

of diazepam and nitrazepam in routine therapy. Rasmussen writes on the surgical treatment of focal epilepsy, stressing the limitations of its role, and there is an interesting chapter by J. D. and K. Metrakos on the genetics of epilepsy, bringing out some recent views on genetic influences in the occurrence of focal seizures. The chapter on the principles of drug therapy simply restates what all who treat epileptics practise, and in this and other chapters there is a curious lack of interest in the effects of long-term medication on the blood picture, folate levels, etc., while the resurrection of pyknolepsy as a specific form of epilepsy is somewhat unwelcome.

As in all books of this type, there is a lot of repetition which could have been edited out, and there is no index, but the chapters are commendably brief and, even to a limited linguist, easy to read.

EDWIN R. BICKERSTAFF.

## Dangers of Digitalis

**Digitalis Intoxication.** By E. K. Chung, M.D. (Pp. 186+xi; illustrated. 117s.) Amsterdam: Excerpta Medica, 1969.

This comprehensive review of an important subject is timely because digitalis intoxication is probably becoming more frequent and also certain manifestations of toxicity are less well known than they should be.

The author states that congestive cardiac failure due to digitalis may be much more common than is recognized and he emphasizes that rapid dysrhythmias may be the only sign of intoxication. Atrial tachycardia with block is the best-known dysrhythmia, and Dr. Chung points out the interesting fact that by contrast atrial flutter is rarely a toxic sign. The especial liability of the young, old, and diuretic-treated patient to toxicity is fully dealt with, and the danger of electrical reversion in the digitalized patient is properly emphasized. The contents include chapters on the pharmacology and on the various preparations and use of digitalis in addition to the main ones on the diagnosis and treatment of intoxication. Potassium and phenytoin are said to be the best therapeutic agents, the latter being more effective with ventricular dysrhythmias. Full practical details on treatment are given.

Over a 100 electrocardiograms are well reproduced, though some of the blocks are

too small. The list of references is excellent apart from a few instances where regrettably the original paper is referred to only via a more recent publication.

This is a useful reference book especially for cardiological libraries. The price, however, is high.

A. HOLLMAN.

## Control of Living Systems

**Principles of Biological Control.** D. F. Horrobin. (Pp. 70; 15s.) Medical & Technical Publishing, 1970.

This short book is an attempt to describe biological control mechanisms in a way which is readily understandable by non-mathematicians in medicine and in the biological sciences. It seems also to have been the author's intention that it might be used by more intelligent sixth-formers.

The author is concerned throughout with general principles, and discusses positive and negative feedback mechanisms and systems with multiple detectors and effectors. Examples discussed include the control of hormone release and of blood pressure. An attempt is also made to apply some of these theories to the problem of hypertension. A criticism of this book which may be made is the rather too deliberate rejection of mathematical systems to describe biological control mechanisms. The author justifies his approach by emphasizing that biologists and doctors are often not mathematically trained. Fortunately this is now very much less true than it was, and in the future I suspect some medical students might not find the text mathematical enough. Despite these criticisms, the book may well be of value to the type of student for whom it is aimed.

K. W. TAYLOR.

## Fees and Medicine

**Paying the Doctor.** William A. Glaser. (Pp. 319; 95s.) Johns Hopkins, 1970.

This analysis by an American political scientist of the ways doctors are paid in 16 European countries shows that the method of payment is only one factor—professional ethics and individual conscience being at least as important—in determining

the quality of medical care. Most national systems are modifications of traditional practice, because doctors dislike change and governments dare not risk interruption of medical services for which the public always blames them. The prestige of doctors, however they are paid, is high everywhere and they get the best of nearly every confrontation. In Belgium in 1966, for example, a determined profession brought down the cabinet and got it replaced by one more favourable to its views; a much less united profession in France in 1960 failed only in its unrealistic rejection of any nationally organized system, but got a favourable settlement in every other respect.

There can never be a perfect pay system because doctors are motivated by so many factors besides money, and the three systems in use at present are no more than crude attempts to influence good medical care by remuneration. Fee for service—financially most attractive to doctors—encourages technical procedures rather than listening to the patient, injecting drugs rather than prescribing tablets, and favours surgical rather than medical and preventive specialties. Salaried service is administratively simpler but leads to uneconomic care, lack of initiative, and a disgruntled profession. Capitation fees foster continuity of care and reinforce the distinction between generalist and specialist by discouraging each from doing work better done by the other, but may cause unnecessary referral of time-consuming patients to hospital outpatient departments. This can be countered, as in Holland, by fining doctors whose referral rates are well above average but the other big disadvantage, absence of incentive to high quality work, is less easily dealt with as the British Royal Commission discovered when its recommendation of merit awards for general practitioners was thrown out by the general practitioners themselves. Nevertheless, capitation supplemented by extra weighting for people at greater risk and item of service fees for preventive work, as in the United Kingdom since the 1967 revised pay structure, or, as in Holland, by the possibility of substantial private practice for the energetic, stand out as the best current method for general practitioners' remuneration.

