

come to clinical research. A large part of the text is devoted to the problems of organizing follow-up studies, both retrospective and prospective, on which our knowledge of long-term prognosis must necessarily be based. The advice is full of common sense and any novice who followed their general directions would be greatly helped. The topics covered include the collection and recording of clinical data, the organization of a follow-up clinic for prospective studies, and methods of treating data. Also there is an excellent chapter on

the presentation of results.

It seems to me that clinical research embraces much more than is even mentioned in this book, as it obviously includes, among other things, short-term physiological, pharmacological, and biochemical studies on human beings with any kind of disease. Furthermore, controlled therapeutic trials of drugs are not covered in any detail. However, the fact that the authors have restricted themselves to a somewhat confined view of clinical research has probably helped them to write briefly and with vigour on

the important aspects of clinical research which they know well.

There are plenty of books dealing with statistical methods, computer analysis, and life-tables, but most of these fail to tell the novice clinical research worker how to set about his first study. The ordinary physician or surgeon who is busily engaged in clinical work and who wants to organize some of his clinical experience in order to advance knowledge is likely to get much more help from the slim volume now being reviewed.

S. C. TRUELOVE

Clinical Care of Patients

The Metabolic Basis of Surgical Care. William F. Walker, F.R.C.S., and Ivan D. A. Johnston, F.R.C.S. (Pp. 251; £3.) Heinemann. 1971.

"The purpose of this book is to give a concise account of the composition and metabolism of the body in health and disease. . . . This book is offered to clinicians who have day to day care of patients in hospital . . . to students preparing for their final examination . . . to junior hospital doctors who face the primary examination in basic medical sciences."

These statements are from the preface, so this book must be judged on its success in explaining a fairly complex subject to non-specialist readers. Generally speaking it succeeds, and readers will repeatedly find it of value for reference in difficult situations.

The early chapters are on the composition of the body, water and electrolyte metabolism and their disorders, nutrition,

and the metabolic response to injury. Chapters on the vital and practical subjects of circulatory homeostasis and hydrogen ion regulation follow, and these offer a good sample of the authors' approach. A large amount of information is clearly set out and if carefully read these chapters are very useful. The chapter on hydrogen ion regulation is made significantly harder to read by the way in which the subsection headings have been worked out, and the printer could have helped by deploying a wider range of type faces. This criticism applies elsewhere. However, I found the effort required was rewarded by a very good exposition.

Some tightening up of the advice given is needed. At one place we are advised to treat haemorrhagic shock initially with plasma expander or group O blood, while five pages later we are advised to give Hartmann's solution until blood is cross-matched. Is it wise to suggest that blood

volume studies with radioactive albumin should be taking place in the urgent shock situation when considerable doubt has already been cast on their value a few pages back? It seems a pity to classify degrees of shock in Table 25 by systolic blood pressure levels when the limitations of blood pressure in assessing the severity of shock have, very properly, been pointed out.

Intravenous feeding is a topic which will interest many surgeons and this book gives a helpful and clear account. More specific practical advice on the design of the diet would be useful. The technique section might usefully devote space to the safer method using peripheral veins with a Y-connexion to allow simultaneous infusion of two solutions.

In all, the writing is clear and concentrated, and a considerable area of the subject covered in some 250 pages. Numerous well-chosen references are quoted.

PETER F. JONES

65 Years—the Watershed

Retirement in American Society. Impact and Process. Gordon F. Streib, and Clement J. Schneider, S.J. (Pp. 316; £5.) Cornell University Press. 1972.

This is a report on the Cornell study of occupational retirement in which a fairly representative, predominantly white, urban population of regularly employed persons were examined with a questionnaire method before and after they had reached retirement age. Those who did not retire during the seven-year period of observation, in which they were contacted once a year, were used as a control group. The authors, who are sociologists, aimed at determining the effects of retirement on the individual's self-evaluation of his health, on his objective and subjective economic condition, his satisfaction in life, and his feeling of usefulness.

