

its haemodynamics. In part three there is a particularly thoughtful paper and discussion on "the idea of a chemoreceptor." The last section includes some interesting morphological considerations, and several possible models for the pulmonary circulation are discussed. There is a fascinating paper and argument on the merits of recruitment versus distensibility in the pulmonary vascular bed. The volume closes with an account of the effects of acceleration on pulmonary blood flow, an appropriate ending in this space age.

This is an excellent production, and the bibliography and index are very comprehensive. The conference from which it all originated must have been a most stimulating one to attend, and much of the enthusiasm of the participants comes through in this publication.

DAVID HUGHES.

## Twenty-five Years in Clinical Pathology

**Trends in Clinical Pathology.** Essays in Honour of Gordon Signy. (Pp. 352 + xi; illustrated. 60s.) London: British Medical Association. 1970.

When the *Journal of Clinical Pathology* was founded 25 years ago the Association of Clinical Pathologists, with great wisdom, appointed Dr. Gordon Signy as Editor, and it is to celebrate his 25 years of stewardship that this *Festschrift* has been published. It also happens to coincide with Dr. Signy's retirement from clinical pathology at a remarkably youthful 65. The contributors are old friends and collaborators and they form an impressive list.

Dr. Rosemary Biggs writes on the development of our understanding of blood coagulation. Dr. E. K. Blackburn discusses the position and training of the clinical haematologist. Dr. Barbara Clayton stresses the need for specialized methods in paediatric chemical pathology. Professor T. Crawford outlines the development of atherosclerosis from the earliest changes. Professor J. V. Dacie foresees haematology developing from the partnership between the clinical and the laboratory haematologists. A brief history of the development of our knowledge of viruses is given by Dr. J. A. Dudgeon. Professor L. P. Garrod writes on antibiotic sensitivity in relation to therapy. Professor H. Lehmann stresses the importance of recognizing and

investigating the unusual result. Professor A. C. Lendrum illustrates the evolution of fibrin into hyaline, and the development of chemical pathology is traced by Professor N. F. MacLagan who then speculates on future developments. Professor N. H. Martin writes on the immunoglobulins in relation to infections, and Professor R. Pulvertaft describes the fascination and value of pathology in the tropics. The enormous strides made in forensic pathology in the quarter century are outlined by Professor Keith Simpson. Dr. A. I. Spriggs looks critically at the practical clinical value of exfoliative cytology. Dr. Joan Taylor discusses the problems of pathogenicity in the enterobacteriaceae. Dr. G. H. Tovey indicates how a more intelligent use of blood transfusion can benefit patients. Professor T. P. Whitehead gives his experiences with computers in chemical pathology. Professor R. E. O. Williams reviews the advances in microbiology. Finally, Dr. S. C. Dyke gives a brief account of the foundation of the journal. Happily it became one of the family of special journals published by the B.M.A. under the direction of Dr. Hugh Clegg, the then Editor of the *B.M.J.* Signy, with Clegg's valuable assistance, thus started the *Journal of Clinical Pathology* on the path that led to the international reputation that it holds today.

This volume is worthy of its object; it gives a fascinating picture of the advances that have taken place in all branches of clinical pathology during Signy's editorship. It can be read and enjoyed by anyone interested in laboratory medicine.

C. V. HARRISON.

## Problems of Old People

**Geriatrics and the General Practitioner Team.** By M. K. Thompson, M.B., D.R.C.O.G. (Pp. 128 + ix; illustrated. 20s.) London: Bailliere, Tindall & Cassell. 1969.

In his introduction Dr. M. K. Thompson writes "The aim of this book, then, is to awaken interest rather than give information: to make the reader aware of the importance of subjects he might previously thought irrelevant, and perhaps see new approaches to old problems." He succeeds admirably in his aim. Although the book is aimed particularly at the family doctor, all students of geriatric medicine will find it of interest and value. Inevitably, perhaps, there is some uneven-

ness in the grasp he shows of the various subjects tackled, but each chapter reveals the unmistakable tang of being written by someone with actual experience of what he writes.

The sections entitled "Vision and Hearing in Old Age," "Cerebral Syndromes in the Elderly," and "Incontinence of Urine and Pressure Sores" are particularly good. This book deserves to reach a wide audience.

