

attenuated virus. Nervous sequelae of smallpox vaccination had been known certainly since the year 1802 but the first established instance of perivenous encephalitis, now generally regarded as characteristic of the disease, dates from 1912, the case having been reported by Turnbull and McIntosh in 1926, since when a considerable literature has accumulated.

No one has devoted more time and thought to this condition than Dr. de Vries, so this monograph, based as it is on his study of 62 cases and a thorough search of the literature, is most welcome and useful. He regards "perivenous microglia encephalitis" as a clinico-pathological entity and as the characteristic histological reaction type following smallpox vaccination, although it may follow other exanthemata or even other diseases; it differs, he says, from encephalitis caused by a living agent and from the usual reaction to toxic and infectious conditions, and it does not occur under the age of 2. However, not all neurological fatalities following smallpox vaccination take this histological form, and the range of findings he describes make interesting reading and provide important food for thought.

W. H. McMENEY.

AMERICAN PRIMER

Clinical Epidemiology. By John R. Paul, M.D., Sc.D. (Pp. 291+xii; illustrated. 37s. 6d.) Chicago: University of Chicago Press. London: Cambridge University Press. 1958.

Epidemiology is a science concerned with the circumstances under which sickness occurs in a community, but for many years the term has been used in a more restricted sense as applicable only to the study of communicable diseases. Following the lead of John Ryle, who used the term "social pathology" to describe studies of the relationship of disease prevalence to social, environmental, and genetic factors, a significant minority of practising doctors now use epidemiological methods in studying the aetiologies of a wide range of non-infective diseases—e.g., cancers, hypertension, coronary thrombosis, peptic ulcer, mental disorders. British workers have been pioneers in this kind of clinical epidemiology or, to give it another name, social medicine, which, like psychiatry, is now becoming a respectable and respected medical specialty.

Professor John Paul has been one of the American apostles of the new gospel, and in this small book his purpose—in which he succeeds reasonably well—is to introduce this "new look" in epidemiology to a wider audience of doctors and students of medicine, biology, or sociology. After a brief historical review, he deals (for the most part in non-technical jargon) with the aetiological triad—the seed, the soil, and the environment (or climate), methodology including the new developments in serological surveys, and the contributions of experimental epidemiology. As examples, he has chosen four infective conditions, rheumatic fever, poliomyelitis, hepatitis, and the arthropod-borne virus infections, and one non-infective condition, coronary occlusion, and that not very up to date. This is the weakness of the book for a British audience which might have preferred more of the non-infectious examples. However, as the author remarks, it is easier to learn from the classical studies on infectious diseases, and we may hope that this American primer will interest a wider public in the methods and merits of group research in medicine.

ROBERT CRUICKSHANK.

BOOKS RECEIVED

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

Typical Gynecologic Operations. With Special Considerations of Technical Advantages. By Dr. Siegfried Tapfer. Translated by L. M. Szamek, M.D. (Pp. 81; illustrated. 72s.) Philadelphia and Montreal: J. B. Lippincott Company. London: Pitman Medical Publishing Co., Ltd. 1960.

The Kybernetics of Natural Systems. A Study in Patterns of Control. By D. and K. Stanley-Jones. (Pp. 145+xii. 42s.) London, Oxford, New York, Paris: Pergamon Press. 1960.

Nonpenetrating Injuries of the Abdomen. By Robert H. Kennedy, B.A., M.D., F.A.C.S. (Pp. 121+vii. 38s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

Hypothermia in Surgical Practice. By K. E. Cooper, M.Sc., M.B., B.S., and D. N. Ross, B.Sc., M.B., Ch.B., F.R.C.S. (Pp. 116+xi; illustrated. 18s. 6d.) London: Cassell. 1960.

Die Künstliche Insemination. By Dieter Giesen. (Pp. 49. DM. 3.80.) Trier: Paulinus-Verlag. 1960.

