

**Quantitative Paper and Thin-Layer Chromatography.** Edited by E. J. SHELLARD. Academic Press, Ltd., Berkeley Square House, Berkeley Square, London, W.1. U. S. Academic Press, Inc., 111 Fifth Avenue, New York, New York 10003. ix + 140 pp. 16 × 24 cm. Price 425 6d.

This small volume is a collection of eleven contributions made at a symposium held in 1968 at the Chelsea College of Science and Technology, dealing with the problems associated with quantitative paper and thin-layer chromatography. The topics covered included the techniques of application of spots to the chromatogram, the removal of material from the developed chromatogram for purposes of quantitation, and the quantitation of the separated spots *in situ* by visual assessment, densitometry, fluorimetry, and radioactive scanning. Perhaps an undue proportion of the book deals with the latter topic; three chapters, comprising 27 of the volume's 133 pages of text, are devoted to this technique.

As is common with papers intended for oral presentation, there is a tendency to emphasize the personal experiences of the author rather than provide complete coverage of a topic. Thus, in a discussion of the accuracy and precision of the application of materials to the chromatogram using various micropipets and syringes, the author's data demonstrate the superiority of a microsyringe of his own design; but his brief description of the device is not adequate to provide for its fabrication, and he does not indicate whether a complete description has been published. The chapters dealing with densitometry and fluorimetry refer almost exclusively to the particular instrument which the authors use in their own laboratories, rather than comparing the merits of the various instruments.

Of particular value to the pharmaceutical analyst is the chapter "Visual Assessment of Thin-Layer Chromatograms" by C. A. Johnson, Scientific Director of the British Pharmacopoeia Commission. Its coverage of the problems associated with the chromatographic limits tests for minor components in official drugs might well be incorporated in the General Information sections of the NF and the USP as a guide to those who apply these tests. This chapter, together with those dealing with the problems of sample application and of elution techniques, makes the volume valuable particularly to a potential practitioner of quantitative chromatography in alerting him to the problems he may encounter and the precautions he must observe to avoid them, prior to initiation of actual application of the technique.

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## NOTICES

*Actualites Pharmacologiques.* By RENE HAZARD. Masson & C<sup>ie</sup>, Editeurs, 120, Boulevard Saint-Germain, Paris-VI<sup>e</sup>, France, 1968. 233 pp. 16 × 24 cm. Price 72 F.

*Problemes Actuels De Biochimie Appliquee-2<sup>e</sup> Serie.* Edited by MAURICE-LOUIS GIRARD. Masson & C<sup>ie</sup>, Editeurs, 120, Boulevard Saint-Germain, Paris VI<sup>e</sup>, France, 1968. 300 pp. 16.1 × 23.8 cm. Price 90 F.

*Precis De Botanique.* By P. CRETE and J. L. GUIGNARD. Tome I, 2nd Edition. Masson & C<sup>ie</sup>, Editeurs, 120, Boul. Saint-Germain, Paris-VI<sup>e</sup>, France, 1968. 358 pp. 16.5 × 21.5 cm. Price 40 F.

*Botanique Generale.* By WILHELM NULTSCH. Masson & C<sup>ie</sup>, Editeurs, 120, Boul. Saint-Germain, Paris (6<sup>e</sup>), France, 1969. 380 pp. 13.4 × 21 cm. Price 28 F.

*Molecular Photochemistry.* Vol. 1, No. 1. Edited by A. A. LAMOLA. Marcel Dekker, Inc., 95 Madison Ave., New York, NY 10016, 1969. 157 pp. 15.2 × 22.9 cm. Price \$35.00

*Gonadotropins 1968.* Edited by EUGENIA ROSENBERG. Geron-X, Inc., Box 1108, Los Altos, Calif., 1968. xviii + 559 pp. 17 × 22.3 cm. Price \$12.00.

*A Short History of Psychiatry.* By ERWIN H. ACKERKNECHT. Hafner Publishing Co., 31 East 10th St., New York, NY 10003, 1968. xii + 109 pp. 13.9 × 20.9 cm. Price \$4.25.