Regular modifications of any system are needed if it is to become more efficient, and this book with its wealth of relevant facts and figures is essential reading for anyone who hopes to influence negotiations.

ANDREW SMITH.

## Books Received

Books noticed here may be reviewed later.

**Coronary Disease Management:** Coronary Arteriography, Nitrates and the Triple Pedicle Operation. William H. Sewell, M.D., F.A.C.S. (Pp. 213; 88s.) John Wright, 1970.

**Treatment of Cardiac Arrhythmias.** Ed. Noble O. Fowler, M.D. (Pp. 233; \$9.50.) Harper & Row, 1970.

**The Conservative Management of Squint.** W. Aust, M.D. (Pp. 150; 46s.) S. Karger, 1970.

**The Discovery of the Unconscious.** The History and Evolution of Dynamic Psychiatry. Henri F. Ellenberger, M.D. (Pp. 932; 130s.) Allen Lane The Penguin Press, 1970.

**Your Mind and Your Health.** Harry Guntrip, Ph.D. (Pp. 149; 12s.) George Allen & Unwin, 1970.

**Clinical Investigation by Means of Haematology.** F. A. Ward, M.R.C.Path. (Pp. 164; 28s.) Butterworths, 1970.

**Brain Diseases.** A. Biemond, M.D. (Pp. 879; 480s.) Elsevier Publishing, 1970.

**Muscle Pathology:** Introduction and Atlas. J. Bethlem, M.D. (Pp. 132; 76s.) North-Holland Publishing, 1970.

**Symposium on the Domiciliary Care of the Patient with Cancer** held at The Royal College of Surgeons, London, May 1969. Ed. Ronald Raven, O.B.E., T.D., F.R.C.S. (Pp. 109; 36s.) Heinemann, 1970.

**Arterial Surgery.** H. H. G. Eastcott, F.R.C.S. (Pp. 412; 140s.) Pitman, 1970.

**Modern Surgery.** Ed. R. H. Egdahl, M.D., and J. A. Mannick, M.D. (Pp. 1,194; \$19.75.) Grune & Stratton, 1970.

**A Physiological Approach to Clinical Neurology.** James W. Lance, M.D. (Pp. 246; 84s.) Butterworths, 1970.

**Experiments and Techniques in Parasitology.** Ed. A. J. Macinnis and Marietta Voge. (Pp. 232; 40s.) W. H. Freeman, 1970.

**Therapeutic Advances in the Practice of Cardiology.** 2nd Cardiovascular Symposium Sponsored by St. Barnabas Hospital, New York. Ed. C. P. Bailey. (Pp. 470; \$22.50.) Grune & Stratton, 1970.

## Appointments

**LIVERPOOL REGIONAL HOSPITAL BOARD.**—R. Ellis Jones, M.B., D.P.H. (consultant psychiatrist in mental subnormality at Newchurch Hospital); J. B. Meade, M.B., M.Ch., F.R.C.S.I. (consultant cardiac surgeon at Broadgreen and Sefton Hospitals); T. W. Stewart, M.B., M.R.C.P.Ed. (consultant dermatologist with the Regional Hospital Board, United Liverpool Hospitals and Liverpool University).

**MANCHESTER REGIONAL HOSPITAL BOARD.**—M. A. Cheema, M.B., D.M.R.D. (whole-time or maximum part-time consultant radiologist, Rochdale and District group); J. B. Garston, M.B., F.R.C.S., D.O. (whole-time or maximum part-time consultant ophthalmologist, Oldham and District group); E. Gowland, M.B., M.R.C.P. (whole-time or maximum part-time consultant chemical pathologist, University Hospital of South Manchester); S. J. Gude, M.B., F.R.C.S., D.L.O. (whole-time or maximum part-time consultant E.N.T. surgeon, Burnley and District group); V. S. Nehama, M.B., D.P.M. (whole-time or maximum part-time consultant psychiatrist, Prestwich Hospital, Manchester).