W. H. LLOYD.

## How to Write Papers

**Scientific Writing for Graduate Students.** Edited by Peter Woodford. (Pp. 190 + x; 45s.) London: Macmillan. 1969.

This book has been produced because "many scientists write badly." It is intended to be the basis of a course of lecture-discussions given to graduate scientists who are starting to prepare their first papers. It anticipates that some students will argue that it is not important to take trouble in writing scientific papers. "Oh, for pity's sake, we know just what the fellow means, why all the pedantic fuss?" However, it still comes as a shock that anyone could defend some of the jargon the authors quote.

The whole process and technique of writing a paper is considered with characteristic American thoroughness, and there can be no criticism of that. Important points are made in the chapter on oral presentation, though I recall A. M. Cooke summing it all up rather more tersely: "remember you are speaking to deaf morons" (modified for international conferences to "deaf, foreign morons"). This advice was not in the least offensive, as it may sound. It emphasized that material which to you was familiar, even stale, was to your audience new and perhaps difficult.

This book is sponsored by the Council of Biology Editors (should it not be the Council of Editors of Biological Journals?), and it contains much good advice. One's main doubt is whether a short postgraduate course is the right time and way to teach a love and command of English. Does learning not need to start much earlier and last much longer? and is it not only scientists who need help? A man can earn his living by writing and write vilely, and a scientist can write like an angel. The best living writer of English I know is a scientist—P. B. Medawar.

D. A. PYKE

## Books Received

*Books noticed here may be reviewed later.*

**Radionuclides in Medicine.** By C. F. Barnaby, M.Sc., Ph.D. (Pp. 170 + xiv; 42s.) London: Souvenir Press. 1969.

**How Psycho-Therapy Heals.** By Richard D. Chessick, M.D. (Pp. 227; \$9.95). New York: Science House. 1969.

**The Megaloblastic Anaemias.** By I. Chanarin, B.Sc., M.D., M.C.Path. (Pp. 1000 + vi; illustrated. 200s.) Oxford: Blackwell. 1969.

**The Doctor's Quick Weight Loss Diet.** By Irwin Maxwell Stillman, M.D. and S. Sinclair Baker. (Pp. 236; 5s.) London: Pan Books, 1970.

**The Management of Alcoholism.** By Bruce Ritson, M.D., D.F.M., and Christine Hassall, M.Sc. (Pp. 114 + vii; 25s.) Edinburgh: E. & S. Livingstone. 1970.

**Medicine and Sport.** Vol. 4. Physical Activity and Aging. Edited by E. Jokl and D. Brunner. (Pp. 315 + xii; illustrated. 164s.) Basle: S. Karger. U.K.: Academic Press. 1970.

**Manic Depressive Illness.** By George Winokur, A.B., M.D., Paula J. Clayton, B.S., M.D., and Theodore Reich, B.Sc., M.D., C.M. (Pp. 186 + x; 59s.) St. Louis: C. V. Mosby. London: Henry Kimpton. 1969.

**Handbook of Psychiatry.** Edited by Philip Solomon, M.D. and Vernon D. Patch, M.D. (Pp. 623; 67s.) Oxford: Blackwell, 1969.

**Handbook of Surgery.** Edited by John L. Wilson, M.D. (Pp. 781; 57s.) Oxford: Blackwell. 1969.

**The Immunologic Theory of Aging.** By Roy L. Walford, M.D. (Pp. 248; illustrated. Dan.kr.97.50.) Copenhagen: Munksgaard. 1970.

**L'Appareil Broncho-Pulmonaire. Structures et Mécanismes à l'Etat Normal et Pathologique.** By A. Policard and P. Galv. (Pp. 321; illustrated. 79 F) Paris: Masson. 1970.

**Biological Implications of the Nuclear Age.** Proceedings of a Symposium held at Lawrence Radiation Laboratory Livermore, California, March, 1969. (Pp. 341 + ix; illustrated. \$3.00.) Oak Ridge, California: U.S. Atomic Energy Commission. 1969.

## 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, 16 February

INSTITUTE OF CANCER RESEARCH.—5.30 p.m., Sir David Smithers: Advances due to Wide Field Supravoltage Irradiation.  
INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Combined staff consultation clinical meeting.

