

second edition include the rewriting, or extensive revision, of the chapters on the composition of the body; appetite; carbohydrates, proteins, chemical agents as food poisons; kwashiorkor; nutritional anaemia; xerophthalmia and blindness; diabetes mellitus; nutrition in relation to injury, surgery, and convalescence; the prevention of nutritional disorders; and the population problem. Among its outstanding virtues are the breadth of the field of knowledge which it covers, the well-maintained balance in the amounts of space devoted to different topics, and its clear and attractive literary style. Such a massive work cannot have been written without much hard work by the authors, but similar labour is not required of the reader. Interest is stimulated by the profuse inclusion of illustrations and diagrams, showing scientific apparatus, the formulae of the vitamins, the effects of nutritional deficiencies in man and animals, and intricate biochemical systems. One attractive series of photographs shows applied aspects of nutrition, ranging from engineering work on the Indus river to education in nutrition in

a Tokyo classroom. Useful practical suggestions are given in an addendum of 17 diet sheets, with indications of the diseases or abnormalities for which they are prescribed.

It is difficult to find any important, or indeed any minor, aspect of human nutrition which the authors do not at least mention, and few readers will not find something new to them. The fact that the flesh of the barracuda is poisonous, for example, may not be familiar to all, nor that Captain Cook suffered severe malaise, and feelings of levitation, after merely tasting a strange Australian fish. Inevitably the wide range of topics treated requires brevity, and only key references are given. Space might have been found on page 200, however, to explain that only certain vitamin-K substitutes, and not natural vitamin K₁, can be toxic when given in great excess to premature infants. On page 195 the impression is given that excessive amounts of the fat-soluble vitamins are toxic because, unlike the water-soluble vitamins, they can accumulate in the body. This is an oversimplification because, in brief, they are not all stored in the body with equal

facility; large stores of vitamin A can be laid down without toxic effects, and even great excess of vitamin E appears to be harmless. The copper-containing pigment of the turaco bird, described on page 178 as being green, is generally reported to be red.

In a foreword Lord Boyd-Orr points out that the medical profession, by reducing death rates and the incidence of disease in underdeveloped countries, has inevitably contributed towards the present rapid increase in the world's population, which threatens to outstrip the increase in food supplies. Members of the medical profession should therefore be interested in the long-term changes in the social order which have resulted from their labours, and which agriculturists and nutritionists have now to face. This book, he considers, gives in lucid language, and in a single volume, all the knowledge needed by doctors and others for the practical application of the results of recent research on nutrition. He gives it his strong recommendation, which doubtless will be generally endorsed.

T. MOORE.

Books Received

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

Communication with the Fatally Ill. By Adriaan Verwoerd, M.D. (Pp. 183+xi. \$7.50.) Springfield, Illinois: Charles C. Thomas. 1966.

Medical Terminology and Lexicography. Proceedings of International Group of Experts, under auspices of U.N.E.S.C.O. and W.H.O., Paris, 1965. (Pp. 56. sFr./DM.15.) Basle and New York: S. Karger. 1966.

Medical Misfortunes of the Slocombe Family. Clinical Stories for Students, Nurses, and Practitioners. By A. E. Clark-Kennedy, M.D., F.R.C.P., and C. W. Bartley, D.M., M.R.C.P. (Pp. 196; illustrated. 25s.) London: Faber and Faber. 1967.

The Book of Grass. An Anthology on Indian Hemp. Edited by George Andrews and Simon Vinkenoog. (Pp. 242+xiii; illustrated. 37s. 6d.) London: Peter Owen. 1967.

Nursing the Psychiatric Patient. By Joan Burr, R.M.N., S.R.N. (Pp. 296+viii; illustrated. 25s. Paper 16s.) London: Baillière, Tindall and Cassell. 1967.

World Review of Nutrition and Dietetics. Vol. 7. Edited by Geoffrey H. Bourne. (Pp. 255+viii. £7.) London: Pitman. 1967.

Surgery of the Ambulatory Patient. 4th edition. By L. Kraeer Ferguson, M.D., F.A.C.S., and Louis Kaplan, M.D., F.A.C.S. (Pp. 807+xvii; illustrated. £7.) London: Pitman. 1967.

Clinical Orthopaedics and Related Research. No. 46. Edited by Anthony F. DePalma. (Pp. 248+ix; illustrated. 60s.) London: Pitman. 1967.

The Pulse in Occident and Orient. Its Philosophy and Practice in India, China, Iran, and the West. By R. B. Amber and A. M. Babey-Brooke. (Pp. 203+viii. £3 15s.) London: Dawson. 1966.

A Synopsis of Ophthalmology. 3rd edition. By J. L. C. Martin-Doyle, M.R.C.S., L.R.C.P., D.O. (Pp. 271+x. 35s.) Bristol: John Wright. 1967.

