

the analysis of variance. Heavy emphasis is given to nonparametric procedures.

The "Black Magic Assay of Purity in Heart" used to illustrate binomial sampling is an example of whimsical but effective treatment of a number of topics. The most valuable part of the book, from the standpoint of biomedical research, is the three chapters bringing together the relationship between two variables and correlation, as well as assays and calibration curves. Illustrations of the individual effective dose, direct assays, all-or-none responses, and the probit transformation conclude the book.

The two appendixes develop more rigorously some of the mathematical concepts outlined in earlier chapters. An example of this is a "stochastic view of the adsorption of molecules from solution."

A unique feature of the book is the extensive cross-referencing to related topics in other parts of the book which is very good even if it may sometimes interfere with the reader's train of thought. The text is remarkably free from typographical errors. While this reviewer did not check out all of the computation in the numerous examples, it does seem to be in order.

With the increasing emphasis on bioavailability studies found today, this book is certainly to be recommended to students in biology, pharmacy, and medicine as an introduction to the correct application of statistical concepts and techniques to their chosen field of effort.

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**Ups and Downs, Drugging and Duping.** By J. RICE, M.D. Macmillan, 866 Third Ave., New York, NY 10022, 1972. 214 pp. 13.5 × 21 cm. Price \$5.95.

As another book on drug abuse, this publication has more to commend it to the lay reader than many others. It is readable; reasonably comprehensive, covering not only commonly abused drugs but also over-the-counter products, alcohol, and nicotine; and well documented. This book is not intended for the technical reader; however, it does present good and understandable summaries of research efforts in certain areas.

Staff Review ■

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**Opiates and Their Alternates for Pain and Cough Relief. Report of a WHO Scientific Group. World Health Organization Technical Report Series.** World Health Organization, Geneva, Switzerland (available from American Public Health Association, Inc., 1015 18th St., NW, Washington, DC 20036), 1972. 30 pp. 16 × 24 cm. Price \$0.75.

This report considers marketed drugs that have already been evaluated objectively by controlled clinical trials and subjected to clinical scrutiny. Effectiveness for relief of mild-to-severe pain uses

morphine as the reference; cough relief effectiveness is related to codeine. Psychic or physical dependence and tolerance capacities are discussed.

Staff Review ■

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**Chemist and Druggist Directory 1972 and Tablet & Capsule Identification Guide.** Benn Brothers Limited, Bouverie House, 154 Fleet Street, London, EC4 2DL, England, 1972. 332 pp. 20.5 × 28 cm. Price \$6.00.

This publication is a useful reference for information on British drug products and related pharmaceutical organizations, facilities, laws, services, and miscellaneous information. It is thumb-tabbed into 10 sections to facilitate use.

Staff Review ■

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## NOTICES

**Respiratory Tract Fluid.** By ELDON M. BOYD. Charles C Thomas, 301-327 East Lawrence Ave., Springfield, IL 62703, 1972. 321 pp. 14.5 × 23 cm. Price \$11.00.

**Marine Chemistry, Volume I—Analytical Methods.** By DEAN F. MARTIN. Dekker, Inc., 95 Madison Ave., New York, NY 10016, 1972. 389 pp. 15 × 23 cm. Price \$9.50.

**Étude Analytique de Dérivés Fluorés, Applications à L'Analyse Pharmaceutique.** By M. HANOCQ. Editions Arscia S. A., Rue de l'Étue 60, 1000 Bruxelles, 1972. 241 pp. 16 × 24 cm. Price 490 fr. (French)

**Meningeal Leukemia.** By L. E. BRODER and S. K. CARTER. Plenum, 227 W. 17th St., New York, NY 10011, 1972. 132 pp. 16 × 25 cm. Price \$14.50.

**Pharmacology and Toxicology of Naturally-Occurring Toxins, Section 71, Volume II, International Encyclopedia of Pharmacology and Therapeutics.** Edited by HELENA RASKOVA. Sponsored by the International Union of Pharmacology. Pergamon Press, Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, 1972. 299 pp. 15 × 23 cm. Price \$21.00.

**Synthetic Methods of Organic Chemistry, Vol. 26, Yearbook 1972.** Edited by WILLIAM THEILHEIMER. Available from U.S. representative of S. Karger, P. O. Box 352, White Plains, NY 10602, 1972. xvi + 576 pp. 15 × 23 cm. Price \$79.80.

**Lipids, Malnutrition and the Developing Brain.** A Ciba Foundation Symposium. American Elsevier, Inc., 52 Vanderbilt Ave., New York, NY 10017, 1972. 326 pp. 16 × 24 cm.

**Peptide Transport in Bacteria and Mammalian Gut.** A Ciba Foundation Symposium. American Elsevier, Inc., 52 Vanderbilt Ave., New York, NY 10017, 1972. 161 pp. 16 × 24 cm.