

patients and for in-patients. Besides those to whom it is primarily addressed the book should interest all part-time industrial medical officers, and for that matter general practitioners as well. It gives a good picture of the problems of the working environment, an understanding of which never comes amiss in the assessment of a patient's condition.

The author has paid particular attention to the legal aspects of occupational health, and it is useful to have all the essentials of the numerous statutes and regulations set out simply in one book. Information on chemical accidents is thorough, and the section on occupational dermatitis is good. A chapter on the future makes valuable suggestions for planning a commendable occupational health scheme for hospital personnel. The need for supervision of the hygiene of kitchens and of food handlers is also noted. Only three misprints were spotted, and there is little else to criticize. But bismuth mixture is recommended for indigestion; did not the Committee on Essential Drugs during the war put paid to that one?

Miss Pemberton has obviously gained her experience under most favourable auspices, and has put it to good use.

W. P. KENNEDY.

## Nutrition and Diet

**World Review of Nutrition and Dietetics.** Vol. 5. Edited by Geoffrey H. Bourne. (Pp. 381+x; illustrated. £5 15s.) London: Pitman. 1965.

The latest addition to this interesting series upholds the high standard set by earlier volumes, and exceeds any of them in length by more than 100 pages. As before, the designation "world" is used in the sense that

the various authors live in widely scattered places. Thus, four contributions have come from the U.S.A., three from Britain, and one each from Australia and India. A broad range of interests is covered, but no attempt is made to give a world-wide survey of all the advances made in relevant fields since the publication of the preceding volume. The editor has, for example, included two reviews on various aspects of vitamin-A metabolism, but research on most other vitamins receives little attention.

The coupling of dietetics with nutrition in the title of the series, which seemed uncalled for in at least one of the earlier volumes, is justified in the present volume by the inclusion of two reviews on dietetics. E. Neige Todhunter (U.S.A.), writing on "Some Aspects of the History of Dietetics," asks herself the question "How does nutrition differ from dietetics?" In reply she accepts the ruling of Mary Swartz Rose that "Nutrition deals with the scientific laws governing the requirements of human beings for maintenance, growth, activity, reproduction, and lactation; dietetics with their practical application to individuals or groups in health and also in sickness." Todhunter's erudite contribution delves into the distant past, and lists the rations approved by the Governors of St. Bartholomew's Hospital, London, in the seventeenth century. Doris Johnson (U.S.A.), dealing with "Present Concepts of Diet Therapy," pays special attention to dietary changes which are recommended for patients with various diseases. She also provides a wealth of information about the "exchange values" between various foods, such as the amounts of fruit which will all provide the same amount of carbohydrate. A table is included which summarizes the opinions of 108 American doctors on the flatulence-producing properties of vegetables, with cabbage,

sauerkraut, and baked beans topping the poll with 87, 85, and 82 votes respectively, and beets last with 0 votes.

Reviews by Adelia M. Beeuwkes (U.S.A.) on "Nutrition Education" and by J. C. McKenzie and Pamela Mumford (U.K.) on "The Evaluation of Nutrition Education Programmes" will interest dietitians no less than nutritionists. A most important topic is lucidly discussed by E. G. Holmes (Australia) in "An Appraisal of the Evidence upon which Recently Recommended Protein Allowances have been Based." E. C. Owen (U.K.) supplies 66 interesting pages, including about 350 references, on "Some Aspects of the Metabolism of Vitamin A and Carotene"; about half this space is devoted to the absorption, mobilization, and transfer of carotenoids and vitamin A in lactation.

A subject which has recently attracted considerable attention among nutritionists, the "Influence of Proteins on Absorption and Metabolism of Vitamin A," is admirably reviewed by S. Mahadevan, P. Malathi, and J. Ganguly (India). "Bone Pathology in Experimental Malnutrition" is described and discussed comprehensively by R. J. C. Stewart (U.K.), and about 400 references are given. Finally H. E. Ganther (U.S.A.) reviews "The Fate of Selenium in Animals." He deals both with the toxic effects of excess of selenium, as seen in farm animals grazing in areas rich in this element, and with its recently discovered beneficial effects as an essential trace element. Interesting points which he mentions are the accumulation of selenium in the body proteins, and the beneficial action of arsenic in counteracting selenium poisoning.

The book maintains its usual excellence in printing and format, and concludes with a subject index covering all nine of its sections.