Neurochemistry of Epilepsy: Seizure Mechanisms and their Management. By Donald B. Tower, M.D., Ph.D. (Pp. 335+x; illustrated. 72s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

Mechanisms in Radiobiology. Edited by Maurice Errera and Arne Forssberg. Volume II: *Multicellular Organisms.* (Pp. 395+xiv; illustrated. \$13.) New York and London: Academic Press. 1960.

Demonstrations of Physical Signs in Clinical Surgery. By Hamilton Bailey, F.R.C.S.(Eng.), F.A.C.S., F.R.S.Ed. Thirteenth edition. (Pp. 928+xiv; illustrated. 75s.) Bristol: John Wright and Sons, Ltd. 1960.

Psyche und Hormon. Einführung in die Endokrine Psychosomatik, Psychoanalytische Klinik und Lehre vom Stress. By Heinrich Meng, with Charles A. Joël, Heinrich Meng, Paul Parin, Hans Selye, and Felix G. Sulman. (Pp. 486+xix; illustrated. DM. 78.) Berne and Stuttgart: Hans Hueber. 1960.

Prematurity. The Diagnosis, Care and Disorders of the Premature Infant. By Beryl Corner, M.D.(Lond.), F.R.C.P.(Lond.). (Pp. 587+xiii; illustrated. £5 5s.) London: Cassell. 1960.

Asexual Propagation and Regeneration. By M. A. Vorontsova and L. D. Liosner. Translated from the Russian by P. M. Allen. Edited by F. Billett. (Pp. 489+xxiv; illustrated. 70s.) London, Oxford, New York, Paris: Pergamon Press. 1960.

Marriage: East and West. By David and Vera Mace. (Pp. 352. 30s.) London: Macgibbon and Kee. 1960.

Diseases of the Nervous System: In Infancy, Childhood and Adolescence. By Frank R. Ford, M.D. Fourth edition. (Pp. 1,548+xvi; illustrated. £11 16s.) Oxford: Blackwell Scientific Publications. 1960.

Chemical Micromethods in Clinical Medicine. By R. H. Wilkinson, M.A., M.D. (Pp. 121+xiv; illustrated. 40s.) Oxford: Blackwell Scientific Publications. 1960.

Controlled Clinical Trials. Papers Delivered at the Conference Convened by C.I.O.M.S. Organized under the direction of Professor A. Bradford Hill, F.R.S. (Pp. 177+vii; illustrated. 20s.) Oxford: Blackwell Scientific Publications. 1960.

Carcinoma of the Thyroid Gland. A Clinical and Pathologic Study of 293 Patients at the University of California Hospital. By Stuart Lindsay, M.D. (Pp. 168+x; illustrated. 68s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

A Dictionary for Medical Secretaries. By Isabel Alice Stanton. (Pp. 175+viii. 52s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

English for the Foreign Physician. By José Murilo Martins, M.D. (Pp. 121+xi; illustrated. 46s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

The Chemical Senses in Health and Disease. By H. Kalmus, Sc.D., M.D., and S. J. Hubbard, B.Sc., Ph.D. (Pp. 95+vii; illustrated. 30s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

London School of Hygiene and Tropical Medicine.—School Association dinner, November 4, 7 for 7.30, Waldorf Hotel, Aldwych, London W.C.2. (Dinner jackets.) Tickets, 30s. each, exclusive of drinks. Guests: Sir PHILIP MANSON-BAHR and Lady MANSON-BAHR.

Association of Anaesthetists of Great Britain and Ireland.—Annual meeting, Royal College of Surgeons of England, November 4, 5. Details from the Secretary, 47 Lincoln's Inn Fields, London W.C.2.

Charité, Berlin.—The Charité will celebrate its 250th anniversary in Berlin from November 6 to 19, in connexion with the 150th anniversary of the Humboldt University. Details from Dr. DAGOBERT MÜLLER, 20–21 Schumannstrasse, Berlin N.4, Germany.

