

BOOKS RECEIVED

The Editorial Board acknowledge with thanks receipt of the following volumes. A selection from these will be made for review.

'Arterial Surgery'. Proceedings of the Conference at Law Hospital, Carlisle. Edited by W. A. Mackey, J. A. MacFarlane and M. S. Christian. Pp. ix + 170, illustrated. Oxford, London, New York and Paris: Pergamon Press. 1964. 50s.

'Data Acquisition and Processing in Biology and Medicine'. Vol. 2. Proceedings of the Rochester Conference. Edited by K. Enslein. Pp. ix + 367, illustrated. Oxford, London, New York and Paris: Pergamon Press. 1964. 80s.

'Programmed Genetics'. Vol. 1. The Basic Concepts. By C. A. Lawson and M. A. Burmester. Pp. vi + 330, illustrated. America: D. C. Heath. London: George C. Harrap. 1964. 38s. 5d.

'The Tired Business Man'. By Sir H. Ogilvie. Pp. vii + 93. Springfield, Illinois: Charles C Thomas. 1964. \$4.75.

'A Practical Manual for the Treatment of Burns'. By E. R. Crews. Pp. xiii + 119, illustrated. Springfield, Illinois: Charles C Thomas. 1964. \$6.75.

'Substances Producing Pain and Itch'. By C. A. Keele and D. Armstrong. Pp. vi + 399, illustrated. London: Edward Arnold. 1964. 55s.

'Modern Trends in Orthopædics'. Vol. 4. Edited by J. M. P. Clark. Pp. viii + 254, illustrated. London: Butterworths. 1964. 60s.

'Diagnosis and Treatment of Congenital Hip Pathology in the Newborn'. By Stanko Stanisavljevic. Pp. xi + 94, illustrated. Baltimore: Williams and Wilkins. London: Baillière, Tindall and Cox. 1964. 52s.

'Medical Sociology and Cultural Anthropology of Sport and Physical Education'. By Ernst Jokl, M.D. Pp. viii + 166, illustrated. Springfield, Illinois: Charles C Thomas. 1964. \$7.50.

'Diet and Bodily Constitution'. Ciba Foundation Study Group No. 17. Edited by G. E. W. Wolstenholme and M. O'Connor. Pp. 120 with 31 illustrations. London: J. & A. Churchill. 1964.

'Candida Albicans'. By H. I. Winner and R. Hurley. Pp. x + 306, illustrated. London: J. & A. Churchill. 1964. 60s.

'Injuries of the Spine'. By M. Beckett Howorth and J. Gordon Petrie. Pp. xvi + 343, illustrated. Baltimore: Williams and Wilkins. London: Baillière, Tindall and Cox. 1964. 120s.

'The Theory and Practice of Auscultation'. Edited by B. L. Segal with W. Likoff and J. H. Moyer. The Ninth Hahnemann Symposium. Pp. xv + 562, illustrated. Oxford: Blackwells Scientific Publications. 1964. £5 16s.

'Pulmonary Function in Clinical Medicine'. By B. H. Bass. Pp. ix + 68, illustrated. Springfield, Illinois: Charles C Thomas. 1964. \$4.75.

'Neurologic Manifestations of General Diseases'. By J. A. Aita. Pp. ix + 921. Springfield, Illinois: Charles C Thomas. 1964. \$24.50.

'What's Wrong with British Hospitals'. By Gerda L. Cohen. Pp. 195. Penguin Books. 1964. 3s. 6d.

'Manual of Gastro-Intestinal Endoscopy'. By E. D. Palmer and H. W. Boyce, Jr. Pp. vii + 133, illustrated. Baltimore: Williams and Wilkins. London: Baillière, Tindall and Cox. 1964. 70s.

'Problems of the Biochemistry of the Nervous System'. Edited by A. V. Palladin. Translated from the Russian. Pp. xii + 330, illustrated. Oxford, London, New York and Paris: Pergamon Press. 1964. 80s.

NEW EDITIONS

'Diseases of Medical Progress'. Edited by R. H. Moser. Second edition. Pp. xxviii + 543. Springfield, Illinois: Charles C Thomas. 1964. \$19.75.

'Diseases of the Heart and Blood Vessels. Nomenclature and Criteria for Diagnosis'. By the Criteria Committee of the New York Heart Association. Sixth edition. Pp. xxiii + 463, illustrated. London: J. & A. Churchill. 1964. 40s.

'Biochemical Disorders in Human Disease'. Edited by R. H. S. Thompson and E. J. King. Second edition. Pp. xx + 1066, illustrated. London: J. & A. Churchill. 1964. 120s.

'Leukemia'. By W. Dameshek and F. Gunz. Second edition. Pp. xiii + 594, illustrated. New York and London: Grune and Stratton. 1964. \$25.

BOOK REVIEWS

Clinical Endocrinology for Surgeons

D. A. D. MONTGOMERY and R. B. WELBOURN.
Pp. viii + 567. London: Edward Arnold. 1963.

It is a commonplace of modern medical thought that the boundaries between medicine and surgery are becoming increasingly ill defined. This is nowhere more apparent than in the management of patients with disease of the endocrine system, and it is therefore appropriate that this book should be jointly written by a physician and surgeon, both well known for their work in this field. Following a brief introduction in the general features of the endocrine system, the book is divided into three sections, dealing respectively with the anterior pituitary and its target glands, the other major endocrine

glands and the endocrine aspects of general surgery. The basic physiology of each of the endocrine glands and systems is described briefly and lucidly and the various diseases and disturbances of function are then considered from a primarily clinical approach, with appropriate emphasis on laboratory tests in diagnosis and control of dysfunction. Surgical procedures are described in outline, but operative detail is omitted. Each chapter concludes with a selected but adequate list of references for further reading.

