

Nuclear Physics in Medicine

Atomic Medicine. 5th edn. Charles F. Behrens *et al.* (Pp. 874; £13.50.) E. & S. Livingstone. 1970.

The last two decades have seen many advances and changes in the clinical applications of radioactive isotopes as well as better understanding of the biological effects of ionizing radiations. These have been adequately reflected in the previous editions of this book. A considerable proportion of the text of this edition is completely new, but the general approach is similar to former ones.

The introductory chapters deal with basic nuclear physics, types of ionizing radiations, and methods for their detection. Among them is a chapter on effects of nuclear weapons and associated defence problems with a rather distinct military flavour. Some ten chapters are devoted to various aspects of radiation damage from external and internal sources, with the greatest emphasis

being on man. Some of these chapters have been completely rewritten and are generally very good and up-to-date. Others, although often partly rewritten, frequently make reference to very early work (often with words "most recently" for work published 15-20 years ago) rather than to more recent (and relevant) information. For example, there is no mention of radiation-induced chromosome aberrations in lymphocytes in several sections where that would be very appropriate, and it is only in the chapter on genetics that we are told this can be a very useful diagnostic method. There are also a few inaccurate statements which are fortunately in most cases corrected in other chapters. It is rather surprising to find that the chapter on fundamental biology of ionizing radiations has been retained in its present form since it is, having been written many years ago, in many respects completely out of date.

The last twelve chapters deal with various

clinical applications of radioactive isotopes, instrumentation, and sources of radiation for therapy. Most of them are of high standard and up-to-date, and nearly half were written for this edition. There may be some lack of balance in the treatment of subjects in different chapters—some are admirably critical, brief, and to the point, while one or two others go into technical details more appropriate for a manual—but the text is clear and well illustrated.

Though there are now several books which deal in more detail with one or the other topic in nuclear medicine, the present volume covers a whole range of subjects and this is its main virtue—and partly its defect. More adequate revision and better updating of chapters written for previous editions would have improved this book. It could also have been improved by standardizing the units and reference lists through all the chapters and by correcting the few errors which appeared in the previous edition.

V. S. ŠLJIVIĆ

Care of the Injured

Road Accidents—Medical Aid. Hanns Pacy, M.D., F.R.A.C.G.P. (Pp. 136; £1.) E. & S. Livingstone. 1970.

"Any medical practitioner may sooner or later find himself on the scene of a road accident. There is nothing more pathetic than the spectacle of a hesitant doctor who either declines to respond to a call for help or, at the scene, is uncertain, unprepared, and rather a hindrance than a help."

This quotation from the preface of the book under review poses a challenge which

has been accepted by many hundreds of medical practitioners in recent years. The need for improvements in the immediate medical care of the seriously injured both at and before hospital reception is now of national concern. Coming shortly after *Road Accidents and the Family Doctor*, a multi-author B.M.J. publication, this handbook from a single-handed Australian doctor will be of great interest.

Dr. Pacy has answered calls to accidents along a 30-mile (54 km) stretch of interstate highway for the past 16 years. The nearest hospital is 50 miles (80 km) away. However, whether the nearest hospital be 5 or 50 miles distant, the need for early, ex-

pert care of the airway in the unconscious, replacement of marked blood loss, and the careful handling of major fractures remains the same. On these aspects of medical aid much practical advice is given. The chapters "Further Measures" and "Special Problems" will be of interest to those already practised in this field of medicine, and who appreciate the difficult conditions under which much of this work is performed.

This modestly priced book is a valuable addition to the monographs and reports of symposia on this subject. It can be recommended to all general practitioners and casualty surgeons.

K. C. EASTON

Art in Medicine through the Ages

History of Medical Illustration: From Antiquity to A.D.1600. Robert Herrlinger, D.M. (Pp. 178; £7.) Pitman. 1970.

The pictorial expression of thought preceded the written word. Indeed alphabets as we know them developed out of the artistic efforts of the earliest scholars, the Egyptians being not the only early civilization to transmit ideas by means of hieroglyphics. Medical illustration therefore is understandably as old as medicine and it has an important place in the history of art. Although Galen's writings were not illustrated, it seems likely that a visitor to the Alexandrian school of medicine, where dissection of the human cadaver was practised, might have found there the rudiments of a department of medical illustration. Herophilus and Erasistratus are believed to have made use of drawings.

