

perform the investigation and interpret the films. It is an extremely thorough review condensed into a short readable book with many excellent illustrations. The most instructive sections are those that deal with practical techniques—especially the methods of selective catheterization of the tributaries—and the pitfalls of interpretation.

This book should be in the office of all vascular radiologists, and is worthy of study by both physicians and surgeons, who would quickly learn the great value of this simple but neglected and underrated method of clinical investigation.

NORMAN BROWSE.

Childhood Neuromuscular Disorders

Neuromuscular Diseases of Infancy and Childhood. Kenneth F. Swaiman and Francis S. Wright. (Pp. 261+x; illustrated. \$14.00) Springfield, Illinois: Charles C. Thomas. 1970.

Neuromuscular disorders figure prominently among the diseases of childhood, and the rapid advances in this field in recent years have created a need for a comprehensive modern account of them. This book is comprehensive without being verbose and includes a discussion of even the most recent literature. There are some significant omissions.

The work begins by discussing techniques of clinical and laboratory examination. This is followed by chapters on upper motor neurone lesions; anterior horn cell diseases; disorders of the spinal nerve roots, peripheral nerves, and the neuromuscular junction; muscular dystrophies and other hereditary myopathies; and finally myositis and muscle tumours. The inherited metabolic disorders of muscle are particularly well covered.

This is a useful textbook, dealing with an interesting and important facet of paediatric neurology.

P. K. THOMAS.

Alcohol and Road Safety

The Truth about Breath Tests. Ronald C. Denney. (Pp. 90; 25s.) Nelson. 1970.

This short book is written primarily for the layman, but those doctors with only a marginal interest in the problems of alcohol measurement will find much of value in the

text. Moreover police surgeons, magistrates, and, indeed, all concerned with the administration of the 1967 Road Safety Act could benefit by reading this account of the problems involved in its application.

The choice of title with its overtones of the sensational is the least satisfactory aspect of this book. The text itself gives a much more comprehensive review than the title implies and includes an historical survey. The reasoning behind the introduction of tests for alcohol in blood, breath, and urine and the principles on which they are based are set out clearly and on the whole accurately. And the author is surely right to argue that screening tests for alcohol should not be restricted to motorists but should be extended to include cyclists and pedestrians involved in road accidents.

It is perhaps unfortunate that the use of the colloquial term "breathalyser" has been perpetuated, when elsewhere in the book the need for accuracy in measurement and language has been so strongly emphasized. This, however, is a minor criticism of a well-written text clearly illustrated with an adequate bibliography. It should be widely read.

J. P. PAYNE.

Psychiatric Problems

Diagnosis and Drug Treatment of Psychiatric Disorders. D. F. Klein and J. M. Davis. (Pp. 480 + xix; 130s.) London: E. & S. Livingstone. Baltimore: Williams & Wilkins. 1969.

The authors have aimed their book at medical students, general practitioners, and psychiatrists. This is a difficult range of readers to satisfy, and the authors are to be congratulated on their achievement.

After reviewing the problems of psychiatric classification and diagnosis and the general aspects of psychotropic drug management the authors go on to discuss schizophrenia and its various subgroups, depressive illnesses, and neurotic and personality disorders. Indications for using which drug—or combination of drugs—with side and toxic effects in different illnesses and patients at different stages of illness are well described. The authors give their own views plainly, but they also give a fair summary of other opinions.

There are some "good housekeeping" hints of typically trans-Atlantic flavour like: "It is not wise to charge for telephone contacts with patients; this tends to discourage them from making needed calls." However, in general the authors' approach is very much in keeping with psychiatric practice in Britain, and this book can be

recommended to doctors simply interested in psychiatry as well as those reading for their D.P.M.

PETER DALLY.

Autobiography of a Physiologist

Touch, Tickle and Pain: An Autobiography. Part One. Yngve Zotterman. (Pp. 269+xiii; illustrated. 60s.) Oxford: Pergamon Press. 1969.