Well illustrated and well written, this book surveys this broad field well and contains a mass of information in an attractive and comprehensible form. It is comprehensive, but at the same time retains a sense of balance, with emphasis on the important and common

conditions. Equally there is an excellent balance between what may be called the clinical and physiological aspects of the subject. Hitherto anyone interested in this relatively new branch of surgery has had to seek information from a variety of sources. This authoritative text fills a real gap in British surgical literature and will be of value to all surgeons interested in this field. This book is written primarily for the postgraduate student, to whom it will undoubtedly be of the greatest value, both as a textbook for close study and as a work of reference. At the same time it can be recommended to the keen undergraduate student interested in this fascinating and growing aspect of surgery.

In a book covering such a wide field it is inevitable that some subjects should receive special attention, no doubt reflecting the main interests of the authors. Thus the chapters on the adrenal and thyroid glands are outstanding and there is an excellent chapter, written by Dr. Mary McGeown, on the parathyroid glands. In contrast some of the subjects, such as the surgical complications of diabetes and the concept of 'adrenal exhaustion', receive perhaps rather too brief attention in a book written for surgeons. However, such slight discrepancies are inevitable in a book which covers such a wide subject so comprehensively, and this minor criticism in no way detracts from an outstanding book.

Iron Metabolism

THOMAS H. BOTHWELL and CLEMENT A. FINCH. Pp. 440, illustrated. London: J. & A. Churchill. 1963. £5 7s. 6d.

This excellent monograph on iron metabolism is written by two practising physicians who have been interested in disorders of iron metabolism for a number of years and who have made many original contributions to the subject. The early chapters on iron absorption and turnover in the body and the regulation of plasma iron balance bring together information from many different sources. The description of techniques is full and the critical analysis of currently available methods used, for instance, in the measurement of serum iron level are particularly valuable. The accounts of isotope studies will be of considerable help to those concerned in the setting up of such techniques. Calculations are given of the actual dose of radiation received by the patient in the course of these investigations. The various clinical syndromes of iron deficiency and iron overload are considered in detail and the bibliography is extensive. Perhaps one is slightly disappointed that the several important gaps in our knowledge of idiopathic hæmochromatosis are rather glossed over and that the description of the role of environmental factors in the ætiology of the disease is superficial. These are small criticisms, however, of a book which will be of value to the general physician and pathologist as well as to the expert in the field.

Compendium of Emergencies

Editor: H. GARDINER-HILL, M.D., F.R.C.P. Pp. xi + 328. London: Butterworth. 1963. 55s.

This compendium of emergencies is written by a score of specialists, each treating those emergencies most likely to occur in his field. The emergency is considered under three main headings—the nature and pathology of the condition, its recognition, and advice on its management and treatment, both initially and in

hospital. The full value of each contribution can only be assessed in the course of time by its practical help to the clinician suddenly confronted with a situation outside his normal scope and experience. Thus, it is the type of book which should be at hand on a nearby shelf or in one's cabin in a ship at sea.

The emergencies described are those usually seen and dealt with by Casualty officers or by the registrars of the specialists writing this book. It is possible that their active co-authorship would have modernised certain sections; a subsequent edition must take into account the new semi-synthetic penicillins, intravenous pitressin for bleeding œsophageal varices, and more adequate accounts of acute renal failure and hepatic coma. The treatment of poisoning is so important that it needs to be enlarged. An outline of the new Mental Health Act and the methods of compulsory admission would be valuable in the chapter on psychiatry. The chapter on neurological emergencies is particularly clear, concise and helpful, and it could well be adopted as a model for other chapters in another edition.

The Abdominal Compression Reaction: Activity of Abdominal Muscles Elicited From the Circulatory System

W. B. YOUMANS, Q. R. MURPHY, J. K. TURNER, L. D. DAVIS, D. I. BRIGGS and A. S. HOYE. Pp. 790 with 45 figures. Baltimore: Williams and Wilkins. 1963. 32s.

This monograph presents material originally published in the American Journal of Physical Medicine. The studies described are the alterations in activity of abdominal muscles and other skeletal muscles elicited by changes in the cardiovascular system. These studies indicate that the activity of the abdominal muscles increased selectively as a reflex mechanism when the volume of blood in certain 'low pressure' portions of the cardio-vascular system, most probably the left atrium, is reduced. The rôle of the abdominal compression reflex apparently is to modulate cardiac filling without simultaneously producing considerable alterations in tidal volume.

Diseases of the Alimentary Tract

CLIFFORD F. HAWKINS, M.D., F.R.C.P. Pp. 411 with 60 illustrations and six tables. London: William Heinemann Medical Books. 1963. 60s.

This new book, though small in size, is very meaty and a fitting testimony to the many significant contributions from Birmingham, especially, of course, those relating to small gut function. Gastroenterology is becoming an increasingly important and broad specialty and the consequent large volume of new material has been well sifted and presented, making this volume very up to date. It is definitely aimed at the open-minded postgraduate with emphasis on facts rather than theory, as exemplified by the way in which medical therapy of peptic ulceration is dealt with in four succinct sides. One particularly helpful chapter is that in which a working account is given of a disparate group of common problems, which in other books tend to be glossed over or omitted. The direct style has great appeal.

The layout and print are clear and pleasing, except for the half-width captions under the illustrations. X-ray reproductions are plentiful and excellent. An extensive bibliography appears at the end.