This is an elegant book on the history of art in medicine, and it goes without saying

that it is well and copiously illustrated. The coloured plates are excellent and innumerable woodcuts are reproduced in the text, which itself is important, representing years of painstaking research and filling a void in medical literature. Yet, as the opening quotation from Petrarch suggests, it is for careful study and not for idle reading. Proceeding through this galaxy from the beginning of the 3rd century B.C. to the late Renaissance, the various epochs of art are encountered: a skinless and muscular male gracefully postured against an Italian walled city, Picassoesque individuals with explanatory marks and pointers, and a "wound-man" illustrating common injuries. There are mediaeval representations of diabolical surgical techniques in operation on apparently placid subjects, and orthopaedic procedures more suggestive of the refined torture chamber than of a pain or disability-relieving mission. By contrast there are pharmaco-

botanical drawings of rare beauty and examples of the perfection of Leonardo da Vinci and of Vesalius. Enigmatic sketches of many types can be studied, and one frequently detects in the developing culture of medicine symbolic motifs and the restraining undercurrent of astrology and witchcraft.

The author of this remarkable book, the most detailed of its kind since the contributions of Karl Sudhoff, was only 53 when he died in 1968. He was a practising physician who was also a medical historian and a highly qualified art historian. Later in his brief career, he held the chair of the history of medicine first in Würzburg and then in Kiel, where he achieved the highest distinction in his field of research and well deserved international renown as a scholar. Dr. P. Noel Poynter has contributed an introduction and a sensitive biography.

W. H. MCMENEMEY

SHORTER NOTICES

"Leprosy as a precisely-defined clinical entity has now entered the realm of scientific medicine." These words open Dr. Stanley G. Browne's monograph on this still common, yet to many little known, disease. As one of the world's experts

he gives an authoritative account of this condition, starting with the history and folk lore of leprosy in many ancient cultures. Sections follow on epidemiology; the clinical course of the disease; bacteriological, histological, and immunological studies; diagnosis; and treatment. The final chapters deal with leprosy control and its social

and psychological aspects. There are many illustrations, all in colour, and the monograph is completed by an up-to-date bibliography arranged under the same sections as the chapter headings. (*Leprosy*, Stanley G. Browne, O.B.E., F.R.C.P. (Pp. 78; No charge; Limited Edition) Geigy, 1970.)

British Society of Audiology.—All-day symposium, "Hearing Impairment in the Elderly," 14 May. Details from the secretary, B.S.A., 1 Birdcage Walk, London S.W.1. (Tel. 01-930 7476.)

Faculty of Radiologists.—At the Royal College of Surgeons of England, (1) 21 May, 10 a.m., meeting, "Whither Nuclear Medicine", fee £1.25; (2) postgraduate weekend course, 22 May, 9.30 a.m., fee £1.50. Application forms and details are obtainable from the secretary, Faculty of Radiologists, Royal College of Surgeons of England, Lincoln's Inn Fields, London W.C.2A, 3PN.

VII European Rheumatology Congress.—6-11 June, Brighton. Details from the Congress Secretariat, c/o Arthritis and Rheumatism Council, Faraday House, 8 Charing Cross Road, London W.C.2.

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, 3 May

INSTITUTE OF DERMATOLOGY.—4.30 p.m., Dr. Y. M. Clayton: Candidiasis.

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

INSTITUTE OF OBSTETRICS AND GYNAECOLOGY.—At Chelsea Hospital for Women, 2 p.m., Mr. C. A. Simmons: Stress Incontinence; 3 p.m., Mr. D. Wallace: The Urologist and the Gynaecologist. (Admission by ticket only, obtainable from Secretary, Institute of Obstetrics and Gynaecology, Chelsea Hospital for Women, London S.W.)

Tuesday, 4 May

ADLERIAN SOCIETY OF GREAT BRITAIN.—At Alliance Hall, Palmer Street, London S.W.1, 7.30 p.m., Dr. E. Weissmann: An Adlerian Looks at Schizophrenia.