Brain Tissue Electrolytes. By A. Van Harreveld, M.D., Ph.D. (Pp. 171+xii. £2 4s.) London: Butterworth. 1966.

Biochemistry and Pharmacology of the Basal Ganglia. Symposium, Columbia University, 1965. Edited by Erminio Costa, M.D., Lucien J. Côté, M.D., and Melvin D. Yahr, M.D. (Pp. 238+xiv; illustrated. \$10.95.) New York: Raven Press. 1966.

Cells and Tissue in Culture. Methods, Biology, and Physiology. Vol. 3. Edited by E. N. Willmer. (Pp. 826+xvi; illustrated. £9 9s.) London: Academic Press. 1966.

Handbook of Orthoptic Principles. By G. T. Willoughby Cashell, M.B., B.S.Lond., F.R.C.S.Ed., F.R.C.S.Eng., and Isobel M. Durran, D.B.O.T. (Pp. 134+vii. 24s.) Edinburgh and London: E. & S. Livingstone. 1967.

A Handbook for Nurses. Common Medical and Surgical Conditions. By N. C. West, S.R.N., R.N.T. (Pp. 88+vii. 15s. Paper 8s. 6d.) London: English Universities Press. 1967.

Hospital Administration. 2nd edition. By Geoffrey A. Robinson. (Pp. 590+x. £5 10s.) London: Butterworth. 1966.

Pharmacotherapy of Depression. Edited by Jonathan O. Cole, M.D., and J. R. Wittenborn, Ph.D. (Pp. 189+xi. \$8.50.) Springfield, Illinois: Charles C. Thomas. 1966.

Instrumentation in Biochemistry. Symposium, London, 1966. Edited by T. W. Goodwin. (Pp. 113+ix; illustrated. 30s.) London: Academic Press. 1967.

The Story of William Hunter. By Sir Charles Illingworth. (Pp. 134+viii; illustrated. 35s.) Edinburgh and London: E. & S. Livingstone. 1967.

Nierenfunktionsdiagnostik bei Diabetikern. By Dr. Erhard Lüdtkke. (Pp. 91; illustrated. 13s. 2d.) Jena: Gustav Fischer. 1967.

Praktische Anleitung zur Einrichtung der Arbeitstherapie in Chirurgie und Orthopädie. By W. Weissbach and E.-M. Weissbach. (Pp. 102+viii; illustrated. £1 12s. 6d.) Leipzig: Georg Thieme. 1966.

Mendelian Inheritance in Man. Catalogs of Autosomal Dominant, Autosomal Recessive, and X-Linked Phenotypes. By Victor A. McKusick. (Pp. 344+xvii. 60s.) London: William Heinemann. 1967.

The Lymphocyte in Immunology and Haemopoiesis. Symposium, Bristol, 1966. Edited by J. M. Yoffey. (Pp. 376+viii; illustrated. £6.) London: Edward Arnold. 1967.

Diagnostic Pratique des Cardiopathies Congénitales. 2nd edition. By Jean Bret. (Pp. 184+vi; illustrated. 53 F.) Paris: l'Expansion Scientifique Française. 1966.

Protection de la Population en Cas d'Accident Nucléaire. Symposium, Geneva, 1963. (Pp. 394; illustrated. sFr. 18.) Geneva: Organisation Mondiale de la Santé. 1966.

The Year Book of Obstetrics and Gynecology. 1966-1967. Edited by J. P. Greenhill, B.S., M.D., F.A.C.S., F.I.C.S.(Hon.), F.A.C.O.G. (Pp. 633. 72s.) London: Lloyd-Luke. 1967.

The Year Book of Anesthesia. 1966-1967. Edited by Stuart C. Cullen, M.D. (Pp. 397. 64s.) London: Lloyd-Luke. 1967.

Advances in Surgery. Vol. 2. Edited by Claude E. Welch. (Pp. 520; illustrated. £6 12s.) London: Lloyd-Luke. 1967.

A Manual of Psychophysiological Methods. Edited by P. H. Venables and Irene Martin. (Pp. 557+ix; illustrated. 90s.) Amsterdam: North-Holland. 1967.

The Doctor-Patient Relationship. By Kevin Browne, M.B., B.S., D.Obst.R.C.O.G., D.C.H., and Paul Freeling, M.B., B.S. (Pp. 73+vii. 10s. 6d.) Edinburgh and London: E. & S. Livingstone. 1967.

Treatment of Psychiatric Outpatients. By Ronald R. Koegler, M.D., and Norman Q. Brill, M.D. (Pp. 223+xvii. \$6.95.) New York: Appleton-Century-Crofts. 1967.

Hyperbaric Medicine. 3rd International Conference, Duke University, Durham, North Carolina, 1965. Edited by Ivan W. Brown, jun., and Barbara G. Cox. (Pp. 796+xvi; illustrated. \$15.00.) Washington: National Academy of Sciences. 1966.