
interesting to learn that the antibioticantimitotic drug mithramycin may be of considerable value.

Chapters 20 and 21 (the chapters are numbered consecutively from the start of Volume I) are on electrolytes and water metabolism and renal disease. Treatment for these conditions is far more effective than in the past and it is clearly presented. Nevertheless, haemodialysis and renal transplantation are dealt with rather too briefly, even for a student's textbook. No figures are given for duration of survival after these measures. The risk to personnel in haemodialysis units and the organization of international collaboration in transplantation of kidneys might have been mentioned. The treatment of disorders of metabolism, including diabetes and vitamin deficiency, is on well-established lines. The final chapter on acute poisoning indicates the value of non-specific resuscitative therapy and the help that may be obtained from the various poisons information centres.

In all, this is a practical, well balanced, up to date, and readable volume.

L. J. WITTS.

About Bone

The Physiology of Bone. Janet M. Vaughan. (Pp. 325; 50s.) Clarendon Press. 1970.

This book on the physiology of bone is the work of a single author, and as such it must be reckoned an impressive achievement. There are about 900 references (with titles) to previous work in it—apart altogether from a subject and an author index and a detailed table of contents. The last three make the book easy to use.

The term physiology of bone has been taken to embrace a considerable amount of anatomical and chemical structure, and at least a third of the book is devoted to this. Some of the microscope photographs and autoradiographs illustrating this part of the book are excellent. The exchanges of calcium, magnesium, and phosphorus between the plasma and the intestine and the movement of ions into and out of the skeleton are also considered before we reach a discussion of the role of the skeleton in maintaining mineral homeostasis and an account of the hormones, vitamins, and minerals involved in this. The last chapter deals with a number of the enzymes found in bone and cartilage.

This book is unquestionably a good one and will probably become a "must" to anyone interested in bone, whether he be a student or an investigator. It is not, however, an easy book to read. Many of the words and phrases are highly specialized,

and a considerable amount of background knowledge is required to get the most out of it. At the same time it is sometimes disappointing to look up some tit-bit suggested by the index or the table of contents only to find references rather than considered opinions. It may be that a single mind can no longer cover a subject as large as this in a personal way, and that one should not regard the book as a student's textbook or an investigator's work of reference, but as an inspiration to them both to fill up the gaps in their knowledge by further reading.

R. A. McCance.

Duncan's "Metabolism"

Diseases of Metabolism. 6th edition. Genetics and Metabolism, Endocrinology and Nutrition. Ed. Philip K. Bondy, M.D. (Pp. 1413; illustrated.) Two volumes; sets 331s. 6d. single volumes 178s. 6d. London: W. B. Saunders. 1969.

The editorship, authorship, format, and content of this classic text have all been changed; only the title remains inviolate. The new "Duncan" is a child of its time, fathered by men who have grown up in the era of scientific medicine and at a time of great expansion in biochemistry. Their writings are a tribute not only to themselves but to an intellectual environment which has enabled them to produce such a satisfactory clinical and scientific amalgam in their work.

Volume 1 covers genetics and metabolism. Though the clinical and biochemical aspects are interspersed and well integrated throughout the book, the early chapters, which deal specifically with fundamental genetics and intermediary metabolism, will provide a useful reference work in their own right. This section is followed by excellent chapters on disorder of carbohydrate metabolism, lipid metabolism, sphingolipidoses, the amino acid disorders, purine and pyrimidine metabolism, porphyrins and porphyrias, disorders of bilirubin metabolism, and connective tissue disorders. A great deal of detailed information has been condensed into these well-written and in some cases extensively illustrated chapters.

Volume 2 is a text book of endocrinology with also a section on nutrition. The endocrine glands including the gonads are covered in a series of chapters dealing with their physiological, biochemical, and clinical aspects. There are also chapters on neuroendocrine interrelations, aldosterone, water metabolism and the neurohypophysis, and on acid base balance. The section on nutrition is relatively short and deals with malnutrition, obesity, vitamins and the metabolism of the trace metals, copper, zinc, and manganese. Each chapter is followed by long lists of references. The authors have

been given the opportunity of bringing their contributions up to date in a series of addenda which are published at the end of each volume and this is a useful innovation.

This sixth edition of Duncan's Diseases of Metabolism can be recommended as a comprehensive reference text for clinicians and for laboratory workers who are concerned with human metabolic and endocrine problems.

R. W. E. WATTS.

"Doctors in Law"

The Doctor and the Law. J. Leahy Taylor. (Pp. 176; 40s.) Pitman. 1970.

Legal aid, the National Health Service, and the liability of hospitals for possible negligence by their staff have resulted in increased litigation of doctors and a heightened consciousness in the profession of its legal responsibilities. Leahy Taylor's book is particularly apposite in this respect, dealing comprehensively with the pitfalls that may beset the doctor with an authority based on experience and wisdom distilled after years of counselling in the medical secretariat of the Medical Protection Society.

