

nervous system is more susceptible to the harmful effects of irradiation than other tissues, while at other stages of development the incidence of radiation-induced malignancies of the nervous system can be of the same order as that of haematopoietic tissues and the thyroid.

Development of adequate techniques for culturing human cells and particularly lymphocytes in vitro over the past few years, together with refinements of cytological techniques, have enabled rapid

progress to be made in human cytogenetics. The third part of the present report is an up-to-date review of studies on radiation-induced chromosome aberrations in human cells. After considering the types of aberrations and their classification, methods of studying radiation-induced chromosome aberrations and reasons why results from various laboratories were initially so different are discussed. Two important points have been given detailed consideration: firstly, the possible biological significance of aberrations

and, secondly, the relationship between aberration yield and dose of radiation. As this relationship is quantitative and since the frequency of aberrations is significantly increased after doses as low as 10 rads, this method might be developed through more research into an adequate system of biological dosimetry.

This volume should be obligatory reading for all who are concerned with the subjects it contains.

V. ŠLJIVIĆ

Normality, Stress, and Treatment

Essential Principles of Psychiatry. Sidney Crown, D.P.M. (Pp. 297; 60s.) Pitman. 1970.

An interesting feature of this addition to the shorter texts on psychiatry is the attempt to bridge the gap between the normal and the abnormal and to introduce concepts derived from individual and social psychology. The author, who is both a psychiatric consultant and a trained clinical psychologist, is well-qualified to do this. He considers there are five "principles": genetic, psychological, psychoanalytical, descriptive, and social, and he applies them in turn to the study of normality and stress, to the different forms

of psychiatric illness, and to treatment.

Perhaps what emerges most clearly, however, is the size of the task that remains to be done. Normal psychology still does not seem to be able to help much in understanding the major disorders, while human relationships—the concern of social psychology—are notoriously difficult to study objectively. Social (and psychological) consequences of illness ought to be distinguished as clearly as possible from presumed causes. Some sections, such as the one on social aspects of normality, are rather thin, while to claim that the biases and errors of psychiatrists' subjective judgments "cannot be overstressed" seems to

place the baby in danger of being thrown out with the bath water. If psychiatric judgments were all that unreliable much of this book would hardly have been worth writing.

Nevertheless, the author deserves to be congratulated for a brave and in some ways original venture. It will probably appeal more to the sophisticated than to the student, who wants a straightforward introduction to psychiatry, though the common syndromes and their treatments are adequately described. The references are carefully chosen and show, incidentally, what a useful library of psychiatric work is available in paperbacks.

D. W. KAY

Understanding Genetics

Modern Trends in Human Genetics. Ed. Alan E. H. Emery. (Pp. 379; 95s.) Butterworths. 1970.

Volumes containing collections of reviews on various aspects of human genetics have of late been appearing with increasing frequency. This is due in part to the rapid progress made in the past 20 years in our knowledge of the genetic code, and corre-

spondingly of the inherited variations of the structure and activity of the various proteins and enzymes the information for which resides in the DNA of the gene. In addition this basic knowledge is now increasingly applicable to problems of disease, so that an understanding of human genetics is no longer a quaint hobby for the physician in practice, but an essential part of his education.

The present volume includes chapters on the regulation of protein synthesis, enzyme polymorphisms, cell culture, mapping of the X chromosome, antenatal diagnosis, the prevention of Rh haemolytic disease, congenital malformations, and genetic counselling with the ascertainment of those at risk. All the chapters have some direct relevance to clinical medicine, and the book can be unreservedly recommended to those in practice.

R. T. C. PRATT

BOOKS RECEIVED

Books noticed here may be reviewed later

Technique des Plâtres et Corsets de Scolioses. Marc Ollier. (Pp 130; 48F.) Masson et Cie. 1971.

Fluid Therapy and Disorders of Electrolyte Balance. 2nd edn. W. H. Taylor. (Pp. 179; 30s.) Blackwell Scientific. 1970.

Early Experience and Visual Information Processing in Perceptual and Reading Disorders. Ed. Francis A. Young and Donald B. Lindsley. (Pp. 533; \$9.95.) National Academy of Sciences. 1970.

The Pathology of Trauma. A Symposium held by the Royal College of Pathologists, February 1970. Ed. S. Sevitt and H. B. Stoner. (Pp. 214; 40s.) British Medical Association. 1970

Biologic Relativity. E. R. N. Grigg, M.D. (Pp. 257; \$9.50.) Amaranth Books. 1967.

