

to the variations which occur in autonomic reflex reactions under conditions of centrally induced autonomic imbalance. Since a large part of the experimental material is published here for the first time (70 of the 101 illustrations are from unpublished investigations), and since of necessity publication in this form omits many details of experimental procedure it is difficult to judge the scientific validity of much of the work. Its general interest and implications are, however, beyond doubt, and, since the results of the physiological experiments are also presented in a summarized and easily readable form, an account of this work is available to the general reader as well as to the specialist. It is perhaps surprising that the anterior hypothalamus is accepted without discussion as a parasympathetic region, and most physiologists will also be surprised to learn that the actions of adrenomedullary secretion do not reinforce sympathetic discharges, but may, in fact, inhibit them. In the later third of the book the psychiatric and clinical implications are considered. It is suggested that the autonomic balance of normal persons and of various psychiatric patients may be determined by use of the methacholine (Funkenstein) and noradrenaline tests. The importance of considering the age of the patient when evaluating the response to methacholine is emphasized. Since hypothalamic excitability and balance are thought to vary with the emotional and mental states of the patient, it is suggested that neuropsychiatric therapy should take such factors into consideration.

This is a provocative book—in which the neuro-physiologist and psychiatrist will find much of interest. It is an account of the more recent researches, and views, of Gellhorn and his school, and will form a stimulus to many in thinking of psychiatric illness.

G. W. HARRIS.

### BACILLUS CALMETTE-GUÉRIN

*Le Souche du BCG.* By A. Frappier and M. Panisset. (Pp. 120.) Montreal: Institut de Microbiologie et d'Hygiène de l'Université. 1957.

This book embodies the views of laboratory workers who are actually engaged on the study of the biology and identification of the B.C.G. strain and of its various substrains and vaccine preparations. The large experience of the authors in this field has enabled them to provide critical comments and to weld the information into a useful review. Much of the content was discussed at a conference called by the International Union Against Tuberculosis in Geneva in 1956. Preliminary sections on the history of B.C.G. are followed by a consideration of its inherited and acquired characteristics and variations and of its stability. It is recognized now that substrains in use in different laboratories, and the vaccines produced therefrom, differ in important respects other than those due to production techniques, though this heterogeneity has not been proved to have led to major virulence. Systems of control, so that the safety, identification, and antigenicity of a B.C.G. strain or substrain can be ascertained, are discussed in later sections. The book, which has a preface by L. Nègre, of the Pasteur Institute, provides valuable reference material for laboratory workers concerned with B.C.G.

P. D'ARCY HART.

### BOOKS RECEIVED

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

*The Indian Year-Book of Medical Sciences, 1958.* Editors: M. M. Desai, M.D., F.C.P.S., F.R.F.P.S.(G.), D.T.M.&H.(Eng.), D. V. Doshi, M.R.C.P., D.T.M.&H.(Eng.), and N. H. Wadia, M.D., M.R.C.P.(Lond.). (Pp. 483+xl; illustrated. 75s.) Bombay: Current Technical Literature Co. 1958.

*Operative Surgery.* Under the general editorship of Charles Rob, M.C., M.Chir., F.R.C.S., and Rodney Smith, M.S., F.R.C.S. Progress volume, 1958. General index. (Pp. 100+vii+9+76; illustrated. 60s.) London: Butterworth and Co. 1958.

*Vore Almindelige Sygeluse og de Erhvervshæmmede.* (Need of Vocational Rehabilitation among Patients Discharged from a Danish General Hospital.) Summary and conclusions in English. By K. H. Backer. (Pp. 306.) Copenhagen: Ejnar Munksgaard. 1958.

*The Practice of Sanitation.* By E. S. Hopkins and W. H. Schulze. 3rd ed. (Pp. 487+ix; illustrated. 64s.) London: Baillière, Tindall and Cox. 1958.

*Speech and the Development of Mental Processes in the Child.* By A. R. Luria and F. Ia. Yudovich. Edited by Joan Simon. (Pp. 126. 15s.) London: Staples Press. 1959.