**OXFORD REGIONAL HOSPITAL BOARD.**—R. A. N. Welham, M.B., F.R.C.S., D.O. (consultant ophthalmologist, Reading area).

**SOUTH-EAST METROPOLITAN REGIONAL HOSPITAL BOARD.**—R. Naylor, M.B., M.R.C.P. (consultant in geriatrics, Bromley, Cray Valley, and Sevenoaks group); G. R. Gerson, M.B., F.F.A., R.C.S. (consultant in anaesthetics, clinical area 1).

**WESSEX REGIONAL HOSPITAL BOARD.**—P. J. Appleton, M.B., F.F.A.R.C.S. (consultant in anaesthetics, Southampton); B. E. Gilliver, M.B., M.R.C.Path. (consultant in haematology, West Dorset).

## Universities and Colleges

### CAMBRIDGE

M.D.—L. R. I. Baker, M. Barry, R. W. Beard, N. H. Dyer, H. S. Jacobs, T. C. Northfield, W. S. Shand.

**Appointment.**—Mr. W. A. B. Smellie (university senior assistant surgeon to Addenbrooke's Hospital).

### BRISTOL

M.D.—R. J. Burwood, D. A. Griffiths, M. J. Lewis, J. B. Quartey-Papafio.

Ch.M.—K. E. F. Hobbs, P. J. B. Smith.

Ph.D.—In the Faculty of Medicine: R. W. Else, R. C. Povey.

M.B., Ch.B.—<sup>1</sup>J. H. Gillmore, <sup>1</sup>C. J. Tyrrell, <sup>1</sup>Mary P. Waller, J. D. Anderson, C. M. Asplin, P. G. Baker, P. H. Baylis, S. J. Bentley, B. P. Bishop, A. C. Burden, J. H. Burton, Wendy A. Campion, Heather G. Clemett, S. Court, <sup>1</sup>Susan K. Coward, <sup>1</sup>T. J. David, G. J. Davies, M. G. Davies, R. Doherty, D. J. Dye, Margaret S. Early, P. D. Edwards, D. J. Elliott, B. J. Fairbrother, Gillian A. Gaydon, A. G. F. Gibson, N. J. Halliday, Sylvia M. Hawkes, Carol M. Herbert, A. K. Hodson, D. C. Hogg, D. R. H. Jones, F. D. J. Lane, Hilary Le Page, P. P. Lowe, Elizabeth M. Lumsden, V. C. Martin, P. J. Metcalf, Patricia L. Mitchell, S. Mobasseur, P. J. P. Morgan, T. H. Morris, C. A. Niles, O. B. Ogunnaik, R. Pearson, G. C. Pegg, Milda E. Simpson, P. A. Standing, P. G. N. Thornton, Ilona Tobey, J. P. Virjee, R. M. Wagner, Rosemary M. Westlake, C. M. Wulwik.

<sup>1</sup>With honours. <sup>2</sup>Distinction in obstetrics and gynaecology. <sup>3</sup>Distinction in public health. <sup>4</sup>Distinction in child health. <sup>5</sup>Distinction in surgery.

**Appointments.**—Dr. J. Burke, Dr. K. J. Willis (demonstrators in pathology); Mr. D. M. Dent (lecturer in surgery); Dr. J. W. Foulds (lecturer in obstetrics and gynaecology); Dr. J. V. Lever (lecturer in pathology).

### SHEFFIELD

The following have been appointed honorary clinical tutors: Mr. J. D. Broderick (ophthalmology); Dr. C. D. Day (anaesthetics); Mr. R. A. Elson (orthopaedics); Dr. D. H. Harley (anaesthetics); Mr. W. Morris Jones (surgery); Mr. J. P. Martin (ophthalmology); Dr. D. G. M. Slyfield (psychiatry); Dr. M. Tayyab (anaesthetics).

The following have been appointed honorary postgraduate clinical tutors: Dr. D. B. Carron (Lincolnshire); Dr. D. Davies (Nottinghamshire); Dr. B. Kay (Derbyshire).

Dr. J. W. Emerson has been appointed honorary lecturer in human biology and anatomy.

**Appointments.**—Dr. A. J. Coup (lecturer in pathology); Mr. A. J. Dark (senior lecturer in ophthalmology).

M.B.—P. H. Brunyate, K. E. Hawton, R. E. Pounder, N. S. B. Tanner, J. R. Jarvis, M. L. G. Moynihan, Elizabeth A. Clyma, M. W. Ashmore.