Of the original research population of 3,793 70% answered the first questionnaire and 1,969 participated to the end of the study, an unusually high proportion in this kind of follow-up. Most of the drop-outs belonged to the lower income groups and a relatively high proportion of them were foreign-born. One hundred participants were interviewed personally.

Decline in physical and mental health was not more marked among the "retirees" than among those who continued working. The former only rarely felt deprived economically, although their incomes dropped by more than half on the average. Less than a quarter of them expressed a feeling of uselessness. Attitudes before retirement were found to be more influential in determining satisfaction or dissatisfaction with it than was retirement itself. Its future adverse effects tended to be overestimated.

Much has been made of loss of roles as the result of retirement, but, as the role expectations of the old are limited, loss of roles is acceptable to most of them.

This interesting longitudinal study leaves only one lingering doubt. Are the respondents who participated to the end representative of the study population, or does the rosy picture of old age and retirement fit only those who are in the habit of answering questionnaires? The authors were aware of this problem and compared available particulars of the drop-outs with those of the participants. They found that the former, when first contacted, were more pessimistic about retirement and had lower self-evaluation of their health than the latter. Future investigations of this type will have to find ways and means of keeping the loss of study population to a minimum.

E. STENGEL

SELECTED NEW TITLES

An Introduction to the Physics of Diagnostic Radiology. Edward E. Christensen, M.D., Thomas S. Curry, III, M.D., and James Nunnally, M.A. (Pp. 252; £6.50.) Kimpton. 1972.

A Manual of Cardiac Arrhythmias. Michael Bilitch, M.D. (Pp. 295; £6.) Churchill Livingstone. 1971.

Statistics in Small Doses. Winifred M. Castle, M.B. (Pp. 216; £2.) Churchill Livingstone. 1972.

The Kidney in Health and Disease. Charles F. Geschickter, M.D., and Tatiana T. Antonovych, M.D. (Pp. 189; £4.40.) Lippincott. 1972.

Paediatric Fluid Therapy. F. Harris, M.D. (Pp. 154; £2.25.) Blackwell. 1972.

An Introduction to Practical Biochemistry. David T. Plummer, Ph.D. (Pp. 369; £3.50.) McGraw Hill. 1971.

Annual Progress in Child Psychiatry and Child Development 1971. Ed. Stella Chess, M.D., and Alexander Thomas, M.D. (Pp. 614; £7.) Butterworths. 1971.

Non-Specific Mesenteric Lymphadenitis. V. Tuchel. (Pp. 140; £7.05.) Karger. 1972.

the 1972 Hamilton Bailey prize, a travelling scholarship worth £750. Consultants and senior registrars in surgery, anaesthetics, pathology and radiology may apply. The closing date is 31 May and details are obtainable from the honorary secretary, British Section, I.C.S., Royal Northern Hospital, Holloway Road, London N.7

People in the News

Mr. R. Campbell Connolly has been appointed as civilian consultant in neurosurgery to the Royal Navy.

COMING EVENTS

Royal College of Physicians of London.—Teaching, "Infective Carditis," 2 May, 8 p.m. For details see advertisement.

Classification Society.—Day meeting, "The Identification of Clusters within Distributions—the Hydra of Medicine, the Platt-Pickering Controversy," 3 May, 10.30 a.m., Royal Society of Medicine, London W.1. Details from Dr. P. H. N. Wood, Arthritis and Rheumatism Council Clinical Sciences Building, York Place, Manchester M13 0JJ. (Tel. 061-273 4441.)

Myasthenia Gravis Committee.—Third national meeting, 7 May, New End Hospital, Hampstead, London N.W.3. Details from the executive director, Muscular Dystrophy Group of Great Britain, 26 Borough High Street, London S.E.1.

European Society for Clinical Respiratory Physiology.—Meeting, "Bronchodilation," 11-13 May, Dublin. Application forms and details from Dr. T. T. C. Chapman, Pulmonary Unit, Baginbode Street Hospital, Dublin 4, Eire.

