

biologically literate. This slim volume is all the equipment he needs.

B. BENJAMIN.

Therapeutic Tool

Bone Marrow Transplantation. By D. E. Pegg. (Pp. 192+vii. 40s.) London: Lloyd-Luke. 1966.

The title of this work indicates a monograph which might be of interest to one or two people in a few specialized centres in the world. Nothing could be further from the truth. This is a book which should find its place on the shelves of every department of physiology, pathology, and medicine in the world.

Dr. Pegg has enhanced his reputation considerably by the production of this almost pocket-size volume. The 192 pages are clearly written and well illustrated. There are no less than 744 references, and this gives some idea of the diligence of the author in drawing together the basic scientific information involved in the process of bone marrow trans-

plantation and relating it to the clinical therapeutic attempts so far made.

The first of nine chapters deals not only with preliminary considerations of terminology and experimental methods of bone marrow study but briefly reviews the history of early experiments in the use of marrow therapeutically. The author then goes on to devote the next three chapters to exploring our knowledge of the effects of ionizing radiations and the steps taken towards successful experimental protection of animals and man by bone marrow transplantation. He states categorically in a chapter on allogeneic bone marrow infusion (infusion of marrow from unrelated donors) that whole body irradiation or massive chemotherapy cannot be justified as treatments by employing this method. With regard to syngeneic bone marrow transplants, 13 that have been carried out between identical twins are reported. Seven such transplants have been inpatients with aplastic anaemia and the others inpatients with acute leukaemia treated by whole body irradiation. The aplastic anaemias were the only cases where this type of treatment seemed justifiable, as in

spite of irradiation leukaemia occurred in all but one of the six cases reported, and in that case the patient died with marrow aplasia on day 20. The following chapter on autologous bone marrow transplantation in man concludes that the disappointing results so far obtained with this possible addition to cancer treatment techniques are probably due to a failure to recognize the situations in which they might reasonably be expected to help.

By the end of chapter VII the reader feels that the short term therapeutic future of marrow transplantation in man is bleak except in a few rare cases. The last two chapters of this monograph, however, by reviewing the present state of technique of bone marrow transplantation and low temperature storage bring encouragement for the future. Such is the diligence and hopefulness of the researchers that when we learn to recognize which patients are most likely to be helped, then a useful therapeutic tool will be ready for use.

Perhaps the most important aspect of all this work is its by-product—the study of low-temperature biology.

J. D. CUMMING.

Books Received

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

Advances in Biology of Skin. Vol. 7. Carcinogenesis. Symposium, Oregon, 1965. Edited by William Montagna and Richard L. Dobson. (Pp. 358+xiii; illustrated. £5 10s.) Oxford: Pergamon. 1966.

Demonstrations of Operative Surgery. 3rd edition. By Hamilton Bailey, F.R.C.S., F.A.C.S., F.R.S.E. Revised by A. R. Isaac, F.R.C.S.(Ed.). (Pp. 431+xii; illustrated. 50s.) Edinburgh and London: E. & S. Livingstone. 1967.

Spongy Degeneration of the Brain in Infancy. By L. Van Bogaert and I. Bertrand. (Pp. 176; illustrated. 50s.) Amsterdam: North-Holland. 1967.

Laparoscopy in Gynaecology. By Patrick C. Steptoe, F.R.C.S.(Edin.), F.R.C.O.G. (Pp. 92+viii; illustrated. 40s.) Edinburgh and London: E. & S. Livingstone. 1967.

The Eye. In General Practice. 4th edition. By C. R. S. Jackson, M.A., B.M., B.Ch.(Oxon.), D.O.M.S., F.R.C.S.Ed. (Pp. 174+viii; illustrated. 27s. 6d.) Edinburgh and London: E. & S. Livingstone. 1967.

Adoption—Facts and Fallacies. By M. L. Kellmer Pringle, B.A., Ph.D. (Pp. 251+x. 21s.) London: Longmans, Green. 1967.

Studies in Analytical Psychology. By Gerhard Adler, Ph.D. (Pp. 250; illustrated. 25s.) London: Hodder & Stoughton. 1966.

The Father of Child Care. Life of William Cadogan. (1711-1797.) By Morwenna and John Rendle-Short. (Pp. 34. 19s. 6d.) Bristol: John Wright. 1966.

Problems of Cell Permeability. By A. S. Troshin. Translated by M. G. Heli. (Pp. 549+xiv. £6.) Oxford: Pergamon. 1966.

Public Health and Population Change. Current Research Issues. Edited by Mindel C. Sheps and Jeanne Clare Ridley. (Pp. 557+xvii. \$10.00.) Pittsburgh: University of Pittsburgh Press. 1966.

The Lamp and the Book. The Story of the R.C.N. 1916-1966. By Gerald Bowman. (Pp. 206; illustrated. 21s.) London: Queen Anne Press. 1967.