## ROYAL COLLEGE OF SURGEONS OF EDINBURGH

At a meeting of the College held on 12 June, with Mr. J. R. Cameron, president, in the chair the following were admitted as Fellows:

S. K. Afridi, J. Christie, K. R. Krishnan, Surendra Kumar, Abdul Rehman (Zainuddin Fakhir), A. E. S. Richards.

## CONJOINT BOARD OF THE ROYAL COLLEGE OF PHYSICIANS AND ROYAL COLLEGE OF SURGEONS IN IRELAND

L.R.C.P. & S.I.—M. W. Adams, G. N. Ajam, J. E. Alcroft, I. I. Atchia, A. Balgobind, D. M. Balmer, A. A. M. Boga, Marguerite M. Braun, C. J. Browne, B. D. Byrnes, M. F. Chaudhary, E. S. Chetty, J. P. Corristine, J. W. Davey, D. B. Davidson, Rachael E. Davies, Barbara Deen, A. W. Denson, Rookayia Docrat, Catherine M. Donnelly, D. A. Ducker, S. L. Fay, Wannakuwattawaduge M. P. K. Fernando, J. B. Fibresima, P. M. Fröstad, I. Gaya, Elisabeth Heiberg, W. J. Hindle, Y. E. Ismail, R. B. John, M. M. Jones, V. Lund, F. J. McDonald, D. P. McInerney, R. Mahabir, M. A. Mahomed, Y. Mahomed, Hajra Meer, G. R. Moorad, A. R. Morrison, C. Mulaisho, B. D. Mulhern, K. P. Murray, Nilofar Murtaza, Bhagwathee Naidu, A. R. Nawoor, A. M. Omar, C. E. Osborne, D. P. O'Sullivan, R. A. F. Pantin, M. Parker, L. B. Pin, D. Raghunath, Angela M. Ramlal, Helen Redding, H. Reich, M. A. Seedat, Gnanambikai D. S. Pillay, J. N. Taylor, A. R. Tayob, H. Tayob, N. A. Thomas, R. W. Thomas, D. J. S. Triplett, M. G. Turner, R. J. Unsworth, R. Veerassamy, C. Vig, W. L. Williams, H. Windsor.

## ROYAL COLLEGE OF PHYSICIANS OF IRELAND

At a meeting of the College held on 5 June, the President, Dr. David M. Mitchell, admitted the following:

**HONORARY FELLOWSHIP.**—H. E. Counihan, T. B. Counihan, O. FitzGerald, R. Mulcahy, W. F. O'Dwyer, D. J. O'Sullivan, J. Vallance-Owen, O. Lyndon Wade.

**FELLOWSHIP.**—O. T. D. Loughnan, L. Doyle, B. E. Swain, M. Barry, A. M. Cantor, R. J. Skelly, P. Donnelly, D. O'B. Hourihane, S. D. Nelson, W. J. Nicholson, M. P. Awon (*in absentia*).

**MEMBERSHIP.**—J. N. Bell, B. St. J. Canning, J. N. Lavan.

## ROYAL COLLEGE OF OBSTETRICIANS AND GYNAECOLOGISTS

The following were admitted to the membership of the College on 30 May:

R. R. Adam, J. S. Barnes, J. S. Black, S. N. Campbell, A. G. Child, R. F. Edwards, W. B. Harding, Frances A. Hosking, P. R. Hunter, N. D. Jools, C. D. Mantell, R. L. Millard, Eng Wah Ong, J. C. Pennington, A. K. Rolland, P. R. Soppitt, R. Wein.

## FACULTY OF RADIOLOGISTS

On 15 May the following candidates, having satisfied the examiners, were admitted Fellows:

**Radiodiagnosis.**—A. J. Byrne, J. E. Dacie, P. M. Dee, A. B. Dew, F. N. Gidwani, J. J. Glancy, R. S. Harris, K. J. Indra, P. Jenkins, H. Ludin, R. G. K. McCauley, H. B. Nunnerley, J. C. Parker, D. G. Shaw, J. C. S. Smith, B. J. Trenwith, A. K. Tucker, F. Warwick.

**Radiotherapy.**—S. J. Arnott, G. N. Ege, J. E. Freeman, D. G. Jenkins, V. H. J. Svoboda.

Rohan Williams medals were awarded to Dr. D. G. Shaw (University College Hospital) in radiodiagnosis, and to Dr. J. E. Freeman (Royal Marsden Hospital), in radiotherapy.

The 1970 Kodak scholarship has been awarded to Dr. J. M. Dawson (Hammersmith Hospital), who hopes to visit the United States.

The 1970 Ilford scholarship has been awarded to Dr. N. Y. Khattar (Egypt).