National Heart Hospital Surgical Lecture.—"Cutting for Stone—Calcification and Cardiac Surgery," by Mr. J. Keith Ross, 15 May, 5 p.m., at Royal College of Surgeons of England.

Journées Internationales de Cardiologie.—15-17 May, Paris, under the auspices of the Société Française de Cardiologie. Details from Professor J. Facquet, Hôpital de la Salpêtrière, 47 Boulevard de l'Hôpital, 75-Paris-13e France.

European Society for Dermatological Research.—Joint meeting with Society for Investigative Dermatology, 17-19 May 1972, Amsterdam. Details from the secretary, European Society for Dermatological Research, Fondation Ad. de Rothschild, 29 rue Manin, Paris 19e, France.

British Burn Association.—Annual meeting, 18-19 May, Institute of Royal Naval Medicine, Alverstoke, Gosport, Hants. Details from Mr. J. Ellsworth Laine, Odstock Hospital, Salisbury, Wilts. (Tel. 0722 5111.)

Indian Medical Association (Great Britain).—Annual dinner, 20 May, St. Ermin's Hotel, London S.W.1. Tickets £4. Details from Dr. R. Gaird, St. Olave's Hospital, Lower Road, London SE16 2TS. (Tel. 01-237 4311.)

International Society for the Study of Diseases of the Colon and Rectum.—Fifth International Congress of Hedrologicum Congress, 23-25 May, 1972, in Göteborg. Details from Dr. Bruno Sannenius, Secreary, Kungssportsavenyen 37 S-411 36 Göteborg, Sweden.

Medical Conferences in Bucharest.—National Congress of Normal and Pathological Morphology, 24-26 May; National Conference of Ophthalmology, 21-22 September; 2nd National Congress of Endocrinology, 27-29 September; 1st National Conference of Parasitology, 5-6 October. Details are obtainable from the secretary, Union of Societies of Medical Sciences, 8-10 Str. Progresului, Sector VII, Bucharest, Rumania.

Spanish Society for Oral and Maxillofacial Surgery.—Third national congress, 31 May-3

June, Salamanca. Details from the secretary of the congress, Social Security Sanatorium, Paseo de San Vicente 24, Salamanca, Spain.

Catholic Marriage Advisory Council.—Conference, "Adolescence—Especially in Preparing for, and Early Marriage," 2-4 June, Rugby, Staffordshire. For details see advertisement.

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 May

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—5.30 p.m., Clinicopathological conference.
LONDON UNIVERSITY.—At Bedford College, N.W.1, 6 p.m., psychology lecture-I by Professor K. H. Pribram (Stanford, U.S.A.): A Monodology of Sensory Processes.
ROYAL POSTGRADUATE MEDICAL SCHOOL.—4.30 p.m., Professor L. Reid: Aetiology of Chronic Bronchitis and Emphysema; 6 p.m., anaesthetics lecture by Dr. J. Norman.

Tuesday, 2 May

INSTITUTE OF OBSTETRICS AND GYNAECOLOGY.—At Hammersmith Hospital, 2 p.m., Mr. E. E. Phillip: Maturity of the Fetus. (Admission by ticket only, obtainable from secretary, Institute of Obstetrics and Gynaecology, Chelsea Hospital for Women, London, S.W.3.)*
ROYAL POSTGRADUATE MEDICAL SCHOOL.—4.30 p.m., Dr. G. Cumming: Structural and Functional Failure in the Lung.
BIRMINGHAM MEDICAL INSTITUTE.—8.15 p.m., Dr. M. Sim: The Dual Role of Psychiatry.