INSTITUTE OF OBSTETRICS AND GYNAECOLOGY.—At Hammersmith Hospital, 2 p.m., Mr. D. J. Meagher: Active Approach to Labour; (2) at Queen Charlotte's Hospital, 3 p.m., Mr. V. Tindall: Liver Function in Pregnancy. (Admission by ticket only, obtainable from Secretary, Institute of Obstetrics and Gynaecology, Chelsea Hospital for Women, London S.W.)

ROYAL ARMY MEDICAL COLLEGE.—5 p.m., Dr. C. W. H. Havard: The Thymus.

ROYAL COLLEGE OF SURGEONS OF EDINBURGH.—4 p.m., Professor J. L. Pool (Columbia): A new Agent for Treatment of Paget's Disease of the Spine.

ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Arris and Gale lecture by Dr. J. P. Sparks: Torsion of the Testis.

SOCIETY OF APOTHECARIES OF LONDON.—5.30 p.m., Gideon De Laune lecture by Professor H. R. Trevor Roper: Sir Theodore Turquet De Mayerne.

WESTMINSTER MEDICAL SCHOOL.—5.15 p.m., Mr. K. P. Robinson: Amputation.

Wednesday, 5 May

ASSURANCE MEDICAL SOCIETY.—At Medical Society of London, 5 p.m., Dr. C. M. Fletcher: Smoking and Premature Deaths.

INSTITUTE OF PSYCHIATRY.—5.30 p.m., Professor T. C. N. Gibbens: Further Studies of Shop-lifting.

OXFORD UNIVERSITY.—At Radcliffe Infirmary, 5 p.m., Litchfield lecture by Professor J. H. Middlemiss: Schistosomiasis—a Diagnostic Problem.

ROYAL COLLEGE OF PATHOLOGISTS.—At Royal College of Physicians of London, 5.45 p.m., Roy Cameron lecture by Dr. L. E. Glynn: Pathology, Pathogenesis and Aetiology of Rheumatoid Arthritis.

ROYAL COLLEGE OF SURGEONS OF ENGLAND.—4.30 p.m., Erasmus Wilson demonstration by Dr. M. H. Salaman: Immune Suppression in Infectious States and its Relevance to Development of Cancer.

ROYAL FREE HOSPITAL.—5.15 p.m., Dr. C. Oakley: Cardiac Myopathies.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—2 p.m., Dr. J. R. O'Brien: Practical Status of Platelet Function Studies.

Thursday, 6 May

ABERDEEN UNIVERSITY.—At Medical Buildings, Foresterhill, 5 p.m., Davidson lecture by Professor I. C. Waterlow: Infantile Malnutrition in the Tropics—Present Concepts and Changing Patterns.

ROYAL COLLEGE OF GENERAL PRACTITIONERS.—NORTH-EAST ENGLAND FACULTY.—At Royal Victoria Infirmary, Newcastle upon Tyne, 6.30 p.m., Dr. T. F. Main: Whole Patient Medicine.

ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5.30 p.m., Otolaryngology lecture by Dr. P. Stradling: Diagnostic Bronchoscopy.

ST. MARY'S HOSPITAL MEDICAL SCHOOL.—5.15 p.m., Dr. S. Ramaswamy: The Gynaecologist's Role in Family Planning.

WESTMINSTER MEDICAL SCHOOL.—5.15 p.m., Mr. N. Browne: Deep Vein Thrombosis and Pulmonary Embolism.

DUNDEE UNIVERSITY.—At Physiology Department Lecture Theatre, 5 p.m., Professor G. A. D. Haslewood: Biochemical Evolution.

Friday, 7 May

NEWCASTLE UPON TYNE REGIONAL NEUROLOGICAL CENTRE.—At Newcastle General Hospital, 5.30 p.m., Dr. J. Hume Adams: Ischaemic Brain Damage in Fatal Head Injuries.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—11 a.m., Lieutenant-Colonel W. C. Moffat: Surgery in the Modern Army.

APPOINTMENTS

EAST ANGLIAN REGIONAL HOSPITAL BOARD.—M. R. Smith, M.B., M.R.C.O.G. (consultant obstetrician and gynaecologist, North Cambridgeshire and King's Lynn H.M.C. areas).

