

sent means, but the data presented in these Russian volumes nearly always concern changes in individual animals. Both books illustrate the special Russian approach which makes every effort to relate any changes following irradiation to radiation damage to the nervous system. Perhaps the most striking example concerns the mucosa of the gastro-intestinal tract. In the West the degenerative changes are universally accepted as being primarily due to the action of the ionizing radiation on the cells themselves, but Kurstin considers that degeneration of the nucleus and cytoplasm may be due to impairment of the "trophic function" of the nervous system.

E. V. HULSE.

Neurosurgery

Principles of Neurological Surgery. By Loyal Davis, M.D., M.S., Ph.D., D.Sc., F.A.C.S., F.R.C.S., F.R.C.S.(Edin.), and Richard A. Davis, M.D., M.S., F.A.C.S. (Pp. 608 + viii; illustrated. £5 5s.) London: W. B. Saunders. 1963.

The difficulty in writing a textbook of neurosurgery arises from the fact that it forms part of the wider subject of neurology and embraces neurophysiology and neuropathology. It is impossible to be comprehensive in all three fields. In addition, neuroradiology and possibly electro-physiology have to be covered, and allowances have to be made for individual preferences of treatment. The authors of this book, having no doubt appreciated this problem, have written it for "the student and physician . . . to provide a point

of departure for various subjects as well as a basic background. . . ." It is, in effect, a further edition of the work first published in 1936 under the same title, though it has been extensively rewritten and the senior author is now joined by his son.

It is made clear in the prefaces to earlier editions that detailed instruction in techniques and methodology has not been attempted. This is still true, though the illustration of trigeminal sensory root section depicts an operation that would probably cause facial paralysis if carried out as shown. Each chapter concludes with references for further reading, but these have to be perused since they are not cross-referenced in the text, and many authors are quoted whose writings are not listed. The book has a wide scope, but some points of importance to the novice, including the mechanism and effects of tentorial herniation, could receive more emphasis. Some important items are difficult to find, and for this reason the index should be enlarged. It may be doubted if neurological diagnosis and the functional anatomy of the nervous system can be adequately explained in 62 pages, and in other respects one feels that too much has been attempted in the compass of the book. Some chapters are very succinct and lucid, particularly those on trauma.

To whom is the book of value? Perhaps to a doctor preparing for his first neurosurgical appointment, or to a student desiring to find out more about neurology than mere examination demands, or possibly as a work of reference for nurses. For these reasons it will continue to find a place in libraries.

P. H. SCHURR.

Books Received

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

Bibliography on Electromyography and Supplement. Compiled by P. Rosenfalck, M.Sc. (Bibliography: Pp. 46; Supplement: Pp. 32. No charge.) Herlev, Denmark: Disa Elektronik A/S. 1963.

Biochemical Lesions and Lethal Synthesis. By Sir Rudolph A. Peters, M.C., M.D., F.R.S. (Pp. 321 + x; illustrated. 70s.) Oxford: Pergamon Press. 1963.

Complications of Modern Medical Practices. A Treatise on Iatrogenic Diseases. By David M. Spain, M.D. (Pp. 342 + xvi; illustrated. \$12.75.) New York and London: Grune & Stratton. 1963.

Electrocardiographic Notebook. By M. Irené Ferrer, M.D. Second edition. (Pp. 112; illustrated. \$2.75.) New York: Hoeber Medical Division, Harper & Row. 1964.

Calendar of Murder. Criminal Homicide in England since 1957. By Terence Morris, Ph.D., and Louis Blom-Cooper, LL.B., Dr.Jur. (Pp. 413 + xiii. 30s.) London: Michael Joseph. 1964.

Current Practice in Orthopaedic Surgery 1963. By John P. Adams, B.S., M.D., F.A.C.S., Editor. (Pp. 217; illustrated. 96s.) Saint Louis: C. V. Mosby. London: Henry Kimpton. 1963.

Diagnosis and Treatment of Blood Diseases. By M. C. G. Israëls, M.D., M.Sc., F.R.C.P. (Pp. 125 + vii; illustrated. 35s.) London: William Heinemann. 1964.

Gynecologic Surgery and Urology. By Thomas L. Ball, M.D. Foreword by R. Gordon Douglas, M.D. Second edition. (Pp. 648; illustrated. £8 8s.) St. Louis: C. V. Mosby. London: Henry Kimpton. 1963.

Care of the Geriatric Patient. Edited by E. V. Cowdry, Ph.D., Sc.D.(Hon.), F.R.M.S.(Hon.). Second edition. (Pp. 566; illustrated. 89s.) Saint Louis: C. V. Mosby. London: Henry Kimpton. 1963.