This, the first volume of Professor Zotterman's autobiography, contains no factual information on touch, tickle, and pain—despite its title. Nevertheless, it can be unreservedly recommended to anyone who has even the remotest interest in physiology or who wishes to know more about the attractions of an academic career in medicine or biology.

Yngve Zotterman has an unusually attractive style of writing. His infectiously gay personality and penetrating powers of observation enable the reader to share in an intimate way memorable episodes in his life starting with his early childhood in provincial Sweden up to 1926 shortly before he started his own independent career. In the first half of the book he describes scenes in his life as a child, as a schoolboy, as a university student at the Karolinska Institutet in Stockholm, as a clinical student in Uppsala and later in Stockholm, as a national service man in the Royal Swedish Navy, and as a young man enamoured of physiological research which he did in his spare time.

In the second half of the book Yngve describes episodes which occurred during his visits to Paris, London, and Cambridge. In Cambridge he spent several periods in the early years after the first world war working with Lord Adrian, and these laid the foundations of his future outstanding career. His descriptions include encounters with many of the most distinguished physiologists of the day and perhaps of all time.

This book is notable for its candour, for the zest for life which its author displays, and, above all, for its portrait of himself as a kindly generous person with an abundant sense of humour. The anecdotes alone, serious and amusing alike, make the book worth buying. Yngve Zotterman has paved the way for a second best-seller in the shape of volume 2, which it is hoped will be published shortly. After all, there are very few people in the world who know more about touch, tickle, and pain than this physiologist of great distinction and international reputation, and we deserve to hear what he has to say about them.

A. G. M. WEDDELL.

Books Received

Books noticed here may be reviewed later.

Talks and How to Give Them or Say What You Mean. H. A. Shearring and B. C. Christian. (Pp. 101; 25s. Cloth; 12s. Paperback.) George Allen & Unwin. 1970.

Myelination of the Brain in the Newborn. Lucy Balian Rorke and Helena E. Riggs. (Pp. 108; 100s.) J. B. Lippincott. 1970.

Drug Information for the Health Professions. Ed. I. D. Welt. (Pp. 465; 75s.) Gordon & Breach. 1970.

Cardio-vascular Surgery for Nurses and Students. William H. Bain and J. Kennedy Watt. (Pp. 174; 30s.) E. & S. Livingstone. 1970.

An Introduction to Photobiology: The Influence of Light on Life. Yves Le Grand. (Pp. 178; 50s.) Faber & Faber. 1970.

A Textbook of Pathology: Structure and Function in Disease. 8th edn. William Boyd. (Pp. 1464; 180s.) Henry Kimpton. 1970.

Theory and Practice in Experimental Bacteriology. 2nd edn. G. G. Meynell and Elinor Meynell. (Pp. 345; 75s.) Cambridge University Press. 1970.

Serendipity in St. Helena: A Genetical and Medical Study of an Isolated Community. Ian Shine. (Pp. 187; 75s.) Pergamon Press. 1970.

I.C.I.'s Research

The I.C.I. Pharmaceuticals Division has announced that it is to double its expenditure on research and development over the next five years. It states that it is the drugs invented in I.C.I.'s own laboratories which are the most successful and they account for nearly 90% of sales since 1946.

International Health Prize

The World Health Assembly of W.H.O. has awarded the Léon Bernard Foundation Medal and Prize to Sir ARCOT MUDALIAR. It is in recognition of outstanding services to social medicine and the development of international health. For many years professor of gynaecology at Madras Medical College and Vice-Chancellor of Madras University from 1942 to 1969, Sir Arcot Mudaliar has also filled every high office of the World Health Assembly and the W.H.O. Executive Board since 1948. Now aged 83, he was unable to attend the Assembly but sent a message expressing the hope that the award recognized also India's leading role in the foundation of the World Health Organization.

National Academy of Sciences

Among ten distinguished foreign scientists elected to the U.S. National Academy of Sciences are the following: Professor CHARLOTTE AUERBACH, Institute of Animal Genetics, University of Edinburgh; Dr. MAX F. PERUTZ, Laboratory for Molecular Biology, Medical Research Council, Cambridge; and Sir GEORGE W. PICKERING, Master of Pembroke College, Oxford.

