

the final chapter, where the results of scanning are compared with those using various radiographic techniques.

E. S. WILLIAMS.

Headache

The Mechanism and Management of Headache. By James W. Lance, M.D., F.R.A.C.P. (Pp. 167+xii; illustrated. 45s.) London: Butterworths. 1970.

This excellent little book summarizes with admirable clarity all that is now known about the cause, diagnosis, and treatment of headache.

Many of the tables and diagrams are especially valuable for the general practitioner. The illustrations, many in colour, are excellent. The only fault I can find with this book is that after stating correctly that in 60% of female sufferers attacks of migraine are related to the menstrual cycle, Dr. Lance deals with the endocrine aspect of the subject rather superficially in a page and a half.

The excellence otherwise is adequate compensation.

RAYMOND GREENE.

Textbook of Pharmacology

Essentials of Pharmacology. A Textbook for Students. Edited by John A. Bevan, B.Sc., M.B. (Pp. 709+xiii; illustrated. \$16.50.) New York: Harper & Row. 1969.

Students will appreciate the exceptional clarity of the layout of this textbook. A comprehensive treatment of the subject is provided.

An unusually large proportion of the space has been devoted to the chemotherapy of infections and neoplasia. With the exception of the chapter on absorption, distribution, and metabolism of drugs, which is too condensed, the content of the section on general pharmacology is probably adequate. In the section on systematic pharmacology, some of the explanations are so brief that they may confuse rather than enlighten the reader, and others—for example, mechanism of action of the cardiac glycosides—are unsatisfactory.

Throughout the text, adverse reactions to drugs are stressed. References to these effects are presented in a novel way. Special

figures, printed in red, show at a glance the systems of the body most commonly and most extensively involved. Surprisingly, mechanisms for these undesirable responses are not always fully discussed. There are also tables listing the ways in which drugs influence many laboratory tests and the more important physico-chemical drug incompatibilities.

These useful features are likely to be of interest to many readers. However, in view of the excellence of cheaper British texts this book may not have an extensive readership.

GORDON M. LEES.

Rubbish Dump Life

Ecology of Refuse Tips. By Arnold Darlington, M.A. (Pp. 138+xii; illustrated. 25s.) London: Heinemann. 1969.

Refuse tips form an integral part of our environment, and are normally taken for granted unless they are causing some nuisance. In recent years tipping of domestic and industrial refuse has been extensively practised in this country, although at present public health engineers are exploring other forms of refuse disposal. The main reason for this is that suitable tipping sites for land-fill or land reclamation are becoming fewer and less accessible. Therefore it is timely that this unusual book has been written describing in detail the ecology of refuse tips.

After briefly describing how refuse is collected the approved method of controlled tipping or sanitary land-fill is described. The author then explains the soil profiles of tipping sites, as this has a considerable effect on the flora and fauna which gradually colonize the tip—the common plants which appear; the lower forms of animal life, some which spread from the surrounding terrain, but others, like the house cricket and the cockroaches, are brought in the refuse. There is a particularly interesting chapter on the bird life, and the effects of tips on bird life. The explanation of that common sight of sea-birds frequenting inland tips is particularly informative. The final chapter deals with the ecology of the domestic refuse heap, which will be of interest to gardeners. One novel feature in this book is contained in the references given at the end of each chapter. A brief description of the relevance of the reference book to the text is included.

This small volume deals in an interesting

way with an essential part of our environment, which from time to time can give rise to allegations of being the cause of the spread of infection.

ANDREW B. SEMPLÉ.

Aches and Pains in Prehistory

Palaeopathology. Diseases and Injuries of Prehistoric Man. By Paul A. Janssens. (Pp. 170+xiii; illustrated. 55s.) London: John Baker. 1970.

The literature of palaeopathology is widely scattered and often not easily accessible, so there is plenty of scope for general accounts of the subject. Dr. Janssens is an experienced physician who excavates as an official archaeologist of the Belgian State Archaeological Service, and from this double qualification the value of his book derives.

It is essentially a work for a variety of academics and interested laymen seeking a broad outline of what can be learned from ancient lesions in bones and mummies, or from representations of disease in prehistoric art. It deals concisely with Stone Age wounds and weapons, with fractures, arthritis, deficiency diseases, tumours, infections, and dental pathology. But the aim of the book is to review these subjects in the light of what is implied by disease and how it is influenced by climate, economy, or environment. Other chapters deal with trephination, the length of life in early populations, and ancient therapy.