*Readings in Medical Care.* Edited by the Committee on Medical Care Teaching of the Association of Teachers of Preventive Medicine. (Pp. 708+xxi; illustrated. 52s.) Chapel Hill: University of North Carolina Press. London: Oxford University Press. 1959.

*The Transactions of the Hunterian Society, Vol. XVI, 1957-58.* (Pp. 227; illustrated.) London: Hunterian Society. 1959.

*A Clinical Introduction to Heart Disease.* By Crighton Bramwell, M.A., M.D., F.R.C.P. (Pp. 229; illustrated. 21s.) London: Oxford University Press. 1959.

*The Psychology of Everyday Living. How to Live with Yourself. A Simple Guide to Self-understanding.* By Dr. Eustace Chesser. (Pp. 128. 10s. 6d.) London: British Medical Association. 1959.

*The Wonder of Divine Healing. A Divine Healing Symposium.* Edited by the Rev. Dr. A. A. Jones. (Pp. 150. 12s. 6d.) Evesham, Wores: Arthur James. 1958.

*Sensorische Aphasien und Amusien auf Myeloarchitektonischer Grundlage.* Drei Vorträge. By Professor Dr. K. Kleist. (Pp. 45; illustrated. DM. 16.80.) Stuttgart: Georg Thieme. 1959.

*Planning Evaluations of Mental Health Programs. Report of the Second Meeting of the Advisory Council on Mental Health Demonstrations. Proceedings of the Thirty-fourth Annual Conference of the Milbank Memorial Fund.* (Pp. 104. \$1.) New York: Milbank Memorial Fund. 1958.

*Injuries and Surgical Diseases of the Ischium.* By Henry Milch, M.D. (Pp. 163+x; illustrated. 84s.) New York: Paul B. Hoeber, Inc. London: Pitman Medical Publishing Co. Ltd. 1958.

*Medical Department, United States Army. Preventive Medicine in World War II. Vol. IV. Communicable Diseases Transmitted Chiefly Through Respiratory and Alimentary Tracts.* Prepared and published under the direction of Major-General S. B. Hays. Editor in Chief: Colonel J. B. Coates, Jr., M.C.; Editor for Preventive Medicine: E. C. Hoff, Ph.D., M.D.; Assistant Editor: Phebe M. Hoff, M.A. (Pp. 544+xxi; illustrated. \$5.50.) Washington, D.C.: Office of the Surgeon General. 1958.

*Aspects of Health Care and Society.* (Pp. 248; illustrated.) Assen: Van Gorcum and Comp. N.V. 1959.

*Roxburgh's Common Skin Diseases.* 11th ed. Revised by Peter Borrie, M.A., M.D., M.R.C.P. (Pp. 495+xxiii; illustrated. 37s. 6d.) London: H. K. Lewis and Co. Ltd. 1959.

*Chronic Subdural Hematoma. With Particular Reference to the Diagnosis.* By Ragnar Nordlie. (Pp. 164; illustrated.) Oslo: Johan Grundt Tanum Forlag. 1958.

*Actualités Latines d'Ophthalmologie. Anesthésie, Champ Visuel, Glaucome, Méthodes d'Examen, Pathologie Médicale, Strabisme, Technique Chirurgicale.* Under the direction of W. Duque Estrada and G. E. Jayle. (Pp. 314; illustrated. 3,500 fr.) Paris: Masson et Cie. 1958.

## COMING EVENTS

**Society for General Microbiology.**—28th general meeting, April 6-8, at the Beveridge Hall, Senate House, University of London. The meeting will include a symposium on virus growth and variation. Further details from the Society, c/o Institute of Biology, 41, Queen's Gate, London, S.W.7.

**University of Sheffield.**—Course in dermatology for general practitioners from April 13 to 17 at Sheffield Royal Infirmary (see Advertisements, p. 67).

**Laboratory Animals Centre.**—Twelfth congress and symposium ("Quality in Laboratory Animals"), April 14-16, at the Royal Veterinary College, London, N.W.1. Details from the Centre, M.R.C. Laboratories, Woodmansterne Road, Carshalton, Surrey.