*Sterilisation Desinfektion und Entwesung.* By JOACHIM SCHMIDT, GUNTER NAUMANN, and WOLFGANG HORSCH. VEB Georg Thieme, 69 Jena, Villengang 2, Berlin, West Germany, 1968. xx + 574 pp. 17 × 24.5 cm. Price \$45.40.

*Pictorial History of Psychology and Psychiatry.* By A. A. ROBACK and THOMAS KIERNAN. Philosophical Library, Inc., 15 East 40 St., New York, NY 10016, 1969. 294 pp. 22 × 28.2 cm. Price \$12.50.

*Principles of Radiological Health.* By EARNEST F. GLOYNA and JOE O. LEDBETTER. Marcel Dekker, Inc., 95 Madison Ave., New York, NY 10016, 1969. xviii + 473 cm. Price \$14.50.

*Grundlagen der allgemeinen Pharmakologie.* By WERNER SCHELER. Veb Gustav Fischer Verlag Jena, Postanschrift: Veb Gustav Fischer Verlag, DDR-Jena, Villengang 2/PostschlieBfach 176, Germany, 1969. 561 pp. 17.5 × 24.5 cm. Price 75,-.

*Teaching Without Grades.* By MAX S. MARSHALL. The Oregon State University Press, 101 Waldo Hall, Corvallis, OR 97330, 1968. xii + 144 pp. 14.5 × 22.5 cm. Price \$4.00.

*WHO Expert Committee on Drug Dependence.* Sixteenth Report, WHO Technical Report Series, 1969, No. 407, World Health Organization, Geneva, Switzerland, 1969. 28 pp. 16 × 24 cm. Price \$0.60.

*The Biosynthesis of Deoxyribose.* By P. REICHARD. John Wiley & Sons, Inc., 605 Third Ave., New York, NY 10016, 1968. viii + 77 pp. 13 × 19 cm. Price \$7.95.

*Synthetic Procedures in Nucleic Acid Chemistry.* Vol. 1. Edited by W. WERNER ZORBACH and R. STUART TIPSON. John Wiley & Sons, Inc., 605 Third Ave., New York, NY 10016, 1968. vi + 570 pp. 15.5 × 23.5 cm. Price \$16.95.

*Hematologic Reviews.* Vol. 1. Edited by JULIAN L. AMBRUS. Marcel Dekker, Inc., 95 Madison Ave., New York, NY 10016, 1968. xi + 286 pp. 15.5 × 23.5 cm. Price \$16.75.

*Bibliography of Pharmaceutical Reference Literature.* Edited by MAGDA PASZTOR and JENNY HOPKINS. The Pharmaceutical Press, 17 Bloomsbury Square, London, W. C. 1, England, 1968. viii + 167 pp. 14 × 21.5 cm, Price 25s.

*BBL Manual of Products and Laboratory Procedures.* 5th Edition. Edited by PAUL A. ROHDE. BBL, Div. of BioQuest, Div. of Becton, Dickinson & Co., Cockeysville, MD 21030, 1968. viii + 211 pp. 21.5 × 27.8 cm. No charge.

*Les Methodes Analytiques Dans Les Recherches Sur Le Metabolisme Des Medicaments.* By JEAN HIRTZ. Masson & C<sup>ie</sup>, Editeurs, 120, Boul. Saint-Germain, Paris (VI<sup>e</sup>), France, 1969. 364 pp. 16.2 × 24.2 cm. Price 98 F.

*Bacteriology Primer in Air Contamination Control.* By V. VICTOR KINGSLEY. University of Toronto Press, Toronto 5, Ontario, Canada, 1967. vii + 37 pp. 17.25 × 24.75 cm. Price \$2.50. Paperbound.

*Anatomisch-mikrochemische Drogenanalyse: Ein Leitfaden.* By DIETRICH FROHNE. George Thieme Verlag, 7 Stuttgart 1, P. O. Box 732, Herdweg 63, West Germany, 1969. vi + 106 pp. 12.1 × 19 cm. Price DM 6.80.

*Pharmacology Applied to Patient Care.* Third Edition. By LUCY F. HOBLITZELLE and CHARLES L. WINEK. F. A. Davis Co., 1914 Cherry St., Philadelphia, PA 19103, 1969. x + 250 pp. 21.5 × 27.8 cm. Price \$4.25. Paperbound.