University of Montreal: Department of Psychiatry.—International symposium: "The Extrapyramidal System and Neuroleptics," November 17, 18, 19. Details from Dr. J.-M. BORDELEAU, Department of Psychiatry, University of Montreal, Montreal, Canada.

Hungarian Congress of Internal Medicine.—Budapest, November 23–26. Main subject, "Pathology of the Kidney." Details from Congress Secretariat, Second Department of Medicine, University Medical School of Budapest, VIII. Szentkirályi u. 46, Hungary.

NEW ISSUES

SPECIALIST JOURNALS AND ABSTRACTS

The journals listed below are obtainable from the Publishing Manager, B.M.A. House, Tavistock Square, London, W.C.1.

BRITISH JOURNAL OF OPHTHALMOLOGY

Drainage Channels in the Trabecular Wall of Schlemm's Canal. J. S. Speakman.
Error and Discovery in Fundus Disease. I. C. Michaelson.
Toxoplasmosis: Serological Studies in Patients with Chorio-retinitis in Nigeria. H. A. Iverson, M. D. Hursh, and A. Lewis.
Non-Traumatic Dialysis in the Young. M. E. Cameron.
A Survey of Patients Using Spectacle Magnifiers. G. S. Willetts.
Orbital Angioma Diagnosed by Phlebography. H. E. Hobbs, G. du Boulay, and R. E. Davis.
Peritoneal Graft in Extremely Retracted Conjunctival Sac. S. Erbakan.
Segmental Lesions of the Retinal Arteries. R. K. Blach.
Myxoedema with Enophthalmos. R. J. Schen.
Meningocele of the Optic Disc. P. Wright.
Ocular Complications in Molluscum Contagiosum. S. P. Mathur.
Unilateral Corectopia. S. P. Mathur.
Correspondence.
Notes.

Volume 44, No. 9. (Monthly; £6 annually. With *Ophthalmic Literature* and Index, £9.)

BRITISH JOURNAL OF PREVENTIVE AND SOCIAL MEDICINE

Observer Error and Variation in the Interpretation of Electrocardiograms in an Epidemiological Study of Coronary Heart Disease. R. M. Acheson.
Climate, Air Pollution, and Mortality. F. C. Stallybrass.
Anencephaly in Uniovular Twins. F. C. Stallybrass.
Mortality from Cerebrovascular Accidents and Hypertension in the Republic of Ireland. R. M. Acheson.
Society for Social Medicine.

Volume 14, No. 3. (Quarterly; £3 annually.)

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, October 17

● **HUNTERIAN SOCIETY.**—At Talbot Restaurant, London Wall, E.C., 7 for 7.30 p.m., dinner-meeting. Presidential address by Dr. Gordon B. Mitchell-Heggs: Skin Deep.
POSTGRADUATE MEDICAL SCHOOL.—4 p.m., Dr. John Marshall: Present Status of Therapy in Cerebrovascular Disease.
ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Erasmus Wilson Demonstration by Dr. A. R. Currie: Modern Aspects of Thyroid Pathology.

Tuesday, October 18

LEEDS NEUROLOGICAL SCIENCES COLLOQUIUM, 1960.—At Littlewood Hall, General Infirmary at Leeds, 5.15 p.m., Dr. J. D. Spillance: New Dimensions in Neurology.
ROYAL ARMY MEDICAL COLLEGE.—5 p.m., Dr. J. D. S. Cameron: Some Aspects of Hepatic Disease.
ST. MARY'S HOSPITAL MEDICAL SCHOOL.—At Lecture Theatre, Wright-Fleming Institute, 5 p.m., Dr. G. Mitchell-Heggs: Pruritus Vulvae.
SOCIETY FOR THE STUDY OF ADDICTION.—At 11 Chandos Street, London W., 8 p.m., Dr. Abraham Wilker (Kentucky, U.S.A.): Nature of Addiction and Habituation.
UNIVERSITY COLLEGE LONDON.—At Anatomy Theatre, Gower Street, W.C., 1.15 p.m., Dr. H. Kalmus: Biology of Fighting.
WEST END HOSPITAL FOR NEUROLOGY AND NEUROSURGERY.—5.30 p.m., Dr. G. A. D. Gordon: Stereotaxis.