The Management of Geriatric Cardiovascular Disease. Raymond Harris, M.D. (Pp. 306; No price.) J. B. Lippincott Company. 1970.

Ventilation/Blood Flow and Gas Exchange. 2nd edn. J. B. West. (Pp. 117; 30s.) Blackwell Scientific. 1970.

Magical Medicine: A Nigerian Case-Study. Una Maclean. (Pp 167; 50s.) Allen Lane, Penguin Press. 1971.

Nucleoside Antibiotics. Robert J. Suhadolnik. (Pp. 442; 215s.) John Wiley & Sons. 1971.

The Family and its Future. A Ciba Foundation Symposium. Ed. Katherine Elliott. (Pp. 230; 60s.) J. & A. Churchill. 1970

The Sexes. Donald E Carr. (Pp. 252; 36s.) William Heinemann. 1971.

Management of the Unconscious Patient. E. R. Hitchcock and A. H. B. Masson. (Pp. 136; 20s.) Blackwell Scientific Publications. 1970.

Basic Physics in Radiology. L. A. W. Kemp and R. Oliver. (Pp. 243; 50s.) Blackwell Scientific Publications. 1970.

The Basic Neurology of Speech. Michael L. E. Espir and F. Clifford Rose. (Pp. 134; 40s.) Blackwell Scientific Publications. 1970.

Current Pediatric Diagnosis and Treatment. C. Henry Kempe, M.D., Henry K. Silver, M.D., and Donough O'Brien, M.D., F.R.C.P.Ed. (Pp. 883; \$11.00.) Blackwell Scientific Publications. 1970.

Oto-Rhino-Laryngology: Proceedings of the Ninth International Congress, Mexico, D.F. 1969. Ed. A. Bustamente Gurria. (Pp. 880; 140s.) Excerpta Medica. 1970.

A Place Like Home. W. David Wills. (Pp. 136; 35s.) George Allen & Unwin. 1970.

Acute Barbiturate Poisoning. Ed. Henry Matthew. (Pp. 381; \$23.50.) Excerpta Medica Foundation. 1971.

Scientific Foundations of Anaesthesia. Ed. Cyril Scurr, M.V.O., F.F.A.R.C.S., and Stanley Feldman, F.F.A.R.C.S. (Pp. 456; 150s.) William Heinemann Medical Books. 1970.

Cleft Lip and Palate. 4th edn. W. G. Holdsworth, F.R.C.S. (Pp. 267; 100s.) William Heinemann Medical Books. 1971.

An Atlas of Bone-Marrow Pathology. M. C. G. Israels, M.D., F.R.C.P. (Pp. 83; 60s.) William Heinemann Medical Books. 1971.

Atlas on the Clinical Diagnosis of Mammary Carcinoma. Dr. Wilhelm Window and Prof. Dr. Hans Gummel. (Pp. 156; No price) Akademie-Verlag, Berlin. 1968.

Tunbridge Wells Postgraduate Centre.—Day symposium, "Thromboembolic Disease," 13 March, 10 a.m. Details of this, and the postgraduate programme in general, are obtainable from the postgraduate secretary, Kent and Sussex Hospital, Tunbridge Wells, Kent.

Association of Anaesthetists of Great Britain and Ireland.—(1) Annual scientific meeting for registrars, 15-17 April, Westminster Hospital, London S.W.1. (2) Annual scientific meeting, 23-25 September, Birmingham University. Closing dates are (1) 15 March for applications, (2) 13 April for papers, and details of both meetings are obtainable from the honorary secretary of the association of Royal College of Surgeons of England, Lincoln's Inn Fields, London WC2A 3PN. (Tel. 01-405 3474.)

London Medical Group.—Copies of the revised programme of lectures, study seminars, symposia, etc., are obtainable from the secretary, L.M.G., 103 Gower Street, London W.C.1. (Tel. 01-387 2129).

Edgware Postgraduate Medical Society.—Copies and details of the programme of lectures and meetings are obtainable from the clinical tutor's secretary, Edgware General Hospital, Edgware, Middx. (Tel. 01-952 2381, extn. 354.)

Pahlavi Medical Conference, Iran.—General multispecialty conference 20-23 April, preceded by a postgraduate course on "Infectious Diseases," 17-19 April. Details from Pahlavi Medical Conference, c/o Mrs. R. Lofti, Institute of Nuclear Medicine, Nemazee Hospital, Shiraz, Iran.

European Society for Dermatological Research.—First meeting, 20-21 April, Noordwijk, Netherlands. Details from the secretary, Dr. M. Prunieras, Fondation Ad. de Rothschild, 29 rue Manin, Paris 19e, France.