SOUTH-EAST METROPOLITAN REGIONAL HOSPITAL BOARD.—K. E. Davis, M.B., F.F.A.R.C.S. (consultant, anaesthetics, Dartford group); P. Sharpstone, M.B., M.R.C.P., (consultant, general and renal medicine, Brighton and Lewes and Mid-Sussex groups); M. F. Gundry, M.B., F.R.C.S., D.O. (consultant, ophthalmology, Medway and Gravesend and Central Kent groups); Betty E. Wallace, M.D., F.R.C.Path. (consultant, microbiology, Brighton and Lewes group); C. P. Fathing, M.B., M.R.C.Path. (consultant, pathology, Bromley group); K. Singh, M.B., F.R.C.S., D.L.O. (consultant, E.N.T., Hastings and Eastbourne groups); Bidi M. Evans, M.B., M.R.C.P. (consultant, neurophysiology, Woolwich group); D. Talwar, M.B., F.F.A.R.C.S. (consultant, anaesthetics, Woolwich group); D. J. E. Taylor, M.B., M.R.C.P. (consultant, general medicine, Canterbury group); W. Appleyard, B.M., D.Obst. R.C.O.G. (consultant, paediatrics, Canterbury and Isle of Thanet groups).

MANCHESTER REGIONAL HOSPITAL BOARD.—K. C. Misra, M.B., F.F.A.R.C.S. (consultant anaesthetist, Barrow and Furness group); R. W. Lass, M.R.C.P. (consultant physician, Wigan and Leigh group); P. F. Schofield, M.D., F.R.C.S. (consultant general surgeon, West Manchester group); T. C. Stevenson, M.B., M.R.C.O.G. (consultant obstetrician and gynaecologist, Bolton and District group); H. B. C. Burmester, M.B., M.R.C.Path. (consultant pathologist [haematology], Wythenshawe and Baguley Hospitals); A. J. W. Fordyce, M.B., F.R.C.S.Ed. (consultant traumatic and orthopaedic surgeon, North Lancs and South Westmorland group).

NATIONAL HOSPITALS FOR NERVOUS DISEASES.—Patricia M. Norman, M.B., M.R.C.Path. (consultant pathologist [haematology]).

NEWCASTLE REGIONAL HOSPITAL BOARD.—J. Wood, M.B., D.P.M. (consultant, mental illness [children], East and West Cumberland groups); Pelong Chin, M.B., M.R.C.P.Ed. (consultant, geriatrics, East Cumberland group); P. J. Whitehead, M.B., M.R.C.Path. (consultant, pathology, West Cumberland group); Christine A. Snodgrass, M.D., M.R.C.O.G. (consultant, obstetrics and gynaecology, Newcastle upon Tyne group).

NORTH-EAST METROPOLITAN REGIONAL HOSPITAL BOARD.—Constance M. Dennehy, M.B., D.P.M. M.R.C.P.Ed. (consultant, psychiatrist, Woodberry Down Child Guidance Unit and Queen Elizabeth Hospital for Children); J. B. Enticknap, M.D., F.R.C.Path. (consultant chemical pathologist, Forest group); W. P. U. Kennedy, M.B., M.R.C.P.Ed. (consultant general physician with responsibilities for chest services, St. Helena group).

OXFORD REGIONAL HOSPITAL BOARD.—D. W. G. Budd, F.R.C.S. (consultant, general surgery, Banbury area); T. Hurley, M.B., M.R.C.P. (consultant, geriatric medicine, Swindon/Cirencester area); D. W. Hide, M.B., M.R.C.P.Ed., D.C.H., D.T.M.&H. (consultant, paediatrics, Swindon/Cirencester area); M. J. Gallant, M.R.C.S., D.M.R.D. (consultant, radiology, Northampton area).

UNIVERSITIES AND COLLEGES

ROYAL COLLEGE OF SURGEONS OF ENGLAND

At a quarterly meeting of the council held on 8 April, with Sir Thomas Holmes Sellers, president, in the chair, Dr. Alexander Manos, of Athens, was admitted to the Honorary Fellowship.

The Clement Price Thomas award for 1971 was made to Professor A. L. d'Abreu in recognition of his contribution to the development of thoracic surgery and his interest in the training and education of young thoracic surgeons.

The Walker prize for 1966-70 was awarded to Mr. D. P. Burkitt for his important original contributions to oncological knowledge, especially the identification and treatment of Burkitt's lymphoma. Professor G. L. Howe was appointed Charles Tomes lecturer for 1972.