Experimental Pathology Club Prize

Mr. R. A. LITTLE, of the Medical Research Council's Toxicology Unit, has been awarded the Experimental Pathology Club prize for 1970 for his essay on "The Effect of Age on the Response to Injury." This is the first time that the prize, value £50, has been awarded, and the club, which has been in existence for 14 years and is essentially a United Kingdom society, intends to make the award every two years. It will be given for an essay embodying original work on some aspect of pathogenesis by an undergraduate or graduate who is under 30 years of age, in any discipline. The honorary secretary of the club is Dr. H. B. Stoner, M.R.C. Laboratories, Woodmansterne Road, Carshalton, Surrey.

Anaesthetics Prize

The Royal Society of Medicine, Section of Anaesthetics, invites applications for a prize of £100 provided by Messrs. May and Baker Ltd. for a paper written by a senior registrar or registrar holding an appointment in anaesthesia in a department or hospital, or a doctor of similar status in the armed Forces of the Commonwealth or of the Republics of Ireland or South Africa. Further details can be obtained from the Sections Officer, Royal Society of Medicine, 1 Wimpole Street, London W1M 8AE.

Immunological Factors Prize

The Little Prize of £250 is offered for an essay on the immunological factors affecting the rejection of transplanted organs. Further details may be obtained from the Dean of the London Hospital Medical College, Turner Street, London E.1.

Coming Events

Child Health Course, Queen Mary's, Carshalton.—This course for general practitioners is to be held at Queen Mary's Hospital for Children, Carshalton, Surrey, on 27-28 June, and not 28-29 June as stated in the B.M.A. pamphlet "Courses for General Practitioners, January-July 1970."

British Thoracic and Tuberculosis Association and the Thoracic Society.—Joint meeting, 1-4 July, Lancaster University. Details from the Administrative Secretary, B.T.T.A., 59 Portland Place, London W1N 3AJ (Tel. 01-636 3810).

Westminster Hospital Summer Festival.—Music, drama, films, exhibitions, 21-27 June. Details from the Secretary, Arts Festival Organizing Committee, Westminster Medical School, London S.W.1.

"Dickens and Medicine"—Exhibition, Wellcome Institute of the History of Medicine, 183 Euston Road, London N.W.1, June-November, daily 10 a.m.-5 p.m. (excluding Sundays and bank holidays). Admission free.

"Audiovisual Learning Resources in Medical Education."—Conference, 1-3 October, Royal College of Physicians and Surgeons of Glasgow. For details see advertisement p. xx.

Intensive Courses.—The British Postgraduate Medical Federation announces details of courses to be held during September-December for general practitioners and local authority medical officers (see advertisement pp. xxii and xxiii).

Societies and Lectures

For attending lectures marked ● a fee is charged or a ticket is required. Applications should be made first to the institution concerned.

Monday, 15 June

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Combined staff consultation clinical meeting.

KINGSTON-UPON-THAMES MEDICAL CENTRE.—7.30 p.m., Discussion panel teach-in: Hiatus Hernia and Related Disorders.

ROYAL NORTHERN HOSPITAL POSTGRADUATE CENTRE, LONDON.—5.30 p.m., Clinical conference.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—2 p.m., Professor J. Lucy: Role of Lipids in Membranes; 4 p.m., Dr. L. Carlson: Normal Value for Serum Lipids; 4 p.m., Professor P. G. Hugenholtz (Rotterdam): Some Aspects of Congenital Heart Disease.

Tuesday, 16 June

BROOK GENERAL HOSPITAL, LONDON.—At Postgraduate Medical Centre, 2 p.m., Professor H. Kempe (Colorado): Battered Babies.

INSTITUTE OF DERMATOLOGY.—4.30 p.m., Dr. W. C. Noble: Introduction to Statistics.

NATIONAL BIRTHDAY TRUST FUND.—At Royal College of Obstetricians and Gynaecologists, 5 p.m., Dame Juliet Rhys-Williams memorial lecture by Miss Josephine Barnes: Happier Birthdays.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—2.45 p.m., Dr. D. Robinson: Lipoprotein Lipase; 4 p.m., Dr. L. Carlson: F.F.A. and Adipose Tissue Metabolism.