Wednesday, 3 May

DUNDEE UNIVERSITY.—5 p.m., Professor W. S. Feldberg, F.R.S.: A New Outlook on Regulatory Mechanisms of Body Temperature.
INSTITUTE OF PSYCHIATRY.—5.30 p.m., Professor J. K. Wing: The Concept of Schizophrenia: the Value of a Medical Model.*
LONDON UNIVERSITY.—At Bedford College, N.W.1, 6 p.m., psychology lecture-II by Professor K. H. Pribram (Stanford, U.S.A.): The Achievement of Acts.
OXFORD UNIVERSITY.—At Radcliffe Infirmary, 5 p.m., Dr. D. J. Bradley: Premunition and Successful Parasitism.
ROYAL COLLEGE OF PATHOLOGISTS.—At Royal College of Physicians of London, 5.45 p.m., Roy Cameron lecture by Professor H. L. Sheehan: Pathology of the Hypothalamus.
ROYAL FREE HOSPITAL.—5.15 p.m., Dr. D. K. Peters: Immunological Basis of Nephritis.
ASSURANCE MEDICAL SOCIETY.—At 11 Chandos Street, London, W.1, 5 p.m., Dr. C. Hardwick: Recent Trends in Diabetes.
INSTITUTE OF DERMATOLOGY.—4.30 p.m., Dr. Y. M. Clayton: Epidemiology of Fungus Infections.

Thursday, 4 May

INSTITUTE OF OBSTETRICS AND GYNAECOLOGY.—At Chelsea Hospital for Women, 11.15 a.m., discussion by Mr. W. Hendry: Urinary Tract Injuries in Gynaecology. (Admission by ticket only, obtainable from secretary, Institute of Obstetrics and Gynaecology, Chelsea Hospital for Women, London, S.W.3.)*
ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5.30 p.m., Joseph Toynbee memorial lecture by Professor H. Engström: Some Principles in Structural Organization of Inner Ear Sensory Epithelium.
ROYAL POSTGRADUATE MEDICAL SCHOOL.—4.30 p.m., Professor P. J. Lawther: Smoke and the Lungs.

Friday, 5 May

LONDON UNIVERSITY.—At Bedford College, N.W.1, 6 p.m., psychology lecture-III by Professor K. H. Pribram (Stanford, U.S.A.): Whither Associations?
ROYAL COLLEGE OF SURGEONS OF EDINBURGH.—4.30 p.m., Professor H. L. Duthie: Surgical Treatment of Cushing's Disease.
ROYAL POSTGRADUATE MEDICAL SCHOOL.—11 a.m., Mr. K. Bloor: Treatment of Dissecting Aneurysms.

UNIVERSITIES AND COLLEGES

LONDON

M.D.—D. E. Barnardo, Alison Ross, M. I. D. Cawley, M. G. Geall, F. I. D. Konotey-Ahulu.
M.S.—N. A. Boyd, J. S. Waters.
Ph.D.—In the Faculty of Medicine: I. E. Addison, Stephanie J. Barnes, D. P. Bremner, D. J. Alexander, Tin Shive, Anita M. Tunstall, W. M. Allen, Ruth Evron, N. S. Patel, F. W. D. Rost, T. Ponnudurai.

ROYAL COLLEGE OF SURGEONS OF ENGLAND

At a quarterly meeting of the council held on 13 April, with Sir Thomas Holmes Sellors, president, in the chair, the Jacksonian prize for 1971 was

awarded to Mr. J. P. Mitchell, for his essay on "Haemostasis in Transurethral Surgery."

Professor W. J. Tulley was appointed Charles Tomes lecturer for 1973.

The re-election of Dr. C. F. Scurr and Professor J. G. Robson as dean and vice-dean of the Faculty of Anaesthetists for 1972-73 was reported.

Mr. D. M. Dunn (Colchester), and Mr. R. D. Rowlands (Taunton), were elected to the Fellowship *ad eundem*.

The following were elected to the Fellowship as practitioners of more than twenty years' standing:

Dr. K. L. Batten (Jerusalem), Sir Eric Bradbury (London), Dr. D. S. McKenzie (Rochampton), Dr. B. C. Morson (London), Dr. H. A. Sissons (London), Dr. W. D. Wylie (London).