Wednesday, October 19

BRITISH GERIATRICS SOCIETY: SOUTH WALES GROUP.—At Welsh Regional Hospital Board, Temple of Peace and Health, Cathays Park, Cardiff, 8 p.m., open meeting, Dr. J. H. Sheldon: Falls and the Elderly.
CAMBRIDGE MEDICAL SOCIETY.—At Owen Webb House, 1 Gresham Road, Cambridge, 8.30 p.m., B.M.A. Lecture by Dr. L. S. Penrose, F.R.S.: Mongolism.
HARVEIAN SOCIETY OF LONDON.—At Medical Society of London, 8.15 p.m., Dr. John Marshall, Dr. R. A. Beaver, and Dr. J. B. L. Howell: Symposium on Management of Respiratory Emergencies.
INSTITUTE OF DERMATOLOGY.—5.30 p.m., Dr. A. Tinkner: Biochemistry of Skin Diseases.
INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Dr. V. H. Springett: Tuberculosis Epidemiology and Methods of Control.
INSTITUTE OF UROLOGY.—At 10 Henrietta Street, London W.C., 4.30 for 5 p.m., Dr. A. H. Harkness: Non-gonococcal Urethritis.
● **LEEDS UNIVERSITY.**—At General Infirmary at Leeds, (1) 5 p.m., Mr. H. Agar: Irregular Bleeding at Climacteric. (2) 6 p.m., Mr. G. W. Theobald: Significance of Antenatal Clinics and Antenatal Beds.
LONDON ASSOCIATION OF THE MEDICAL WOMEN'S FEDERATION.—At Royal Free Hospital School of Medicine, 8 for 8.30 p.m., talk by Mrs. Monica Jackson on her experiences with the Women's Expedition to the Himalayas, illustrated with colour photographs.
● **MIDLAND MEDICAL SOCIETY.**—At Birmingham Medical Institute, 7 for 7.30 p.m., annual dinner 8.45 p.m., address by Professor M. Stacey, F.R.S.: Alchemy—Ancient and Modern.
POSTGRADUATE MEDICAL SCHOOL.—2 p.m., Dr. K. Lowe: Tests of Renal Function.
ROYAL COLLEGE OF SURGEONS OF EDINBURGH.—3.30 p.m., Mr. Eric Samuel: Mechanical Syndromes following Partial Gastrectomy.
ROYAL INSTITUTE OF PUBLIC HEALTH AND HYGIENE.—5 p.m., Bengue Memorial Award Lecture by Dr. W. A. R. Thomson: Doctors, Drugs, and Diseases.
SOCIETY OF APOTHECARIES OF LONDON.—5.30 p.m., Joseph Strickland Goodall Memorial Lecture by Mr T. Holmes Sellors: The Evolution of Intracardiac Surgery.
WILLESDEN GENERAL HOSPITAL MEDICAL SOCIETY.—At Department of Physical Medicine, Willesden General Hospital, 8.30 p.m., Dr. Frances Gardner: The Management of Hypertension.

Thursday, October 20

BRITISH INSTITUTE OF RADIOLOGY.—8 p.m., ordinary meeting, followed by Presidential Address by Dr. J. W. D. Bull: History of Neuroradiology.
BRITISH POSTGRADUATE MEDICAL FEDERATION.—At Senate House, 5.30 p.m., Professor C. H. Waddington: Significance of Developmental Biology.
GUTHRIE SOCIETY.—At Westminster Medical School, 8 p.m., Dr. W. D. Hoskins: Development of the English House.
LIVERPOOL MEDICAL INSTITUTION.—Pathological meeting. Professor D. H. Collins: Dysplasias and False Tumours of Bone.
MANCHESTER MEDICAL SOCIETY: SECTION OF ANAESTHETICS.—At Staff House, Manchester University, 7.45 for 8 p.m., Presidential Address by Dr. J. Sneddon.
ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Moynihan Lecture by Professor J. F. Nuboor: Recurrent Peptic Ulcer after Gastrectomy.
ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE.—7.30 p.m., film show by Dr. Telford Work: Kyasanur Forest Disease in India.
ST. GEORGE'S HOSPITAL MEDICAL SCHOOL.—5 p.m., Sir Paul Mallinson: postgraduate demonstration in psychiatry.