**Association of Surgeons of Great Britain and Ireland.**—Annual meeting, April 23-25, in London. Details from the association, 47, Lincoln's Inn Fields, London, W.C.2.

**"Problems of Adoption."**—Week-end course, April 24-26, at the Bracklesham Bay Hotel, Chichester. Details from the Institute for the Study and Treatment of Delinquency, 8, Bourdon Street, Davies Street, London, W.1.

**Royal Society of Health.**—Annual Health Congress, Harrogate, April 27 to May 1. Details from the secretary, 90, Buckingham Palace Road, London, S.W.1.

**Cremation Conference.**—The Cremation Society's conference will be held at Southsea from June 30 to July 2. Further details from the Society, 47, Nottingham Place, London, W.1.

**Corneo-plastic Conference.**—A conference on the application of plastic surgery in ophthalmology will be held at the Queen Victoria Hospital, East Grinstead, on June 26 and 27. Further details will be found at p. 67 of our advertisement columns.

## SOCIETIES AND LECTURES

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

**Monday, February 16**

**GUY'S HOSPITAL.**—5.15 p.m., endocrine demonstration by Professor C. Dent and Dr. M. Harrison: Hyperparathyroidism.  
**POSTGRADUATE MEDICAL SCHOOL OF LONDON.**—4 p.m., Guest lecture by Dr. Brian Ackner: Emotional Aspects of the Menopause.  
**ROYAL COLLEGE OF SURGEONS OF ENGLAND.**—4 p.m., Hunterian Oration by Sir Reginald Watson-Jones: Surgery is Destined to the Practice of Medicine.  
**UNIVERSITY COLLEGE LONDON: DEPARTMENT OF BIOCHEMISTRY.**—At Physiology Theatre, Gower Street, W.C., 5 p.m., public lecture by Professor A. Haddow, F.R.S.: Chemistry and Biology of Cancer—(2) Mechanisms of Malignant Change.

**Tuesday, February 17**

**BRITISH POSTGRADUATE MEDICAL FEDERATION.**—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Dr. Lynne Reid: Chronic Bronchitis and Hypersecretion of Mucus.  
**HEATHERWOOD ORTHOPAEDIC HOSPITAL.**—8.30 p.m., Mr. W. A. Alexander Law: Surgical Reconstruction of the Hip.  
**INSTITUTE OF DERMATOLOGY.**—5.30 p.m., Dr. R. G. Cochrane: Leprosy (I).  
**LONDON UNIVERSITY.**—At London Hospital Medical College, 5.30 p.m., special university lecture in pharmacology by Professor E. Bueding (Louisiana): Mechanism of Action of Schistosomicidal Agents.  
**ROYAL COLLEGE OF SURGEONS OF ENGLAND.**—5 p.m., Edridge-Green Lecture by Dr. W. A. H. Rushton: Visual Pigments in the Living Eye of Normal and Colour-blind Men.  
**ST. MARY'S HOSPITAL MEDICAL SCHOOL.**—At Wright-Fleming Institute Theatre, 5 p.m., Dr. E. M. Edwards: Genital Tuberculosis.  
**SOUTH-WEST LONDON MEDICAL SOCIETY.**—At Bolingbroke Hospital, 8.30 p.m., Dr. R. A. Zeitlin: Role of the National Blood Transfusion Service in General Practice.

**Wednesday, February 18**

**HARVEIAN SOCIETY.**—7.30 p.m., clinico-pathological meeting.  
**INSTITUTE OF DERMATOLOGY.**—5.30 p.m., Dr. J. T. Ingram: Psoriasis.  
**INSTITUTE OF DISEASES OF THE CHEST.**—5 p.m., Mr. O. S. Tubbs: Atrial Septal Defects.  
**INSTITUTE OF UROLOGY.**—4.30 for 5 p.m., Dr. R. C. B. Pugh: Testicular Tumours.  
**MIDLAND MEDICAL SOCIETY.**—At Queen Elizabeth Hospital, 8.15 p.m., clinical meeting.  
**POSTGRADUATE MEDICAL SCHOOL OF LONDON.**—2 p.m., Guest lecture by Dr. A. T. Sandison: Inflammatory Mastitis.  
**YORKSHIRE SOCIETY OF ANAESTHETISTS.**—At General Infirmary at Leeds, 8.30 p.m., Dr. A. J. Griffiths: Hypotension. The Peripheral Venous Pressure and the Veno-motor Response.