If this short work tells specialists few facts they do not already know, it will refresh and stimulate their ideas. Dr. Janssens's strength is to find new slants on old material, as when he discusses the palaeolithic imprints of fingerless hands in the cave of Gargas or, provocatively, moves the famous decapitated Ofnet skulls from the mesolithic to the neolithic period, on the evidence of their pattern of vault injury. Sometimes he hits the jackpot, as when he infers death from air embolism during a self-induced abortion from his examination of the remains of a young second-century Gallo-Roman woman.

Any worth-while book about palaeopathology should make us feel the ache in the bones of ancient hunters, the throb and fever of prehistoric flesh. It is the merit of Dr. Janssens's most elegantly produced book that it achieves just this.

CALVIN WELLS.

Books Received

Books noticed here may be reviewed later

The Optimum Population for Britain. Proceedings of a Symposium held at the Royal Geographical Society, September 1969. Ed. L. R. Taylor. (Pp. 182; 35s.) Academic Press. 1970.

Antimicrobial Agents and Chemotherapy-1968. Proceedings of 8th Interscience Conference. New York. October 1968. Ed. Gladys L. Hobby. (Pp. 556; 140s.) E. & S. Livingstone. 1970.

Manual of Clinical Microbiology. Ed. John E. Blair *et al.* (Pp. 727; 65s. Paperback.) E. & S. Livingstone. 1970.

Cancer of the Digestive Tract: Clinical Management. Ed. Tilden C. Everson and Warren H. Cole. (Pp. 380; 64s.) Butterworths. 1970.

Organization and Control in Prokaryotic and Eukaryotic Cells. 20th Symposium held at Imperial College London April 1970. Ed. H. P. Charles and B. C. J. G. Knight. (Pp. 457; 100s.) Cambridge University Press. 1970.

Pediatric Surgery. 3rd. edn. Vols. 1 & 2. Ed. Orvar Swenson. (Pp. 1417; 400s. Set.) Butterworths. 1970.

International Review of Experimental Pathology. Vol. 8. Ed. G. W. Richter and M. A. Epstein. (Pp. 291; \$17.50.) Academic Press. 1970.

Electronic Measurement Techniques in Anaesthesia and Surgery. D. W. Hill. (Pp. 358; 78s.) Butterworths. 1970.

Current Topics in Surgical Research. Vol. 1. Ed. G. D. Zuidema and D. B. Skinner. (Pp. 518; \$21.00.) Academic Press. 1970.

Microsurgery: Applied to Neurosurgery. M. G. Yasargil. (Pp. 230; \$13.50.) Academic Press. 1970.

Venography of the Inferior Vena Cava and its Branches. Ernest J. Ferris *et al.* (Pp. 229; 150s.) E. & S. Livingstone. 1970.

Ophthalmic Genetics. 2nd edn. Arnold Sorsby. (Pp. 269; 110s.) Butterworths. 1970.

People in the News

Professor W. W. HOLLAND, Department of Clinical Epidemiology and Social Medicine, St. Thomas's Hospital Medical School has been elected to the Society of Scholars at Johns Hopkins University, Baltimore, in recognition of his research on the effects of chronic bronchitis in children.

Dr. R. W. D. TURNER has been elected an honorary member of the Cardiological Society of India and of the Pakistan Cardiac Society.

Dr. R. I. S. BAYLISS has been appointed a Physician to the Queen, in the room of Dr. W. N. MANN, resigned.

Dr. J. C. BATTEN has been appointed a Physician to Her Majesty's Household, in the room of Dr. R. I. S. BAYLISS.

Coming Events

Stoke Mandeville Hospital.—Details of lectures and meetings to be held on Wednesdays, April-May, are obtainable from the Secretary of the Hospital, Mandeville Road, Aylesbury, Bucks. (Tel. Aylesbury 5050.)

Southampton Postgraduate Medical Federation.—Copies of the programme for April-July are obtainable from the Secretary, Postgraduate Medical Centre, Southampton General Hospital, Southampton SO9 4XY.

West Middlesex Hospital.—M.R.C.O.G. part-time course, Tuesdays, 14 April-19 May, 9.30 a.m.-6.30 p.m. Fee £12 12s. Details from Course Secretary, Department of Obstetrics and Gynaecology, West Middlesex Hospital, Isleworth, Middx. (Tel. 01-560 2121, extn. 275.)

2nd European Conference on Medical Records.—27 April-1 May, The Hague, Netherlands. Details from Mr. R. W. Howell, 108 Brooksby Road, Tilehurst, Reading, Berks. (Tel. 01-262 8011, extn. 118, Mr. B. Bonner).