## Tuesday, 17 February

B.B.C. 1 TELEVISION.—11.20 p.m. (approx.), Medicine Today: Peptic Ulcer (*repeat*). (Prepared in collaboration with A.S.M.E.)  
CAMBRIDGE MEDICAL SOCIETY.—8.30 p.m., jointly with University Medical Society, Mr. H. S. Wolff: Worthwhile Projects in Bioengineering.  
CROYDON MEDICAL CENTRE.—At Mayday Hospital, 1 p.m., Dr. G. Hamilton Fairley: Medical Management of malignant Disease.  
GWENT POSTGRADUATE MEDICAL CENTRE.—At Royal Gwent Hospital, Newport, Mon., 8 p.m., Gwent Medical Society meeting, presidential address by Dr. K. Crowther.  
LONDON MEDICAL GROUP.—At King's College Hospital Medical School, 5.45 p.m., Dr. J. R. Ellis: Student Unrest in Medicine.  
ST. CHARLES' HOSPITAL MEDICAL CENTRE, London.—8.45 p.m., Dr. E. A. Nieman: Vertigo.  
ROYAL ARMY MEDICAL COLLEGE.—5 p.m., Mr. J. M. Brudenell: Unplanned Pregnancy.

## Wednesday, 18 February

GWENT POSTGRADUATE MEDICAL CENTRE.—At Royal Gwent Hospital, Newport, Mon., 2.15 p.m., medical meeting.  
INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Dr. F. J. Prime: Diffuse Pulmonary Fibrosis.  
INSTITUTE OF ORTHOPAEDICS.—At Great Portland Street, London, W.1, 9.30 a.m.-12 noon, 6 p.m.-7 p.m., and 8.15 p.m., instructional course: Growth and Metabolic Disorders.  
INSTITUTE OF PSYCHIATRY.—5.30 p.m., Dr. M. V. Driver: Present Views on Origin of Petit Mal Seizure.  
INSTITUTE OF UROLOGY.—5 p.m., Mr. K. E. D. Shuttleworth: Surgical Factors in Urinary Tract Infection.  
MIDLAND MEDICAL SOCIETY.—At Birmingham Medical Institute, 8.30 p.m., Professor Charlotte M. Anderson: Recurrent Diarrhoea in Childhood.  
OXFORD UNIVERSITY.—At Radcliffe Infirmary, 5 p.m., Mr. W. M. Keynes: Urinary Excretion of Calcium and Magnesium in Normals and Stone-formers using a Diet with very low Content of these Minerals.  
ROYAL FREE HOSPITAL.—5.15 p.m., Dr. H. Matthew: Acute Poisoning and its Management.  
SOUTHAMPTON POSTGRADUATE MEDICAL FEDERATION.—At Southampton General Hospital, 8.30 p.m., Professor B. Jennett: A Neurosurgical Topic—Anaesthesia.  
TUNBRIDGE WELLS POSTGRADUATE MEDICAL CENTRE.—At Board Room, Kent and Sussex Hospital, 12.45 p.m., Mr. G. A. D. Lavy: Rectal Bleeding.●  
WORKING MEDICAL SOCIETY.—At Conservative Club, Mr. D. N. Ross: Cardiac Transplantation.