Heredity and Development. By John A. Moore. (Pp. 245; illustrated. 16s.) New York and London: Oxford University Press. 1963.

Modern Trends in Plastic Surgery. 1. Edited by Thomas Gibson, M.B., F.R.C.S.(Ed.), F.R.C.S.(Glasg.). (Pp. 311 + xi; illustrated. 75s.) London: Butterworth. 1964.

Viewpoints on the Study of Drug Toxicity. Proceedings of the European Society for the Study of Drug Toxicity. Volume 2. 1963. (Pp. 94. 42s.) Amsterdam, New York, London, Milan, Tokyo: Excerpta Medica Foundation. 1963.

Progress in Gynecology. Edited by Joe V. Meigs, M.D., and Somers H. Sturgis, M.D. Volume 4. (Pp. 676 + xi; illustrated. £6.) London: William Heinemann. 1964.

A Normative Sample of Intelligence and Achievement of Negro Elementary School Children in the Southeastern United States. By Wallace A. Kennedy, Vernon Van De Riet, and James C. White, Jr. Monographs of the Society for Research in Child Development. Serial No. 90, 1963. Vol. 28, No. 6. (Pp. 112. \$3.00.) Purdue University, Lafayette, Indiana: Child Development Publications. 1963.

Psychophysiological Research

Physiological Correlates of Psychological Disorder. Edited by Robert Roessler and Norman S. Greenfield. (Pp. 281 + xi; illustrated. \$6.50.) Madison: University of Wisconsin Press. 1962.

The University of Wisconsin in 1961 organized the conference at which the contents of this book were presented. The papers, though specially written for the conference, report or review findings which were already for the most part available in the journals. They provide a sober survey of much current psychophysiological research.

The subjects dealt with include biochemical mechanisms in schizophrenia, the excitability of the cerebral cortex, cardiovascular responses to psychological stimuli, specificity in relation to psychosomatic disease, psychosocial features of tuberculosis, and consciousness in schizophrenia. Many of the papers are by men who are widely known for their concern with a particular area of study: thus Professor Stunkard writes the chapter on "Strategies in the Study of Obesity"; Dr. Persky writes on adrenocortical function during anxiety; and Professor Shagass on cortical excitability. Among the most stimulating and informative chapters are those on methodological problems, clearly written out of intimate acquaintance with the difficulties described—but not always surmounted. As introduction to the book there is an unadventurous, balanced commentary by Dr. Malamud on the broad trends discernible in psychiatric research in this century.

AUBREY LEWIS.

Anesthesia for Infants and Children. By Robert M. Smith, M.D. Second edition. (Pp. 470; illustrated. £5 1s. 6d.) Saint Louis: C. V. Mosby. London: Henry Kimpton. 1963.

Viruses, Nucleic Acids, and Cancer. A Collection of Papers Presented at the Seventeenth Annual Symposium on Fundamental Cancer Research. (Pp. 659; illustrated. \$16.) Baltimore: Williams and Wilkins. 1963.

Age and Need. A Study of Older People in North-East Scotland. By I. M. Richardson, M.D., Ph.D., F.R.C.P.E., D.P.H. (Pp. 124 + xii. 25s.) Edinburgh and London: E. & S. Livingstone. 1964.

Les Brûlés. Études Physiopathologiques et Thérapeutiques. By A. Monsaingeon. (Pp. 408; illustrated. 58 F.) Paris: Masson. 1963.

Introduction to Obstetrics. Theory and Practice for Obstetric Nurses. By George Herbert Green, B.A., B.Sc., M.B., F.R.C.O.G. Foreword by Miss Flora Cameron, O.B.E., R.N., R.M. (Pp. 205; illustrated. 32s. 6d.) Christchurch, New Zealand: N. M. Peryer. 1963.

Gynaecology for Senior Students of Nursing. By John Cairney, C.M.G., D.Sc., M.D., F.R.A.C.S., and J. Cairney, B.Sc., M.B., Ch.B., M.C.R.A. Third edition. (Pp. 247; illustrated. 32s. 6d.) Christchurch, New Zealand: N. M. Peryer. 1963.

Absorption and Distribution of Drugs. Based on a Symposium held by the Association of Medical Advisers in the Pharmaceutical Industry. Edited by T. B. Binns, M.R.C.P., M.R.C.P.Ed., D.C.H. Foreword by Sir Charles Dodds, M.V.O., M.D., F.R.S. (Pp. 270 + xi; illustrated. 37s. 6d.) Edinburgh and London: E. & S. Livingstone. 1964.