Salford University Postgraduate Medical Institute.—(1) "Advanced Medicine and Clinical Pathology," a residential course intended for M.R.C.P. candidates, 11-16 May; (2) one-day symposium, "Technology and Health Services," 2 May; (3) course in "Paediatrics," 4 May-13 July, Mondays, 7.30 p.m., ten weekly sessions intended for paediatricians preparing for higher qualifications. Fee £12. Details from the Administrative Assistant, Room 111J, Salford University, Salford M5 4WT, Lancs. (Tel. 061-736 5843, extn. 449).

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, 13 April

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

ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5.15 p.m., Mr. A. G. Apley: Diagnosis and Management of Fractures around the Elbow Joint; 6.30 p.m., Mr. J. Alexander Williams: Metabolic Effects of Gastric Surgery.●

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

Tuesday, 14 April

INSTITUTE OF OBSTETRICS AND GYNAECOLOGY.—At Hammersmith Hospital, 2 p.m., Dr. E. W. Lillie:

Problem of High Parity; 3 p.m., Professor W. J. Hamilton: Early Development of Implanted Ovum and its Significance. (Admission by ticket only, obtainable from Secretary, Institute of Obstetrics and Gynaecology, Chelsea Hospital for Women, London S.W.)●

LONDON MEDICAL GROUP.—At Charing Cross Hospital Medical School, 5.45 p.m., Dr. D. M. Potts: Moral Responsibilities in Family Planning.

ROYAL COLLEGE OF GENERAL PRACTITIONERS: SOUTH LONDON FACULTY.—At Westminster Hospital, 8.15 p.m., Dr. R. I. S. Bayliss: Hypertension.

SOCIETY FOR THE STUDY OF ADDICTION.—At Botany Theatre, University College, London W.C.1, 8 p.m., Mr. J. Orford: Drinking Practices and Attitudes of Young People.

WEST MIDDLESEX HOSPITAL.—4 p.m., Mr. S. Campbell: Ultrasound in Obstetrics.

Wednesday, 15 April

GWENT POSTGRADUATE MEDICAL CENTRE.—At Royal Gwent Hospital, Newport, Mon., 2.15 p.m., gynaecology and obstetrics meeting; 2.15 p.m., medical meeting.

INSTITUTE OF NEUROLOGY.—5.30 p.m., Professor J. E. Desmedt (Brussels): Maturation of Cerebral Potentials Evoked by Sensory Stimulation in Man.

INSTITUTE OF OBSTETRICS AND GYNAECOLOGY.—At Chelsea Hospital for Women, 11.15 a.m., Dr. I. B. Sneddon, Dr. H. J. Wallace: Vulva Dys-trophies. (Admission by ticket only, obtainable from Secretary, Institute of Obstetrics and Gynaecology, Chelsea Hospital for Women, London S.W.)●

INSTITUTE OF PSYCHIATRY.—5.30 p.m., Professor A. H. Crisp: Anorexia Nervosa.

ROYAL COLLEGE OF OBSTETRICIANS AND GYNAECOLOGISTS.—5.30 p.m., postgraduate museum demonstration by Dr. Claud Taylor: Ovarian Tumours.

ROYAL FREE HOSPITAL.—5.15 p.m., Dr. E. Farber (U.S.A.): Biochemical Approaches to Liver Cell Injury.

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE: EDINBURGH BRANCH.—At Pfizer Foundation, Hill Square, 7.45 p.m., Dr. B. I. Davies: Cholera—past and present.

Thursday, 16 April

ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE.—At 26 Portland Place, London W.1, 10.15 a.m., jointly with Nutrition Society, one-day symposium: Nutritional Problems in the Tropics. LONDON JEWISH HOSPITAL MEDICAL SOCIETY.—At 11 Chandos Street, London W.1, 8.15 p.m., Dr. C. Rose: Speech Disorders in Childhood.

LONDON MEDICAL GROUP.—At St. Bartholomew's Hospital Medical College, 5.45 p.m., Dr. P. S. Byrne: Attitudes in General Practice.

NUTRITION SOCIETY.—At Royal Society of Tropical Medicine and Hygiene, 10.45 a.m., joint symposium: Nutritional Problems in the Tropics.

ROYAL COLLEGE OF GENERAL PRACTITIONERS: NORTH-EAST ENGLAND FACULTY.—At Royal Victoria Infirmary, Newcastle upon Tyne, 8.15 p.m., joint meeting with Medico-Legal Society: Euthanasia.

ROYAL NORTHERN HOSPITAL POSTGRADUATE CENTRE, LONDON.—8.30 p.m., Dr. G. Crile (Cleveland): Some New Slants on Old Problems—the Role of Concomitant Immunity in the Prevention of Metastatic Cancer.