Irish Ophthalmological Society.—Annual meeting, 20-30 April, Dublin. Details from Mr. G. P. Crookes, 18 Fitzwilliam Place, Dublin 2.

Ophthalmological Society of the U.K.—Annual Congress, 21-23 April, Royal College of Physicians of London. Details from the Congress Secretary of the Society, Royal College of Surgeons of England, 35-43 Lincoln's Inn Fields, London WC2A 3PN.

Proposed Charter Flight to U.S.A.—For the First American Congress of Social Psychiatry, 27-29 April, Chicago, and the annual meeting of the American Psychiatric Association, 3-7 May, Washington. Details from Dr. J. Bierer, International Association of Social Psychiatry, 7 Hollycroft Avenue, London N.W.3.

British Institute of Radiology.—Annual congress and scientific exhibition, 22-23 April, Imperial College, London. Details and application forms from the general secretary of the Institute, 32 Welbeck Street, London W1M 7PG.

"Protides of the Biological Fluids."—19th Annual colloquium, 28 April—2 May, Bruges. Details from the colloquium office, Simon Stevin Instituut, Jerusalemstraat 34, B-8000 Bruges, Belgium.

7th Congress of the World Federation of Haemophilia.—17-20 May, Tehran. Details from the secretary-general of the Congress, Dr. F. Ala, P.O. Box 13/1438, C.I.C.I., Tehran, Iran.

British Council for Rehabilitation of the Disabled.—Fourth international seminar and exhibition, "Rehabilitation—a United Concept," 28 June-3 July, Edinburgh. Fee £15.75. Applica-

tions before 1 May to the Registrar, REHAB, Tavistock House South, Tavistock Square, London W.C.1.

19th British Congress of Obstetrics and Gynaecology.—19-21 May, Dublin. Details from the secretary of the congress, Irish Medical Association, 10 Fitzwilliam Place, Dublin 2.

Medical Library Association.—Annual meeting, 30 May-3 June, New York City. Details from Mrs. H. B. Schmidt, 919 N. Michigan Avenue, Chicago, Ill., 60611, U.S.A.

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, 1 February

BLAIR BELL RESEARCH SOCIETY.—At Royal College of Obstetricians and Gynaecologists, 5.30 p.m., papers will be read.

INSTITUTE OF DERMATOLOGY.—4.30 p.m., Dr. J. A. Dudgeon: Virus Diseases of the Skin—II.

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Clinicopathological conference.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—4 p.m., Dr. J. S. Cameron: Glomerulonephritis; 6 p.m., Dr. H. N. Duke: Difficulties Inherent in Study of Gas Exchanged and Circulation of Blood in the Lungs.

Tuesday, 2 February

ROYAL ARMY MEDICAL COLLEGE.—5 p.m., Professor I. D. A. Johnston: Nutritional Effects of Surgery for Peptic Ulceration.

ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Arris and Gale lecture by Mr. R. G. Notley: Structural Basis for Normal and Abnormal Ureteric Motility.

Wednesday, 3 February

INSTITUTE OF DERMATOLOGY.—4.30 p.m., Dr. L. Fry: Cutaneous-intestinal Relationships.

INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Professor J. G. Scadding: What is Sarcoidosis?

INSTITUTE OF NEUROLOGY.—6 p.m., Professor C. E. Dent, F.R.S.: Calcium Metabolism—Theoretical Aspects; 7 p.m., Dr. P. K. Robinson: Disorders of Calcium Metabolism—Clinical Aspects.

INSTITUTE OF PSYCHIATRY.—5.30 p.m., Dr. L. W. Duchen: Some Aspects of Regeneration in the Nervous System.

INSTITUTE OF UROLOGY.—5 p.m., Professor J. P. Blandy: Disease of the Seminal Vesicles.

MEDICO-CHIRURGICAL SOCIETY OF EDINBURGH.—At Royal College of Surgeons of Edinburgh, 8.30 p.m., meeting with Obstetrical Society: Aspects of Adoption.

OXFORD UNIVERSITY.—At Radcliffe Infirmary, 5 p.m., Professor K. J. Isselbacher (Harvard): Alcohol, its Metabolism and Metabolic Effects.

ROYAL COLLEGE OF PHYSICIANS OF LONDON.—5.30 p.m., Watson Smith lecture by Dr. B. Creamer: The Small Intestine through the Looking Glass.

