

REVIEWS

Powdered Vegetable Drugs. By BETTY P. JACKSON and DEREK W. SNOWDON. American Elsevier Publishing Co. Inc., 52 Vanderbilt Ave, New York, NY 10017. Printed in Great Britain at the Pitman Press, Bath and published in London by J. & A. Churchill Ltd., 1968. viii + 203 pp. 20 × 28 cm. Price: \$11.50

This atlas of microscopy for use in the identification and authentication of some plant materials employed as medicinal agents contains 99 full-page plates of detailed drawings based on the microscopic examination of different powdered drugs. It was produced by the authors to update and succeed Greenish and Collins' "Anatomical Atlas of Vegetable Powders" (1904) which has long since been out of print. Although other atlases are available, e.g., a Polish one by Jakub Deryng (1961) and a German one entitled, "Pulver-Atlas der Drogen des Deutsches Arzneibuches" by Walter Eschrich (1966), the author felt that these were based on different materia medica and had limited applications outside their country of origin.

This atlas has been prepared primarily for use by practicing analysts, pharmacognosists, or pharmacy students who have need to authenticate powdered drug materials using a microscope. An attempt has been made to delineate close to 100 different powdered drugs still in common use today, particularly throughout Europe.

The atlas follows broadly the system of Greenish and Collins where materials are arranged in morphological groups (e.g., starches, wood, barks and galls, leaves and herbs, flowers, seeds, rhizomes, and roots) and are alphabetically listed within these categories.

The drawings are excellent and were prepared using a 500 × magnification and a camera lucida observing No. 60 grade powders. Each plate of drawings is faced with a detailed account of the prominent characteristic powder fragments and all identifiable material is number keyed and labeled.

Although atlases of this type are not in great vogue and have limited value in the United States today, the text nevertheless will serve as another valuable reference source beside others which are no longer in print or difficult to obtain. Certainly any pharmacognosist or other analysts who have occasion to identify powdered drugs for commercial concerns or even to identify powdered samples of *Cannabis sativa* for forensic analysis would welcome this volume to their library. In addition, it will doubtless serve as an adjunct in teaching undergraduate pharmacognosy where references and use of powdered drug descriptions are alluded to in lectures or given in laboratories.

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NOTICES

Medical, Dental and Pharmaceutical Auxiliaries: A survey of existing legislation. Offprint from Vol. 19, No. 1 of the International Digest of Health Legislation: World Health Organization, Geneva, Switzerland, 1968. 143 pp. 16 × 24 cm. Price 16/-; \$2.75; Sw. fr. 8.-.

Grundlagen der Pharmakokinetik. By F. H. DOST. Georg Thieme Verlag Stuttgart, 7000 Stuttgart 1, Postfach 732, Herdweg 63, Germany, 1968. xix + 449 pp.

Methoden und Ergebnisse der Pharmakologie und Toxikologie. Verhandlungen der Deutschen Gesellschaft für experimentelle Medizin, Band 19. 8. Tagung der Pharmakologischen Gesellschaft der Deutschen Demokratischen Republik vom 24. bis 27. October 1966 in Leipzig. Edited by Prof. Dr. K. LOHMANN. Veb Verlag Volk und Gesundheit Berlin, Abt. 2, Postfach 176, Berlin, 1968. 567 pp. 15.5 × 22.5 cm. Price MDM 50.30.

The Formation of Urine by the Kidney. By FILIMON J. UKRADYHA. Ukrainian Technical-Economic Institute, "Logos" GmbH, Buchdruckerei u. Verlag, München 19, Bothmestr. 14, Munich, Germany, 1968. 333 pp. 17 × 24 cm.

Biologische Prüfung und Leistungskriterien der Sterilisation. Edited by FRIEDRICH WILHELM BREKENFELD and THEODOR KIMA. Ver. Verlag Volk und Gesundheit, Absatzabteilung, 69 Jena, Villengang 2, Postschließfach 176, Berlin, 1968. 94 pp. 14.5 × 21.5 cm. Price MDM 11.50.

The Mentally Abnormal Offender. A Ciba Foundation Symposium. Edited by A. V. S. DE REUCK and RUTH PORTER. Little, Brown and Co., 34 Beacon Street, Boston, MA 02106, 1968. xii + 260 pp. 16 × 23.5 cm. Price \$10.00.

Hearing Mechanisms in Vertebrates. A Ciba Foundation Symposium. Edited by A. V. S. DE REUCK and JULIE KNIGHT. Little, Brown, and Co., 34 Beacon Street, Boston, MA 02106, 1968. xi + 320 pp. 15.5 × 23.5 cm. Price \$12.00.

Chemical Instrumentation. Vol. 1; No. 1. A New Journal of experimental techniques in Chemistry and Biochemistry. Edited by CLEMENS AUERBACH. Marcel Dekker, Inc., 95 Madison Avenue, New York, NY 10016, 1968. 136 pp. 15.3 × 23 cm. Subscription Price \$35.00.

Cystic Fibrosis. Ciba Foundation, Study Group No. 32. Edited by RUTH PORTER and MAEVE O'CONNOR. Little, Brown and Company, 34 Beacon Street, Boston, MA 02106, 1968. vii + 150 pp. 13 × 19 cm. Price \$13.95.

The Bond to Carbon. (Organometallic Compounds of the Group IV Elements, Vol. 1, Pt. II). Edited by ALAN G. MACDIARMID. Marcel Dekker, Inc., 95 Madison Avenue, New York, NY 10016, 1968. xiii + 261 pp. 24 × 16 cm. Price \$17.75.

Deutsches Arzneibuch (DAB 7) Ausgabe 1968. By AMTICHE AUSGABE. Deutscher Apotheker-Verlag, 7000 Stuttgart 1, P. O. Box 40, Germany, 1968. xi + 1048 pp. 17 × 24.5 cm. Price DM 82.-.

Prostaglandin Symposium of the Worcester Foundation for Experimental Biology. Edited by PETER W. RAMWELL and JANE E. SHAW. John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10016, 1968. xxiv + 402 pp. 15.5 × 23.7 cm. Price \$15.00.

Methods of Biochemical Analysis. Vol. 16. Edited by DAVID GLICK. John Wiley & Sons, Inc., 605 Third Avenue, New York, NY 10016, 1968. vii + 446 pp. 15.5 × 23.5 cm. Price \$16.50.

Hospital Today. Bibliographic Retrospective L'Hopital D'Aujourd'hui. 1955-1966. 4237 rue Bordeaux, Montreal 34, P.Q., Canada. Price \$5.00 paperbound.