

surgery at Columbus, Ohio, and has reviewed the scope and limitations of such tests in a useful and fair-minded survey. It will be of substantial value to those who are concerned with the clinical evaluation of renal function but are unfamiliar with this branch of what the author refers to as "medical isotopetry."

Written in a narrative and illustrative way, the book contains a great deal of practical information and good sense, particularly in its emphasis on broad conclusions and the dangers of over-interpretation, even if this implies that the treatment is less analytical or quantitative than might have been possible. It would have been useful to have had, for example, numerical data on normal ranges rather than simple assertions of the limits ascribable to "moderate" or "marked" decrease in function, and a clearer definition of the phase of the renogram tracing (of the renal content of labelled hippuran after its intravenous injection) attributed to the "functional segment." For normal kidneys this phase of increasing uptake is shown to reflect tubular

activity in concentrating the test substance, and to be terminated by a falling count rate when excretion predominates. The pattern is characteristically altered, however, when excretion from the kidney is impaired by obstruction, or in anuria, when the counting rate rises abnormally.

The text is copiously illustrated with tracings and examples of the scope of the test, so much so in fact that an interrupted sentence may be resumed nine pages later. Because of this a clearer difference between the types used for figure legend and text would have been helpful. It would also have been useful to have a more quantitative statement of the radiation exposures attributable to the various nuclides employed, however small, and to any fractional long-term retention that may be involved. The book remains, however, a thoroughly useful compilation of evidence as to the routine use of a clinically valuable test.

E. POCHIN.

BOOKS RECEIVED

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

Obstetrics and Gynecology. By J. Robert Willson, M.D., Clayton T. Beecham, M.D., and Elsie Reid Carrington, M.D. Second edition. (Pp. 738; illustrated. £5 3s. 6d.) Saint Louis: The C. V. Mosby Company. London: Henry Kimpton. 1963.

Atlas of Vascular Surgery. By Falls B. Hershey, M.D., F.A.C.S., and Carl H. Calman, M.D., F.A.C.S. (Pp. 307; illustrated. £6 15s.) Saint Louis: The C. V. Mosby Company. London: Henry Kimpton. 1963.

Therapeutic Exercise. By Hans Kraus, M.D. Second edition. (Pp. 249+xx; illustrated. \$7.50.) Springfield, Illinois: Charles C. Thomas. 1963.

Anesthesia for Emergency Surgery. Edited by Nicholas M. Greene. (Pp. 162+ix. 40s.) Oxford: Blackwell Scientific Publications Ltd. 1963.

Fundamentals of Medical Education. By Thomas B. Turner, M.D. (Pp. 80+vii. \$3.75.) Springfield, Illinois: Charles C. Thomas. 1963.

Health Care for the Community. Selected Papers of Dr. John B. Grant. Edited by Conrad Seipp. (Pp. 194+xviii. 40s.) Baltimore, Maryland: Johns Hopkins Press. London: Oxford University Press. 1963.

Biochemical Findings in the Differential Diagnosis of Internal Diseases. Edited by R. Schoen and H. Sudhof. (Pp. 428+xvi; illustrated. £5 10s.) Amsterdam, London, and New York: Elsevier Publishing Company. 1963.

Truella Phages, Properties and Application. By Jozef Parnas. (Pp. 60; illustrated. 35s.) Basle and New York: S. Karger. London: Pitman Medical Publishing Co. Ltd. 1963.

Morbidity and Mortality from Malignant Neoplasms in the U.S.S.R. Edited by A. M. Merkova, G. F. Tserkovnogo, and B. D. Kaufman. Translated by K. Syers. English edition edited by J. G. Dean, M.D., M.R.C.P. (Pp. 37. 7s. 6d.) London: Pitman Medical Publishing Co. Ltd. 1963.

Occupational Therapy. By Helen S. Willard, B.A., O.T.R., and Clare S. Spackman, B.S., M.S.(Ed.), O.T.R. Third edition. (Pp. 473+xvi; illustrated. 60s.) London: Pitman Medical Publishing Co. Ltd. Philadelphia: J. B. Lippincott Company. 1963.

Research in Muscular Dystrophy. Edited by the Members of the Research Committee of the Muscular Dystrophy Group. (Pp. 273; illustrated. 30s.) London: Pitman Medical Publishing Co. Ltd. 1963.