ROYAL FREE HOSPITAL.—5.15 p.m., Dr. A. M. Breckenridge: Aspects of Enzyme Induction in Man.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—11.45 a.m., Clinicopathological conference by Dr. M. E. Conolly: Isoprenaline and Asthma Deaths; 2 p.m., Professor H. Ulrich: Peripheral Nerves—some Pathological Problems; 5 p.m., Dr. H. Friedberg (U.S.A.): An Appraisal of Coronary Surgery.

Thursday, 4 February

ABERDEEN UNIVERSITY.—At medical buildings, Foresterhill, 5 p.m., Mr. G. Donald: History of Medical Art.

DUNDEE UNIVERSITY.—At Medical Sciences Institute, 5 p.m., Professor R. M. Kenedi: Bioengineering in Medicine.

ROYAL COLLEGE OF PATHOLOGISTS.—At Royal College of Physicians of London, 5 p.m., Kettle memorial lecture by Professor M. A. Epstein: Possible Role of Viruses in Human Cancer.

ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5.30 p.m., Otolaryngology lecture by Dr. G. A. S. Lloyd: Value of Polytomography in Diagnosis of E.N.T. Conditions.

T.U.C. CENTENARY INSTITUTE OF OCCUPATIONAL HEALTH.—At London School of Hygiene and Tropical Medicine, 5.15 p.m., case demonstration by Dr. J. T. Smyth: Farmer's Lung.

Friday, 5 February

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Dr. L. Sinclair: The Child's Face.

ROYAL COLLEGE OF SURGEONS OF EDINBURGH.—3 p.m., Professor S. Sherlock: The Problem of Cholestasis.

ROYAL FREE HOSPITAL.—12.30 p.m., Dr. J. W. Mosley (U.S.A.): Epidemiology of HAA-positive Hepatitis.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—11 a.m., Profile: Surgical Illustration.

Sunday, 7 February

EDGWARE POSTGRADUATE MEDICAL SOCIETY.—At Edgware General Hospital, 10.15 a.m., film; 11 a.m., Dr. T. E. Cleghorn: Modern Trends in the Blood Transfusion Services.

APPOINTMENTS

EAST ANGLIAN REGIONAL HOSPITAL BOARD.—A. P. Macdonald, M.B., M.R.C.O.G. (consultant obstetrician and gynaecologist, West Norfolk and King's Lynn group H.M.C. and North Cambridgeshire group H.M.C. areas); G. K. Laxton, M.B., M.R.C.P., D.T.M.&H. (consultant physician in geriatrics, Peterborough and Stamford H.M.C.).

UNIVERSITIES AND COLLEGES

CAMBRIDGE

The M.D. Committee have awarded the Raymond Horton-Smith prize, 1969-70, to Dr. P. J. N. Howarth.

M.D.—C. A. Fox, A. E. Gent.

M.B.—R. N. Poston, J. S. Davies, D. P. Chamberlain, R. C. Desborough, G. Scott, G. J. Webb-Wilson, C. R. A. Clarke, H. M. Wieselberg, Evelyn A. Hawgood, Sheila Hollingshead, A. P. Thorley.

B.CHIR.—B. R. H. King, R. D. James, N. A. Levi, P. J. S. Binns, R. A. F. Burn, R. C. Orsborn, R. G. G. Russell, J. W. Hawkswell-Curtis, W. C. Sherwood, M. H. Sanderson, N. W. Marshall, J. D. H. Cameron, P. L. Alvey, N. J. B. Page, Judith M. de la Hoyde, P. E. Pritty, C. T. Patrick.

LONDON

Dr. L. E. W. Volrath has been appointed to the readership in anatomy tenable at King's College.

ROYAL COLLEGE OF SURGEONS IN IRELAND

The following have been admitted licentiates in surgery and obstetrics:

M.D. Maher, B. Moodley, A. A. Ocansey, K. P. Sooben, B. Ramseebaluck.

CORRECTIONS

Treatment of Fulminant Hepatic Failure
The articles on "Treatment of Fulminant Hepatic Failure" by Roger Williams, P. T. Flute, and John Winch (23 January, pp. 213, 215, and 216) were shortened versions of three papers read at a symposium held at the British Society of Gastroenterology on 6 November 1970. We regret that a footnote to this effect was omitted owing to a printer's error.

NOTICE TO AUTHORS

New Year's Honours List
Professor R. L. Huckstep, who was awarded the C.M.G. in the New Year's Honours list (B.M.J. 9 January, p. 122), should have been described as Professor of Orthopaedic Surgery at Makerere University, Kampala, Uganda.

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.