The 1969 Twining medal has been awarded to Dr. P. Dovey.

## ROYAL COLLEGE OF PATHOLOGISTS

The following candidates have been admitted to the Membership:

S. A. Ahmed, F. E. Andre, Asne H. Antonis, T. J. Betteridge, A. J. Black, A. L. Buckley, S. T. G. Butterworth, D. M. H. De Kretser, D. J. deSa, Jennifer L. Dyson, G. F. Follett, C. S. Goodwin, G. J. Hardy, J. M. Hopkinson, P. K. Hopper, M. M. Islam, E. L. Jones, A. Kungu, Joan Lamb, Elizabeth A. Letsky, J. V. Lever, Geraldine M. McCarthy, I. W. McDicken, Rosemary R. Millis, A. Montgomery, D. A. Montgomery, J. S. Oakey, C. A. Pennock, D. S. Reeves, Krystyna Rowland, R. Rowland, J. K. Shaba, G. Shulman, D. C. E. Speller, W. G. S. Spilg, J. G. Tetley, D. Thomson, Anne H. C. Uttley, A. M. Ward, C. A. J. Wardrop, Janice Went, P. J. Whitehead, D. G. D. Wight, J. K. Wood.

## ROYAL COLLEGE OF GENERAL PRACTITIONERS

The following have been appointed honorary tutors in general practice:

P. E. Byrne (Galway, Ireland); B. Colville (Leeds); J. Corbett (Wellingborough, Northants); D. F. Coulter (Bridgend, Glam.); M. Dale (Walsall, Staffs.); E. J. J. Davies (Corwen, Merioneth); D. Dean (Shard End, Birmingham); K. G. Dickinson (Birmingham); A. Elliott (Chester); D. A. Furniss (Leeds); J. Garson (Wirral, Cheshire); C. Green (Birmingham); D. J. Handford (Birmingham); C. M. Harris (Bootle, Lancs.); L. J. Higgins (Co. Derry, N.I.); P. H. Holmes (Mirfield, Yorks.); T. Horner (Belfast); R. C. Humphreys (Breconshire); B. Humphreys (Liverpool); D. H. Judson (Shipley, Yorks.); A. Laidlaw (Worcester); J. A. Lee (London, S.E.3); T. J. Lee (London, S.W.18); A. U. MacKinnon (Leeds); R. L. Meyrick (Bromley, Kent); N. E. Nathanson (Bebington, Cheshire); P. O'Brien (Warrington, Lancs.); B. H. Pentney (London, S.E.21); J. Price (South Kirkby, Yorks.); J. H. Price (Birmingham); L. A. Ruben (London, S.E.21); M. E. R. Samson (Denbighshire); J. Spears (Coventry); C. G. W. Sykes (Huddersfield); A. Torrance (Coalville, Leicester); L. E. Tyler (Wolverhampton); P. Vardy (Runcorn, Cheshire); C. Watson (Leeds); N. D. Wright (Belfast); E. Wynne-Jones (Caern., N. Wales); R. Yorke (Formby, Lancs.); G. S. Adams (Ashford, Middlesex); R. J. Bennisson (Bishops Cleeve); F. W. Blacklay (Nantwich, Cheshire); D. Brooks (Manchester); K. Browne (Hillingdon); J. F. Burdon (Paignton); R. J. O. Catlin (Chelmsford); A. D. Clift (Manchester); J. R. Clyne (Salford); M. B. Clyne (Southall); J. R. Coope (Macclesfield); J. A. S. Forman (North Devon); P. Freeling (Southall); D. J. Pereira Gray (Exeter); J. M. S. Grieve (Tadmorden, Lancs.); D. Hawkins (Romford); J. Jackson (Lancaster); S. Jenkins (Bury); G. Jessup (Manchester); C. R. Kay (Manchester); G. Lloyd (Oldham); S. Long (Basildon); T. O. McKane (Dunmow, Essex); M. Marinker (Grays, Essex); G. Melotte (Hanworth); A. H. Michael-Phillips (Rochdale); W. Moore (Barnet); N. L. Paros (Colchester); H. R. Playfair (Plymouth); I. Ramage (Blackburn); S. G. Siddle (Poulton-le-Fylde, Lancs.); J. D. Sinson (Leeds); F. S. Shepherd (Southall); B. C. S. Slater (Harrow); M. C. Stone (Leigh, Lancs.); J. Waddell (Stretford, Lancs.); G. S. Waite (Ashton, Lancs.); M. A. Weller (Thaxted); A. Whitewright (Bolton).

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