T. MOORE.

## Books Received

*Review is not precluded by notice here of books recently received.*

**System of Ophthalmology.** Volume 8. Diseases of the Outer Eye. Parts 1 and 2. Edited by Sir Stewart Duke-Elder, G.C.V.O., M.A., LL.D., Ph.D., D.Sc., M.D., F.R.C.S., F.R.C.S.(Edin.), F.A.C.S., F.R.A.C.S., F.R.C.P., F.R.S. (Pp. 598+xxxii and 599-1,242+xxxii; illustrated. £15 per set of 2.) London: Henry Kimpton. 1965.

**Nurse and Patient.** The Influence of Human Relationships. By Genevieve Burton. (Pp. 220+xi. 21s.) London: Tavistock. 1965.

**Medical Radioisotope Scanning.** Proceedings of Symposium. Athens, 1964. International Atomic Energy Agency. (Vol. 1: pp. 557; illustrated. £3 9s.) (Vol. 2: pp. 469; illustrated. £2 17s.) Vienna: International Atomic Energy Agency. London: H.M.S.O. 1965.

**First Aid. Diagnosis and Management.** 6th edition. By Warren H. Cole, and Charles B. Puestow. (Pp. 445+xiv; illustrated. \$6.95.) New York: Appleton-Century-Crofts. 1965.

**Annual Review of Pharmacology.** Volume 5. Edited by Windsor C. Cutting. (Pp. 544+vii. \$9.) Palo Alto, California: Annual Reviews. 1965.

**How to Exercise Without Moving a Muscle.** Isometrics for Everyone. By Victor Obeck. (Pp. 96; illustrated. 12s. 6d.) London: Thomas Nelson. 1965.

**Teratology. Principles and Techniques.** Edited by James G. Wilson, and Josef Warkany. (Pp. 277+viii; illustrated. 41s.) London: University of Chicago Press. 1965.

**Autogenic Training.** Correlationes Psychosomaticae. International Edition. Edited by Wolfgang Luthe, M.D. (Pp. 327+xii. \$14.50.) New York and London: Grune & Stratton. 1965.

**Das Bronchitische Syndrom.** By Otto-Peter Schmidt, Walther Günthner, and Hans Botke. (Pp. 334+x; illustrated. DM. 28.) Munich: J. F. Lehmanns. 1965.

**Problems of Physiology and Pathology of Digestion and Metabolism.** Works of the Pavlov Institute of Physiology. Volume IX. Translated from Russian. Edited by K. M. Bykov. (Pp. 991; illustrated. £6 6s.) London: Oldbourne. 1965.

**Psychiatric Illness.** Diagnosis and Management for General Practitioners and Students. By H. Mersky, M.A., D.M., D.P.M., and W. Lawton Tonge, M.D., D.P.M. Foreword by E. Stengel, M.D.(Vienna), F.R.C.P. (Pp. 253+xii. 27s.) London: Baillière, Tindall and Cox. 1965.

**Progress in Clinical Rheumatology.** Edited by Allan St. J. Dixon, M.D., M.R.C.P. (Pp. 372+x; illustrated. 72s.) London: Churchill. 1965.

**Proceedings of the Sixth International Congresses on Tropical Medicine and Malaria.** Lisbon, 1958. In 7 volumes. (No price given.) Lisbon: Instituto de Medicina Tropical.

**Sexual Response in Women.** By Drs. Phyllis and Eberhard Kronhaus. Foreword by Simone de Beauvoir. (Pp. 212. 35s.) London: John Calder. 1965.

**Drug Dosage in Laboratory Animals.** A Handbook. By C. D. Barnes and L. G. Eltherington. (Pp. 302. 64s.) Berkeley and Los Angeles: University of California Press. London: Cambridge University Press. 1965.

**Proceedings of the Leeds Symposium on Behavioural Disorders.** Leeds, 1965. Edited by F. A. Jenner. (Pp. 273+xii. 20s.) Dagenham, Essex: May & Baker. 1965.

**Progress in Clinical Cancer.** Volume 1. Edited by Irving M. Ariel, M.D., F.A.C.S. (Pp. 789+xviii; illustrated. \$35.) New York and London: Grune & Stratton. 1965.

**Treatment of Cancer.** With Special Reference to Radiotherapy and Chemotherapy. Edited by J. S. Mitchell, C.B.E., F.R.S. (Pp. 315; illustrated. £5.) London: Cambridge University Press. 1965.