The Principles of Health Visiting. Edited by P. J. Cunningham, B.A., S.R.N., S.C.M., H.V.(Cert.). (Pp. 262. 25s.) London: Faber & Faber. 1967.

The U.F.A.W. Handbook on the Care and Management of Laboratory Animals. 3rd edition. Edited by Staff of U.F.A.W. (Pp. 1,015+xvi; illustrated. £6.) London and Edinburgh: B. & S. Livingstone. 1967.

The Royal College of Surgeons in Ireland and its Medical School. 1784-1966. 2nd edition. By J. D. H. Widdess, M.A., Litt.D.(Dublin), L.R.C.P.&S.I., M.C.Path. (Pp. 152; illustrated. 35s.) Edinburgh and London: E. & S. Livingstone. 1967.

Clinical Tropical Diseases. 4th edition. By A. R. D. Adams and B. G. Maegraith. (Pp. 582+x; illustrated. 70s.) Oxford: Blackwell. 1966.

Development of Metabolism as Related to Nutrition. Symposium, Prague, 1966. Edited by P. Hahn and O. Koldovsky. (Pp. 310+vi. sFr./DM. 64.) Basle and New York: S. Karger. 1966.

Cancer in the Cape Division, South Africa. A Demographic and Medical Study. By J. Muir Grieve, M.B., Ch.B.(Glasg.), D.M.R.E. (Liverp.), F.F.R.(Lond.). (Pp. 90; illustrated. £5 10s.) London: Oxford University Press. 1967.

An Introduction to Clinical Neuroendocrinology. Edited by Eörs Bajusz. (Pp. 573+xv; illustrated. sFr./DM. 115.) Basle and New York: S. Karger. 1967.

Consumer's Guide to the British Social Services. By Phyllis Willmott. (Pp. 287. 6s.) Harmondsworth, Middlesex: Penguin. 1967.

Thymic Tumours. By J. F. Hale, M.A., D.M. (Oxon.), M.R.C.P., and E. F. Scowen, M.D., D.Sc.(Lond.), F.R.C.P., F.R.C.P.Ed., F.R.C.S., F.C.Path. (Pp. 93+viii; illustrated. 30s.) London: Lloyd-Luke. 1967.

An Introduction to Functional Anatomy. 3rd edition. By David Sinclair, M.A., M.D., D.Sc., F.R.C.S.Ed. (Pp. 466; illustrated. 52s. 6d.) Oxford: Blackwell. 1966.

Hematologic Problems in the Newborn. By Frank A. Oski, M.D., and J. Lawrence Naiman, M.D. (Pp. 294+viii; illustrated. £3 17s.) London: W. B. Saunders. 1966.

Radiographic Examination in Blunt Abdominal Trauma. By James J. McCort, M.D. (Pp. 252+viii; illustrated. £3 13s. 6d.) London: W. B. Saunders. 1966.

Klinische Aspekte zur Pathophysiologie nicht Epileptischer Anfälle. By Dr. Walter Schober. (Pp. 81; illustrated. 180 Austrian shillings.) Vienna: Wilhelm Maudrich. 1966.

The Memory System of the Brain. By J. Z. Young. (Pp. 128+vi; illustrated. 28s.) London: Oxford University Press. 1967.

Malaria Parasites. And Other Haemosporidia. By P. C. C. Garnham, C.M.G., M.D., D.Sc., F.R.S. (Pp. 1,114+xviii; illustrated. £8 15s.) Oxford: Blackwell. 1966.

11,000 Seven-Year-Olds. 1st Report of the National Child Development Study. Central Advisory Council for Education, 1966. (Pp. 246+xx. 21s.) London: Longmans, Green. 1966.

The Year Book of Cardiovascular and Renal Diseases. 1965-1966. Edited by Eugene Braunwald, M.D., et al. (Pp. 464; illustrated. 75s.) London: Lloyd-Luke. 1967.

Radiology of the Duodenum. By R. A. Kemp Harper, M.D., F.R.C.P., F.R.C.P.(Ed.), F.R.C.P. (Glasg.), F.F.R. (Pp. 225+xii; illustrated 45s.) London: Lloyd-Luke. 1967.

The Pathology of Emphysema. By Lynne Reid, F.R.A.C.P., M.R.C.P., F.C.Path. (Pp. 372+ix; illustrated. 70s.) London: Lloyd-Luke. 1967.

William Harvey's Biological Ideas. Selected Aspects and Historical Background. By Walter Pagel. (Pp. 394. sFr./DM. 96.) Basle and New York: S. Karger. 1967.

Practical Endocrinology. By James H. Hutton, M.D., F.A.C.P. (Pp. 99+xviii. \$5.50.) Springfield, Illinois: Charles C. Thomas. 1966.