**Thursday, February 19**

**BRITISH INSTITUTE OF RADIOLOGY.**—8 p.m., subject: Radiographic Techniques used in Treatment Planning. Papers by Dr. R. S. Pointon, Dr. J. J. Stevenson, and Dr. J. K. Davidson.  
**BRITISH POSTGRADUATE MEDICAL FEDERATION.**—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Dr. R. H. Mole: Radiation as a Toxic Agent.  
**HYPNOTHERAPY GROUP.**—At Royal Society of Medicine, 8 p.m., Dr. J. Bierer: Day and Night Hospital Treatment.  
**LIVERPOOL MEDICAL INSTITUTION.**—8 p.m., pathological meeting. Dr. Keith Simpson: Pathologist's Part in C.I.D. Investigations.  
**MANCHESTER MEDICAL SOCIETY: SECTION OF ANAESTHETICS.**—At Staff House, Manchester University, 7.45 for 8 p.m., Professor W. D. M. Paton: Effects of Halothane on Autonomic Nervous Activity.  
**NORTH-WESTERN THORACIC SOCIETY.**—At Clinical Sciences Buildings, York Place, Manchester, 5 p.m., Mr. Peter Jones: Sleeve Resection for Bronchial Carcinoma; Dr. L. Liversedge: Neurological Manifestations of Bronchial Carcinoma.  
**ROYAL COLLEGE OF PHYSICIANS OF LONDON.**—5 p.m., Marc Daniels Lecture by Dr. P. J. Kerley: Mass Radiography in the Prevention of Disease. A Survey of 400,000 Boys Aged 18.  
**ROYAL COLLEGE OF SURGEONS OF ENGLAND.**—(1) 3.45 p.m., Arnott Demonstration by Dr. A. Howe: The Neurohypophysis—Review of its Structure and Function. (2) 5 p.m., Ophthalmology Lecture by Professor A. Sorsby: Retinal Aplasia—Recessive and Dominant Forms.  
**ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE.**—7.30 p.m., Professor K. R. Hill: Some Aspects of Liver Disease in the West Indies. A discussion will follow.  
**ST. ANDREWS UNIVERSITY.**—At Physiology Department Lecture Theatre, 5 p.m., Dr. J. F. Goodwin: Pulmonary Hypertension.  
**ST. GEORGE'S HOSPITAL MEDICAL SCHOOL.**—5 p.m., Dr. Desmond Curran: Psychiatry.