## Thursday, 19 February

BEDFORD MEDICAL SOCIETY.—At Medical Institute, 8.30 p.m., Dr. J. Morgan-Hughes: Some Advances in Neurological Diagnosis and Management.  
BRISTOL UNIVERSITY DEPARTMENT OF CHILD HEALTH.—At Bristol Children's Hospital, 5 p.m., Dr. F. Harris: Management of Solid Tumours in Childhood.  
LIVERPOOL MEDICAL INSTITUTION.—8 p.m., jointly with Paediatric Club, Professor A. C. Turnbull: Evidence for a Foetal Role in Determining Gestation.  
LONDON JEWISH HOSPITAL MEDICAL SOCIETY.—At 11 Chandos Street, London W.1, 8.15 p.m., debate.  
LONDON MEDICAL GROUP.—At St. George's Hospital Medical School, 6 p.m., Dr. Cicely Saunders: Pain—an illustrated lecture on Care of the Dying.  
NORTH MIDDLESEX HOSPITAL.—12 noon, Dr. T. H. D. Arie: Social Medicine—What is it and What does it do?  
RADCLIFFE INFIRMARY, OXFORD.—6 p.m., Dr. B. Bower, Dr. C. Ounsted, Dr. P. Jeavons, Dr. H. Parry Williams: Epilepsy in Childhood.  
ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Hunterian lecture by Professor J. A. Dormandy: Clinical Significance of Blood Viscosity.  
ROYAL SOCIETY OF TROPICAL MEDICINE AND HYGIENE.—7.30 p.m., Dr. P. Williams: Phlebotomine Sandflies and Leishmaniasis in British Honduras (Belize). Discussion will follow.  
ST. MARY'S HOSPITAL MEDICAL SCHOOL.—At Wright Fleming Institute Theatre, 5 p.m., Dr. Jane Jones: Clinical Aspects of the Cardiff Carcinoma Survey.

## Friday, 20 February

CROYDON MEDICAL CENTRE.—At Mayday Hospital, 1 p.m., case conference by the medical division.

LONDON UNIVERSITY.—At Institute of Child Health, 5.30 p.m., Professor J. Hiernaux (Brussels): Relative Importance of Heredity and Environment in Growth and Physique of Children in Sub-Saharan Africa.

NUFFIELD DEPARTMENT OF ORTHOPAEDIC SURGERY.—At Nuffield Orthopaedic Centre, Headington, Oxford, 6.30 p.m., Dr. Trevor Hughes: Trauma to the Spine and the Spinal Cord.

ROYAL COLLEGE OF SURGEONS OF EDINBURGH.—3 p.m., Miss Annie McNeil memorial lecture by Mr. D. S. Middleton: A Clinical Approach to Derangement of Temporomandibular Joint.

ROYAL POSTGRADUATE MEDICAL SCHOOL.—10 a.m., Staff round; 11 a.m., Seminar by Mr. D. Sampson, Mr. A. E. Kulatilake, Mr. R. Roy: Transplant of the Kidney.

## Saturday, 21 February

NUFFIELD DEPARTMENT OF ORTHOPAEDIC SURGERY.—At Nuffield Orthopaedic Centre, Headington, Oxford, 8.30 a.m., Dr. C. G. Woods: Normal and Abnormal Muscle; 9.45 a.m., D. J. M. K. Spalding: The Myopathies.

## Appointments

NORTH EAST METROPOLITAN REGIONAL HOSPITAL BOARD.—C. A. C. Charlton, M.S., F.R.C.S. (Consultant in Genito Urinary Surgery to East London Group of Hospitals); R. A. Roxburgh, M.Chir., F.R.C.S. (Consultant in General Surgery to Chelmsford Group of Hospitals).

## Universities and Colleges

## CAMBRIDGE

M.B., B.CHIR.—V. L. Barlev.  
M.B.—T. M. Graf, P. J. Williams, P. J. Shoenberg, I. A. B. Brooksby, C. D. R. Brooksfield, G. R. G. Purcell, D. M. MacDonald, R. P. E. Hebblethwaite, P. A. Hunter, A. H. Chalmers, R. W. Y. Martin, C. R. Taylor, R. Hughes, Frances A. Bilton, M. H. Handford, D. E. Whillier, W. Amoo-Gottfried.

## WALES

WELSH NATIONAL SCHOOL OF MEDICINE  
Mr. A. S. Aldis, deputy director of the surgical unit, Welsh National School of Medicine, has been appointed director and dean of postgraduate studies.  
Dr. G. S. Kilpatrick, senior lecturer, department of tuberculosis and chest diseases, has been appointed dean of clinical studies (part-time).  
Appointments.—Mr. L. H. Blumgart (senior lecturer in surgery); Dr. J. G. Graham (senior lecturer in neurology, department of medicine); Dr. M. S. F. McLachlan (senior lecturer in diagnostic radiology).