Normal Growth and Cancer. By Grace Medes, Ph.D., and Stanley P. Reimann, M.D. (Pp. 268+xiv; illustrated. 65s.) Philadelphia and Montreal: J. B. Lippincott Company. London: Pitman Medical Publishing Co. Ltd. 1963.

Diseases of the Alimentary Tract. By Clifford F. Hawkins, M.D., F.R.C.P. (Pp. 411+xiii; illustrated. 60s.) London: William Heinemann Medical Books Ltd. 1963.

Tissue Cultures in Biological Research. By G. Penso and D. Balducci. (Pp. 468+viii; illustrated. £5.) Amsterdam, London, and New York: Elsevier Publishing Company. 1963.

First Inter-American Conference on Congenital Defects. Compiled and edited for the International Medical Congress. (Pp. 261+xiii; illustrated. 60s.) Philadelphia and Montreal: J. B. Lippincott Company. 1963.

Clinical Practice and Physiology of Artificial Respiration. By J. M. K. Spalding, D.M., M.R.C.P., and A. Crampton Smith, M.A., M.B., F.F.A.R.C.S. (Pp. 144+xii; illustrated. 30s.) Oxford: Blackwell Scientific Publications Ltd. 1963.

The Clinical Chemistry of Monoamines. Edited by Harold Varley, M.Sc., F.R.I.C., and A. H. Gowenlock, M.Sc., M.B., Ch.B., Ph.D. (Pp. 242+xvi; illustrated. 60s.) Amsterdam, London, and New York: Elsevier Publishing Company. 1963.

Essays on Nucleic Acids. By Erwin Chargaff. (Pp. 211+xii; illustrated. 45s.) Amsterdam, London, and New York: Elsevier Publishing Company. 1963.

Thrombophlebitis. By Roger M. Morell, M.D. (Pp. 182+viii; illustrated. \$6.50.) New York and London: Grune and Stratton. 1963.

Fortschritte der Diabetesforschung. Edited by Prof. Dr. K. Oberdisse and Prof. Dr. K. Jahnke. (Pp. 146+vi; illustrated. DM. 29.70.) Stuttgart: Georg Thieme Verlag. 1963.

Medical Department, United States Army. Organization and Administration in World War II. Prepared and published under the direction of Lieutenant-General Leonard D. Heaton. Editor in Chief: Colonel John Boyd Coates, Jr. Editor for Organization and Administration: Charles M. Wiltse, Ph.D., Litt.D. (Pp. 613+xxii; illustrated.) Washington, D.C.: Office of the Surgeon General, Department of the Army. 1963.

Current Concepts in Hypothyroidism. Edited by K. R. Crispell, M.D. (Pp. 197+v. 55s.) Oxford, London, New York, and Paris: Pergamon Press. 1963.

Zyto- und Histochemie in der Hämatologie. Edited by Hans Merker. (Pp. 623+xv; illustrated. DM. 98.) Berlin, Göttingen, and Heidelberg: Springer-Verlag. 1963.

Optokinetic Nystagmus. By J. Lawton Smith, M.D. (Pp. 141+xi; illustrated. \$6.75.) Springfield, Illinois: Charles C. Thomas. 1963.

Resuscitation: Controversial Aspects. Chairman and Editor: Peter Safar, M.D. (Pp. 64. DM. 10.) Berlin, Göttingen, and Heidelberg: Springer-Verlag. 1963.

British Chemicals and their Manufacturers. The Directory of the Association of British Chemical Manufacturers. 1963. (Pp. 230.) London: Association of British Chemical Manufacturers. 1963.

Cecil-Loeb Textbook of Medicine. Edited by Paul B. Beeson, M.D., and Walsh McDermott, M.D. Eleventh edition. (Pp. 1,835+xlv; illustrated. Single volume edition: £6 16s. 6d. Two volume set: £8 4s. 6d.) Philadelphia and London: W. B. Saunders Company. 1963.

Circulatory Physiology: Cardiac Output and Its Regulation. By Arthur C. Guyton, M.D. (Pp. 468+viii; illustrated. £5 5s.) Philadelphia and London: W. B. Saunders Company. 1963.