**Friday, February 20**

**ASSOCIATION OF CLINICAL BIOCHEMISTS.**—At Clinical Lecture Theatre, Middlesex Hospital, W., 7 p.m., meeting of Southern England and South Wales Region. Professor C. Riminaton, F.R.S.: Porphyria.  
**BRITISH TUBERCULOSIS ASSOCIATION.**—At 26, Portland Place, London, W., 5 p.m., subject: Genito-urinary Tuberculosis. (1) Mr. James Gow: Genito-urinary Tuberculosis—10 Years of Progress. (2) Mr. Howard Hanley: Conservative Surgery in Renal Tuberculosis. (3) Dr. Harwood Stevenson: Genito-urinary Tuberculosis in an Orthopaedic Hospital. Discussion to be opened by Mr. M. F. Nicholls. Members of the British Society of Genito-urinary Surgeons are invited.  
**FACULTY OF RADIOLOGISTS.**—At Royal College of Surgeons of England, 4 p.m., Radiotherapy Section meeting. Discussion: Statistical Problems which Arise in Cancer Therapy. To be opened by Professor A. Bradford Hill, Professor Robert McWhirter, and Dr. J. W. Boag.  
**INSTITUTE OF DERMATOLOGY.**—5.30 p.m., clinical demonstration by Dr. L. Forman.  
**INSTITUTE OF DISEASES OF THE CHEST.**—5 p.m., clinical demonstration by Dr. N. C. Oswald.  
**INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.**—3.30 p.m., clinical discussion for general practitioners. Mr. C. Gill-Carey: Emergencies in Throat, Nose, and Ear Practice.  
**KENT AND CANTERBURY HOSPITAL.**—8 p.m., clinical meeting.  
**LEICESTER CHRISTIAN MEDICAL ASSOCIATION.**—At Leicester Royal Infirmary, 8.45 p.m., Reverend R. de Courcy Allen: Drunks, Dimwits, and Dossers.  
**PLYMOUTH MEDICAL SOCIETY.**—At Department of Physiotherapy, Dale Road, 8.30 p.m., Physiotherapy—A Practical Demonstration of Modern Methods.  
**POSTGRADUATE MEDICAL SCHOOL OF LONDON.**—(1) 10 a.m., Guest lecture by Mr. H. Osmond-Clarke: Cervical Disk Lesions. (2) 4 p.m., Guest lecture by Dr. S. W. Stanbury: Osteomalacia.  
**ROYAL MEDICO-CHIRURGICAL SOCIETY OF GLASGOW.**—At Royal Faculty of Physicians and Surgeons of Glasgow, 8.30 p.m., Dr. T. Fraser, Mr. A. Macdougall, and Dr. J. M. Cameron: Management of the Painful Hip.

**Saturday, February 21**

**GENERAL INFIRMARY AT LEEDS.**—11 a.m., Sir Francis Walshe, F.R.S.: What We Have to Unlearn About the Anatomy and Physiology of the Nervous System.  
**NORTH OF ENGLAND OTOLARYNGOLOGICAL SOCIETY.**—At Middlesbrough, 2 p.m., 35th ordinary meeting.

## BIRTHS, MARRIAGES, AND DEATHS

## BIRTHS

**Davis.**—On February 1, 1959, to Jessamine (formerly Akhurst), M.B., B.S., D.R.C.O.G., wife of Michael K. Davis, M.B., B.S., of "St. Dominic," Manwood Avenue, Canterbury, Kent, a sister for Katharine and Andrew.  
**Hill-Smith.**—On January 21, 1959, at 61, The Drive, Hove, Sussex, to Angela, wife of Dr. Patrick Hill-Smith, a son.  
**Johnstone.**—On February 4, 1959, to Dr. and Mrs. Ian Johnstone, of Penrith, Cumberland, a son—James Mackenzie.

## DEATHS

**Campbell.**—On January 19, 1959, James Grahame Campbell, M.D., of 283, Sandbanks Road, Lilliput, Poole, Dorset, formerly of Rotherham, Yorks, aged 86.  
**Cane.**—On January 22, 1959, at the Royal Devon and Exeter Hospital, Edward Geoffrey Stayner Cane, D.S.O., M.B., B.Ch., D.P.H., Colonel, late R.A.M.C. (retired).  
**Cowan.**—On January 19, 1959, at the Manor Hospital, Bath, Som., James Cowan, M.B., B.Ch., Lieutenant-Colonel, R.A.M.C. (retired).  
**Foebes.**—On January 19, 1959, Arthur Duncan Forbes, M.B., of Nyngan, New South Wales, Australia.  
**Fort.**—On January 22, 1959, at 15, Woodlands Road, Manchester, Lancs., Charles Wainwright Fort, M.C., M.B., Ch.B.  
**Hilton.**—On January 19, 1959, in hospital, Mortimer Jacob Hilton, M.B., B.S., of 34, Ovington Court, London, S.W., aged 65.  
**Longinotto.**—On January 19, 1959, at his home, 8, Lewes Crescent, Brighton, Sussex, Michael Joseph Longinotto, M.R.C.S., L.R.C.P., late of Harley Street, London, W., aged 89.  
**Shepherd.**—On January 18, 1959, at the Royal Devon and Exeter Hospital, Hugh Michael Denne Shepherd, M.D., F.R.C.P.Ed., of 25, Barlows Road, Edgbaston, Birmingham, Warwick.