## LONDON

M.D.—M. Gross, M. I. M. Noble, K. J. Holley, A. H. Roberts, Brenda E. Higgs, J. A. Thornton.  
M.S.—D. C. Rowe-Jones.  
PH.D.—*In the Faculty of Medicine*: W. F. Blakemore, P. K. Bridges, K. I. Gibson, T. A. Welborn, Jennifer E. A. James, Nawab M. Khan.  
M.Phil.—*In the Faculty of Medicine*: A. D. Cox, G. J. N. Davies, Margaret A. L. Faulkner, S. R. Hirsch, M. G. E. Morgan, T. A. Spratley, J. P. R. Young.  
M.D.—M. E. A. Powell, P. J. Watt.  
M.S.—D. G. A. Eadie, H.B.S. Kent.  
PH.D.—*In the Faculty of Medicine*: R. Kumar, O. H. Osman, D. R. Turner, A. H. Youssef, M. A. Athar, N. K. Burki.  
M.Phil.—*In the Faculty of Medicine*: Sajida J. Ahmad.

## QUEEN'S UNIVERSITY OF BELFAST

At a graduation ceremony held on 19 December 1969 the following degrees were conferred.  
M.D.—J. H. Elwood (with honours), G. A. Ashitey, W. G. Irwin, R. L. Miller, J. M. Sloan.  
M.Ch.—J. D. George, A. R. Gurd, H. O. O'Kane.  
PH.D.—*In the Faculty of Medicine*: G. W. Black.  
M.B., B.Ch., B.A.O.—Y. Y. Abora, D. W. Beck, C. P. Belshaw, P. S. Curran, A. A. T. Dharry, R. S. K. Essandoh, Sheila Ewart, G. A. Farnan, Alison F. Frazer, R. S. Fynes, K. N. Hambly, D. S. Hamilton, Barbara Hunter, R. C. Kinnear, Barbara F. McGibben, M. P. McGonigal, A. J. McD. McSparran, Margaret L. Mairs, F. A. Murhpy, T. J. Quait, Ann Thompson, J. A. Wallace, Elizabeth V. Wharton.

## FACULTY OF RADIOLOGISTS

On 21 November 1969, the following candidates, having satisfied the examiners, were admitted Fellows:

RADIODIAGNOSIS.—H. Baddeley, J. P. Balmer, P. R. Camm, R. U. Chowdhury, Margaret Cohen, J. M. C. Davies, R. W. N. Davis, J. D. Laird, B. W. Lawrie, P. Macpherson, D. J. G. Osborn, W. M. Park, H. J. Phillips, T. Selvarajah, M. E. Taylor, J. H. Visick, R. A. Wilkins, G. G. M. Woods, B. S. Worthington.

RADIOTHERAPY.—D. S. Andrew, K. Dehshiri, Elizabeth Grosch, M. E. Haque, M. N. Huda, K. W. James, J. M. Shepherd, S. G. Vaidya.

Rohan Williams medals were awarded to Dr. B. S. Worthington (radiodiagnosis,) and to Dr. Elizabeth Grosch (radiotherapy).

The following candidates, having satisfied the examiners, were admitted Fellows in October 1969:

RADIODIAGNOSIS.—R. H. Coates, Janet McCredie, J. P. Masel, C. N. Matthews, A. M. Moore, F. Schubert, K. J. Sherbon, L. Slonim, A. D. Smythe, W. G. S. Tucker.

RADIOTHERAPY.—S. J. Roberts, J. C. Wallace.

Rohan Williams prizes were awarded to Dr. K. J. Sherbon (radiodiagnosis), and to Dr. S. J. Roberts (radiotherapy).

The Faculty of Radiologists has now nominated postgraduate advisers in radiodiagnosis to the Regional Hospitals Boards throughout England and Wales; nominations for postgraduate advisers in radiotherapy will be made shortly.

Professor Zides des Plantes, of Amsterdam, has been invited to give the 34th Skinner lecture in November 1970.

ROYAL COLLEGE OF PHYSICIANS  
OF EDINBURGH

At a quarterly meeting of the College held on 3 February, with the president, Dr. Christopher Clayton, in the chair, the following were elected Members:

A. T. Wallace, I. D. Campbell, J. S. Frew, D. C. F. Muir, C. B. Kidd.

## 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: *Aitiology, 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.

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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.