it difficult to abstract the many foreign language publications that are cited.

Generally speaking, the choice of topics and their sequence of presentation is logical. What is disturbing in a basic text is to find different levels of treatment of the material. It may be, as Professor Sandell states that, "this text-book is . . . typically Scandinavian . . .," i.e., geared to their educational systems.

Although this reviewer cannot recommend *Pharmaceutics—Galenical Pharmacy* as a text for undergraduates in this country, there is merit in the author's approach to several topics.

Reviewed by L. A. Luzzi
School of Pharmacy
University of Georgia
Athens, GA 30601 ■

An Introduction to Chromatography on Impregnated Glass Fiber. By FREDERICK C. HAER. Ann Arbor Science Publishers, Inc., Box 1425, Ann Arbor, MI 48106, 1969. xiv + 173 pp. 15 × 23 cm. Price \$2.50.

The author describes the nature and application of a variation of thin-layer chromatography known commercially as "instant TLC." This rapid method has attracted minor usage, but is growing due to the present availability of several forms of impregnated adsorbents.

The information is set out in eleven short chapters. Theory, general techniques, equipment, and history are described in the first four chapters. Individual chapters are devoted to major chemical groupings of lipids, amino acids, steroids, sugars, and nucleic acids. A separate chapter treats toxicological problems. Each chapter includes complete procedures for sample handling, isolation, and purification prior to chromatography. General and theoretical aspects are handled clearly and are supported by illustrations that are well chosen and executed. Drugs are not treated extensively, and pharmaceuticals not at all. The reference value of this book is limited largely to biochemistry, although other applications have been published.

This book is a handy laboratory manual and should be available in any laboratory using instant TLC. It supplements the well-known texts on TLC and paper chromatography. It is written clearly and illustrated well, and it has adequate indexing and referencing.

Reviewed by Lee T. Grady
Drug Standards Laboratory
American Pharmaceutical Association Foundation
2215 Constitution Ave., N.W.
Washington, DC 20037 ■

Proceedings of the Institute on Drug Literature Evaluation. Conducted by the American Society of Hospital Pharmacists. American Society of Hospital Pharmacists, 4630 Montgomery Ave., Washington, DC 20014, 1969. x + 192 pp. 21.3 × 27.7 cm. Price \$7.00.

The hospital pharmacist, as a drug information specialist, confronts the problem of locating sources of good clinical information on drugs and then interpreting and evaluating this information.

As stated in the Preface, the American Society of Hospital Pharmacists conducted the Institute on Drug Literature Evaluation in

March 1968, to offer presentations and a forum for discussion of topics designed to assist interested hospital pharmacists in becoming more proficient in the evaluation, understanding, and use of the clinical drug literature.

Seventeen presentations of the Institute are given in this book, covering various topics of clinical pharmacy and literature evaluation.

Staff Review ■

NOTICES

Subsidia Pharmaceutica 1968. Edited by Laboratory of the Swiss Pharmaceutical Society. Swiss Pharmaceutical Society, Markt-gasse 52, 3011 Bern, Switzerland, 1968. 253 pp. 17.4 × 25 cm. Price Sw. fr. 75.—plus postage.

WHO Expert Committee on Specifications for Pharmaceutical Preparations: Twenty-second Report. World Health Organization Technical Report Series, No. 418. World Health Organization, 1211 Geneva 27, Switzerland, 1969. 29 pp. 16 × 24 cm. Price 6/-. \$1.00, Sw. fr. 3.—.

A Comprehensive Guide to the English-Language Literature on Cannabis. By JAMES R. GAMAGE and EDMUND L. ZERKIN. Stash Press, The Student Association for the Study of Hallucinogens, Inc., 638 Pleasant St., Beloit, WI 53511, 1969. xi + 265 pp. 22 × 30 cm. Price \$5.95.

Addendum 1969 to the British Pharmacopoeia 1968. By General Medical Council. The Pharmaceutical Press, 17 Bloomsbury Square, London, W.C.1, England, 1969. xx + 100 pp. 14 × 22 cm. Price £3 5s.

Deutsches Arzneibuch 7. Ausg. 1968 Kommentar. By H. BOHME and K. HARTKE. Wissenschaftliche Verlagsgesellschaft MBH Stuttgart 1, Postfach 40, Birkenwaldstrabe 44, 1969. xvi + 1619 pp. 17.2 × 24.4 cm. Price DM 196,-.

The Biochemistry of Folic Acid and Related Pteridines. By R. L. BLAKLEY. North Holland Import, Wiley, 605 Third Ave., New York, NY 10016, 1969. xxi + 569 pp. 17.3 × 24.7 cm. Price \$29.00.

Welfare Medical Care: An Experiment. By CHARLES H. GOODRICH, M. C. OLENDZKI, and G. G. READER. Harvard University Press, Cambridge, Mass., 1970. viii + 343 pp. 16.5 × 24 cm. Price \$7.00.

Genetics of Antibiotic-producing Microorganisms. By G. SERMONTI. Wiley, 605 Third Ave., New York, NY 10016, 1969. xiii + 389 pp. 15.5 × 23.5 cm. Price \$18.00.

Practical Optical Crystallography, 2nd Edition. By N. H. HARTSHORNE and A. STUART. American Elsevier Publishing Co., Inc., 52 Vanderbilt Ave., New York, NY 10017, 1970. ix + 326 pp. 14 × 22 cm. Price \$11.50 [First edition reviewed in *J. Pharm. Sci.*, **54**, 166(1965)].

Medicaments Organiques De Synthese II. By LEON VELLUZ. Masson et C^{ie}, Editeurs, 120 Boulevard Saint-Germain, Paris, France, 1970. iii + 236 pp. 15 × 23 cm. Price 80 fr.

Encyclopedia of Industrial Chemical Analysis. Vol 8. By FOSTER DEE SNELL and LESLIE S. ETTRE. Wiley, 605 Third Ave., New York, NY 10016, 1969. xvi + 737 pp. 18.5 × 26 cm. Price \$35.00, Subscription; \$45.00, Single Copy.

Pharmaceutical Abstracts. Vol. IX, No. 4, Vol. X, No. 1 & 2, and Vol. X, No. 3. Edited by HENRY M. BURLAGE. College of Pharmacy, The University of Texas, Austin, TX 78712, 1968. 21.7 × 27.5 cm. Price \$6.00, \$5.80, and \$4.50, respectively. Paperbound.

Verstandliche Wissenschaft, Band 99. By H. WAGNER and RAUSCHGIFT-DROGEN. Springer-Verlag, 1 Berlin 33, 1969. vii + 141 pp. 11.5 × 18.5 cm. Price \$2.20.

Clinical Pharmacology (Dilling). By STANLEY ALSTEAD, J. GORDON MACARTHUR, and THOMAS J. THOMSON. Bailliere Tindall & Cassell, 7-8 Henrietta St., London, W.C. 2, England, 1969. xii + 760 pp. 12.5 × 19 cm. Price \$7.25.

Bacterial Episomes and Plasmids. Edited by G. E. W. WOLSTENHOLME and MAEVE O'CONNOR. Little, Brown and Co., 34 Beacon St., Boston, MA 02106, 1969. xi + 268 pp. 15.5 × 23.5 cm. Price \$12.50.