ST. CHARLES'S HOSPITAL MEDICAL CENTRE, LONDON.—8.45 p.m., Dr. R. J. Robinson: A Subject in Paediatrics.

Wednesday, 17 June

GWENT POSTGRADUATE MEDICAL CENTRE.—At Royal Gwent Hospital, Newport, Mon., 2.15 p.m., medical meeting; 2.30 p.m., Professor C. J. Dewhurst: Some Problems in Paediatric Gynaecology.

OXFORD UNIVERSITY.—At Radcliffe Infirmary, 5 p.m., Dr. G. M. Ardran, Dr. F. H. Kemp: A Function for the Tonsils and Adenoids—a Hypothesis.

ROYAL COLLEGE OF OBSTETRICIANS AND GYNAECOLOGISTS.—5.30 p.m., Postgraduate museum demonstration by Professor A. E. Claireaux: Problems in Diagnosis of Liver Disease in the Newborn.

ROYAL FREE HOSPITAL.—5.15 p.m., Professor H. K. Ibbertson (New Zealand): Functional Significance of Goitre.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—10.15 a.m., Medicine staff round; 2 p.m., Dr. D. G. Fleck: Toxoplasmosis; 2.45 p.m., Dr. June Lloyd: The Hypolipidaemias; 4 p.m., Dr. G. Mills: Structure of Lipoproteins.

WEST MIDDLESEX HOSPITAL.—1.30 p.m., Dr. N. J. O'Doherty: Neurology of the Newborn Infant; 5 p.m., Dr. M. W. McNicol: Respiratory Failure.

Thursday, 18 June

KENNEDY INSTITUTE OF RHEUMATOLOGY.—5 p.m., Dr. E. J. Holborow: Localization of Immunoglobulins in Germinal Centres.

LEEDS MEDICAL SCIENCES CLUB.—At Littlewood Hall, General Infirmary at Leeds, 7 p.m., meeting.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—9 a.m., Dr. G. Shaper: Epidemiology of Atherosclerosis; 10 a.m., Dr. C. W. Adams: Pathology of Atheroma; 11.30 a.m., Dr. J. Hampton: Platelet Metabolism and Arterial Thrombosis; 4 p.m., Dr. L. Carlson: Metabolic Abnormalities in Patients with Ischaemic Heart Disease.

ROYAL SOCIETY.—9.30 a.m., One-day discussion meeting by Professor M. G. P. Stoker, F.R.S.: Animal Viruses as Genetic Modifiers of the Cell.

ST. MARY'S HOSPITAL MEDICAL SCHOOL.—5 p.m., Mr. R. W. Taylor: Physiology of Fallopian Tube and its Clinical Applications.

Friday, 19 June

ROYAL POSTGRADUATE MEDICAL SCHOOL.—10 a.m., p.m., Lilly lecture by Professor F. J. Fenner, F.R.S. (Australia): Genetic Aspects of Viral Diseases.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—10 a.m., Surgery staff round; 11 a.m., seminar by Mr. M. J. Laurence: Backache.

Saturday, 20 June

OXFORD UNIVERSITY.—At Radcliffe Infirmary, 10.45 a.m., department of paediatrics general practice clinical meeting.

Birth

Starck.—On 31 May, 1970, at University College Hospital, to Pauline (formerly O'Brien) and Dr. Gordon Starck a sister for Andrew, Fiona and Lucy—Emma.

Notice to Authors

When original articles and letters for publication are not submitted exclusively to the *British Medical Journal* this must be stated.

Correspondence on editorial business should be addressed to the Editor, *British Medical Journal*, B.M.A. House, Tavistock Square, London WC1H 9JR. Telephone: 01-387 4499. Telegrams: *Aitiology, London W.C.1.*

Authors wanting reprints of their articles should notify the Publishing Manager, B.M.A. House, Tavistock Square, WC1H 9JR, on receipt of proofs.

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