Friday, October 21

● **INSTITUTE OF DERMATOLOGY.**—5.30 p.m., Dr. C. D. Calnan: clinical demonstration.
INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Dr. J. Smart: clinical demonstration.
INSTITUTE OF LARYNGOLOGY AND OTOLGY.—3.30 p.m., clinical discussion for general practitioners. Miss E. Whennall: The Deaf Child.
KENT AND CANTERBURY HOSPITAL.—8 p.m., clinical meeting.
MANCHESTER MEDICAL SOCIETY: SECTION OF GENERAL PRACTICE.—At Large Anatomy Theatre, Medical School, Manchester University, 8.30 for 9 p.m., Dr. M. Balint: Examination by the Patient.
POSTGRADUATE MEDICAL SCHOOL.—(1) 10 a.m., Dr. B. G. B. Lucas: Physiological Aspects of Anaesthesia. (2) 4 p.m., Dr. J. F. Goodwin: Cardiomypathy.
ROYAL SOCIETY OF HEALTH.—At Council House, Bristol, 10 a.m., symposium by Dr. P. W. Bothwell, Dr. A. McDiarmid, Ph.D., D.Sc., M.R.C.V.S., and Dr. J. F. Skone: Recent Studies of Human and Animal Brucellosis: Prospects for its Control in the United Kingdom.

Saturday, October 22

BIOCHEMICAL SOCIETY.—At National Institute for Medical Research, Mill Hill, London N.W., 10.25 a.m., 399th meeting.

BIRTHS, MARRIAGES, AND DEATHS

BIRTHS

Hudson.—On October 1, 1960, at Park House Nursing Home, Liverpool, to Dr. and Mrs. Donald C. Hudson, Beechwood, Ruff Lane, Ormskirk, Lancs, a son.
Wisdom.—On September 22, 1960, at 3 Woodstock Road, Strood, Kent, to Drs. Charlotte (formerly Hartstein) and Anthony Wisdom, a third child—Michael Paul Nicholas.

DEATHS

Ferguson.—On September 22, 1960, at Studland Bay, Montgomery Du Bois Ferguson, O.B.E., M.D., D.P.H., of Farnham, Surrey, late of York.
Grant.—On September 16, 1960, at Dykesfield House, Burgh-by-Sands, Carlisle, Cumberland, George Osmond Grant, M.B., Ch.B.
Hunter.—On September 23, 1960, Mark Oliver Hunter, M.R.C.S., L.R.C.P., of 5 Chester Gate, Regent's Park, London N.W., aged 87.
MacIntyre.—On September 23, 1960, at his daughter's home, Carshalton Beeches, Surrey, Eneas John MacIntyre, M.D., D.P.H., of Rustington, Sussex, formerly of Cheam, Surrey, aged 62.
Moffett.—On September 23, 1960, in Birmingham, Warwicks, Elizabeth Jane Moffett, M.D., aged 93.
Phillips.—On September 16, 1960, at 108 Grosvenor Square, Rondebosch, South Africa, John Alfred Steele Phillips, C.I.E., L.R.C.P.S.Ed., L.R.F.P.S., D.P.H., Colonel, I.M.S., retired, late of Fowey, Cornwall, aged 77.
Read.—On September 22, 1960, at Exeter City Hospital, William Dunstan Boileau Read, B.M., B.Ch., Lieutenant-Colonel, I.M.S., retired.