Friday, 17 April

CORNWALL CLINICAL SOCIETY.—At Royal Cornwall Hospital, Truro, 8.30 p.m., B.M.A. lecture by Mr. N. C. Tanner: The Late Results of Operations for Peptic Ulcer.

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Mr. G. Qvist: Surgical Management of various Lung Lesions.

KINGSTON UPON THAMES MEDICAL CENTRE.—12.30 p.m., Mr. J. Greenhalf: The Epidemiology of Abortion.●

ROYAL POSTGRADUATE MEDICAL SCHOOL.—10 a.m., Staff round; 11 a.m., seminar on Antibiotics in Surgery.

Saturday, 18 April

PRINCESS ALEXANDRA HOSPITAL.—At Harlow, Essex, 2 p.m., symposium: Advance in Osteoarthritis.

ROYAL NORTHERN HOSPITAL POSTGRADUATE CENTRE, LONDON.—10.30 a.m., Therapeutics by Dr. V. Bhavalkar: Treatment of Common Fractures.

Sunday, 19 April

EDGWARE POSTGRADUATE MEDICAL SOCIETY.—At Edgware General Hospital, 10.15 a.m., film: Ischaemic Lower Limb; 11 a.m., Mr. J. A. Fox: Peripheral Vascular Degeneration in the Elderly.

Universities and Colleges

LEEDS

Dr. Verna Wright has been awarded a personal chair in rheumatology. He is at present senior lecturer in the department of medicine and is also consultant physician in rheumatology at the General Infirmary at Leeds.

ROYAL COLLEGE OF OBSTETRICIANS
AND GYNAECOLOGISTS

At a meeting of the Council of the College held on 21 March, the following were awarded William and Florence Blair-Bell memorial fellowships:

D. R. Abramovich (University of Liverpool); W. H. Chan (Queens University, Belfast).

The following were awarded I.C.I. research fellowships:

Professor I. MacGillivray (University of Aberdeen); Mr. R. R. MacDonald (University of Leeds); Mr. K. John Dennis (University of Aberdeen).

The following were admitted to the Membership of the College *in absentia*:

M. M. Abu-Lughod, R. N. Bandyopadhyay, D. A. Chiswell, E. A. Goeller, Rajee Srikrishnan Iyer, Jaya Narendra, A. Stein.

ROYAL COLLEGE OF PHYSICIANS AND
SURGEONS OF GLASGOW

At a ceremony held on 31 March the Honorary Fellowship of the College was conferred upon the following:

P. J. Kenny, M.B., M.S., F.R.C.S., F.R.A.C.S., president, Royal Australasian College of Surgeons; J. H. Louw, M.B., Ch.M., F.R.C.S., F.A.C.S., president, College of Physicians, Surgeons and Gynaecologists of South Africa; R. B. Salter, M.S., F.R.C.S.(C.), F.A.C.S., senior vice-president, Royal College of Physicians and Surgeons of Canada.

ROYAL COLLEGE OF PHYSICIANS
OF IRELAND

At a meeting of the College held on 6 March, with the president, Dr. David M. Mitchell, in the chair, the following were admitted to the Membership:

J. Eravelly, Kah Lin Khoo, J. R. Marshall, A. Sater Mitha, Abdur-Razzaque Siddiqui.

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 W.C.1. Telephone: 01-387 4499. Telegrams: *Aitology, London W.C.1.*

Authors wanting reprints of their articles should notify the Publishing Manager, B.M.A. House, Tavistock Square, W.C.1, on receipt of proofs.

Subscriptions

Members' subscriptions should be sent to the Secretary of the British Medical Association, B.M.A. House, London, or to the Scottish Secretary, B.M.A. Scottish Office, Drumsheugh Gardens, Edinburgh.

Doctors who are not members of the B.M.A. can subscribe to the *B.M.J.* The rates for doctors resident in the United Kingdom and abroad are given on the first page of the classified advertisements. These include the rate for the *North American "Air Express,"* which is available to both members and non-members of the B.M.A.

Classified Advertisements

Doctors Abroad.—Copies of the appointment vacancies advertised in the *B.M.J.* can be sent by airmail on request. Members' rate: the minimum cost is 40s. for six weeks' supply, for which copies of vacancies in up to five sections of the classified advertisements will be sent. Non-members' rate 60s. minimum for six weeks' supply of five headings or less. Additional headings (for members and non-members) 10s. each for six weeks' supply. Orders for specific grades in any section cannot be accepted. Payment must be prepaid and enclosed with the application.

Details of rates, etc., for classified advertisements appear on the first page of the classified section.