The following were elected to the Fellowship *ad eundem*: S. R. Adlington, Denys Wainwright.

The following were elected Fellows of the College, without examination, as medical practitioners of 20 years' standing: Mahmoud Badr (Professor of urology, University of Cairo), Ralph Cocker (professor of dental surgery, University of London), P. H. Jobson (consultant E.N.T. surgeon, Farnham and Guildford Hospital Groups), Surgeon Rear-Admiral S. Miles (dean of postgraduate studies, Manchester University), W. W. Rentoul (honorary orthopaedic surgeon, Cornwall Association for Disabled), Frank Stansfield (past senior lecturer, department of anatomy, R.C.S.).

The following were elected Fellows in the Faculty of Anaesthetists without examination: Francis F. Foides (New York, U.S.A.), Martin Holmdahl (vice-president of the University of Upsala), Henry K. Beecher (Boston, U.S.A.).

The Hallett prize was presented to Dr. J. N. Thomas (University of Oxford) and Hancock prizes were presented to Dr. Alison P. Hill and Dr. Sarah A. Lange (both of Guy's Hospital Medical School).

The fourth Macleodlin scholarship was awarded to R. W. Smith of Hurstpierpoint College.

A diploma of Fellowship was granted to M. Subramaniam.

Diplomas of membership were granted to Hilal Abdul Nour and Ali Onsi-Abdeen.

Diplomas of Fellowship in the Faculty of Anaesthetists were granted to the following candidates:

J. B. Warren, B. A. Waldron, D. R. Sutherland, E. J. Galizia, I. J. McCallum, A. Dalal, N. W. King, F. D. Sullivan, P. S. Page, Mary Ducrow, D. J. Cousins, Eleanor I. Foley, C. E. Blogg, J. N. Broadley, Mary A. Cohen, Mary-Lou Phillips, R. E. Atkinson, A. K. Bacon, L. A. Rauscher, D. P. G. Griffiths, I. H. Robinson, B. B. Gulati, N. Y. Mansour, B. D. Mukerji, M. R. Wassef, J. A. Gill-Rodriguez, Lakshmi N. Tamma, J. E. Twentym, R. F. Forward, Z. R. Jafri, M. I. Sadiq, G. K. Vanner, Y. E. Yacoub, R. H. Morgan, R. K. Parikh, S. L. Zwana, T. M. Murphy, Marjorie J. Wallace, Anne E. G. Bruce, Ruth M. Furness, F. A. Gomez, Enid R. Kafer, A. N. Panday, J. G. Henly, S. Ketharthas, I. A. MacDonald, P. A. Macklin, T. A. McK. Redhead, Rhoda M. Shearer, R. Williamson, P. N. Young, Norma J. Duncan, R. K. Gupta, R. Ann Nicholson, J. Pfitzer, Zarrin R. Qureshi, A. Razak, D. R. Bevan, J. E. Charlton, B. I. Duffv, M. J. H. Hodson, L. D. Karalliedde, Elizabeth M. Lawton, M. K. Milne, R. Rizk-Attia, A. S. Selwyn, O. O. Akinyemi, J. D. Allen, Armored B. Church, P. G. Cutler, Susan E. Jones, J. R. A. Moon, Patricia Moore, J. R. Newman, E. Sumner, M. A. Turner, R. K. B. Young.

Diplomas in anaesthetics were granted jointly with the Royal College of Physicians to Margaret Johnston, Anil Kumar Shah, Jennifer M. Viggers and J. Wezelman.

A diploma in laryngology and otology was granted jointly with the Royal College of Physicians to A. J. S. Burge.

CORRECTION

Controlled Trial of Metoclopramide

In the paper entitled "Controlled Trial of Metoclopramide in the Treatment of Flatulent Dyspepsia" by Mr. A. G. Johnson (3 April, p. 25) a printing error occurred in the first sentence under "Distribution of Symptoms" (p. 26). The sentence should read: "Thirty-three patients complained of both flatulent and dyspeptic symptoms, six complained of flatulence alone, and three of dyspepsia alone."

Chronic Pylonephritis

We regret that in the leading article "What is Chronic Pylonephritis?" (10 April, p. 61) the name of Dr. M. MacGregor was misspelt McGregor.

Notice to Authors

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

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