Professor C. H. Tonge (Newcastle upon Tyne), Dr. Jarmil Kostlan (Copenhagen), and Professor Gosta Gustafson (Lund, Sweden), were elected to the Fellowship in Dental Surgery.

Dr. Robert Dripps (San Francisco), Professor J. Crul (Nijmegen), Dr. F. G. Maitland (Jersey), Dr. L. A. Gibbons (Surrey), and Dr. H. F. Poppelbaum (East Berlin), were elected to the Fellowship in the Faculty of Anaesthetists.

Hallett prizes were presented to Dr. M. A. M. Ayoub (Cairo), and Dr. R. H. C. Markham (London).

The Handcock prize was presented to Dr. T. H. Baker (Uttroxteter).

The Begley prize was awarded to Dr. H. Sheppard (Birmingham).

A diploma of Fellowship in Otolaryngology was granted to S. L. Liston, and diplomas of Fellowship in the Faculty of Anaesthetists were granted to J. H. Burke and Y. Ch'en.

Diplomas were granted, jointly with the Royal College of Physicians of London, as follows:

D.L.O.—S. Nirmalananda, B. K. Sinha.

D.P.M.—K. J. Monick.

ROYAL COLLEGE OF GENERAL PRACTITIONERS

At the spring general meeting held on 9 April at Liverpool, the president, Dr. G. I. Watson, invested Professor C. R. Lowe as an Honorary Fellow.

Dr. K. C. Easton was presented with the Foundation Council award "in recognition of his immense contribution to medicine and the community in founding the Road Accident Aftercare Service."

The following were elected Fellows:

A. G. Beattie, W. E. Bowden, W. A. Brown, W. A. Colling, J. A. Currie, R. F. Dawson, A. E. Elliott, P. Freeling, I. C. Fuller, T. H. H. Green, D. A. Haldane, D. H. Irvine, G. N. Marsh, D. S. Napier, N. G. Nicholson, A. M. Semmence, F. P. Walt, C. Watson, H. J. Wright.

ROYAL AUSTRALASIAN COLLEGE OF PHYSICIANS

M.R.A.C.P.—A. H. Waters, R. G. Adler, B. S. Andrews, W. J. Benson, G. M. Budd, J. N. Carter, P. A. Chalmers, A. W. G. Gale, J. R. Graham, R. A. Husband, A. J. Keller, G. D. Kerr, P. R. Lucas, A. D. MacLennan-Cross, C. S. May, J. R. McGill, B. P. McGrath, S. M. Packer, A. S. Patel, S. Pond, P. A. Scamps, J. A. Schaefer, B. S. Singh, J. A. Steiner, H. A. D. White, M. G. Yeates, D. K. S. Yue, J. M. Bradfield, J. A. Ward, R. W. Beal, C. P. V. Evans, J. D. Fewings, J. L. Gollan, N. D. Hicks, A. G. McKinnon, R. P. Pollnitz, E. Thomas, A. J. Woodroffe, P. M. Brookes, S. N. Anavekar, K. P. Bradbury, J. B. Brennan, N. T. Campbell, J. T. Counsell, I. B. Driscoll, J. C. Duggan, R. C. Franklin, D. L. Harding, J. G. Hindhaugh, D. L. Johnson, D. G. Legge, R. Marks, M. L. Murnane, D. M. O'Sullivan, J. G. Rogers, W. J. Spicer, G. R. Stein, J. G. Stuckey, J. R. Sullivan, C. D. Thompson, C. C. L. Wane, G. L. Warne, R. A. Watts, V. Yan, G. C. Archibald, D. M. J. Barry, J. J. Baskett, L. D. Blumhardt, J. E. Clarkson, J. G. Davidson, J. C. Doran, A. H. B. Gillies, R. R. Grigor, H. J. B. Guy, M. K. Heng, N. McL. James, M. G. Nicholls, J. G. Pascoe, D. N. Sharpe, K. P. Smith, H. J. Smith, A. R. Varcoe, R. E. Vlietstra, L. A. Wilson, J. M. Wishart, R. W. M. Yuen.

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