The book covers the whole field of medical protection from possible mishaps affecting fledgling students to the murky depths of professional misconduct. The doctor's relationship and standing to police and solicitors is put in a novel and correct perspective, as are all matters pertaining to appearances in courts and other aspects of criminal law in relation to medicine. The practitioner faced with an allegation of assault, defamation, or negligence never deals with the matter satisfactorily without immediate advice from his medical defence organization, and often, if this is not obtained, his ignorance, anxiety, and panic allow him to commit errors greater than that of which he has been suspected or accused. In this context case reports from the Medical Protection Society vividly illustrate doctors' dilemmas. The author's lively literary style prevents such medical matters being dealt with in a dull, prosaic, or monotonous fashion

Though the book mainly concerns the newly qualified younger doctor it will undoubtedly appeal to medical men of all ages. It is not only instructive but highly readable and entertaining. The practitioner may put it on his bedside table at the end of a busy day with a wry but thoughtful smile for some of his less fortunate colleagues' activities and misdemeanors. "Doctors in Law" would be an equally good title for this excellent book, which is a really valuable addition to a forensic library.

D. A. L. Bowen.

Books Received

Books noticed here may be reviewed later

Textbook of Human Histology. Bruce D. Fallis and Robert D. Ashworth. (Pp. 244; 85s.) J. & A. Churchill. 1970.

The Early Diagnosis of Urinary Tract Infection. A. W. Asscher. (Pp. 31; 2s. 6d.) Office of Health Economics. 1970.

A Medical Bibliography: 3rd edn. (Carrison and Morton) An Annotated Check-list of Texts Illustrating the History of Medicine. Leslie T. Morton. (Pp. 872; 252s.) Andre Deutsch. 1970.

The New Female Sexuality. Manfred F. DeMartino. (Pp. 236; 42s.) New English Library. 1970.

Physical Foundations of Radiology. 4th edn. Paul N. Goodwin, et al. (Pp. 397; \$15.00.) Harper & Row. 1970.

The International Handbook of Medical Science. Ed. David Horrobin and Alexander Gunn. (Pp. 744; 75s.) Medical & Technical Publishing. 1970.

Practical Surgical Management. A. M. C. Macgregor, F.R.C.S. (Pp. 140; 20s.) E. & S. Livingstone. 1970.

The Human Body and the Law. A Medico-legal Study. D. W. Meyers. (Pp. 203; 45s.) Edinburgh University Press. 1970.

Universities and Colleges

DUNDEE

At a graduation ceremonial held on 6 July, the following degrees were conferred:

Hon. LL.D.—Sir Ian Hill.
CH.M.—¹D. J. Cowley, ¹Caroline M. Doig.
M.B., CH.B.—¹Jacqueline M. Shults, *G. P. Edlin,
E. M. Grundy, Valerie C. Marsh, Penelope S. Millington,
J. H. Parsons, C. D. Reid, Karalyn E. McL. Stewart,
J. D. Vince, T. Walmsley, L. J. Williams.
¹With commendation. *In absentia.

The following certificates and diplomas have been awarded:

CERTIFICATE IN INDUSTRIAL HEALTH.—J. D. Bell, H. Clark, J. E. Davies, W. McRoberts, A. J. Mutch, W. J. C. Scott, P. A. Tonkin.
DIPLOMA IN INDUSTRIAL HEALTH.—O. F. C. Da Cunha, A. S. Nethercott, I. A. Susman, C. B. Thomson, D. D. Walker.

DIPLOMA IN PUBLIC HEALTH.—M. I. Ahmed, A. Bayoumi, E. A. Ismail, A. I. I. Malik, M. M. Mansour, A. M. Nur, H. A. J. Saleh, O. El-Hag Sulieman, B. K. Surer, M. B. A. Zarroug.

ST. ANDREWS

At a graduation ceremonial held in Dundee on 6 July, the following degrees were conferred:

MB., Ch.B.—'Elizabeth M. Green, 'M. J. Young, J. M. Aitken, A. W. Baboolal, C. R. Barraclough, N. R. Bennett, A. K. Black, I. Bone, Elizabeth D. Bradley, A. Bratt, P. M. Bray, R. A. Burnett, B. L. Cartwright, J. E. Carvell, Jean-Claude Ng Fat Cheung, M. F. Cheyne, G. L. Cooper, A. K. Davis, F. W. D. Debney, H. A. Dickinson, J. W. Dides, P. F. Dolan, Myfamwy E. Earp, D. J. Ellis, Lesley E. Ellison, D. B. L. Finlay, J. G. Forbes, J. J. Glenn, J. Hall, M. F. Hasenfuss, Marie P. Healy, Elizabeth C. Henderson, Margaret Hicks, D. C. B. Holt, G. Hooper, E. Inglis, J. Inglis, D. A. Ingram, A. D. Irving, B. J. R. Junor, R. D. Keir, W. Lenney, D. McGlashon, C. R. Mackie, J. W. McQuitty, S. L. Mann, R. A. Marsden, M. W. E. Miskelly, L. G. Moonie, D. Van Den Eede Mowat, Julij Nikoliuk, R. H. Pawson, C. A. J. Prescott, R. N. Rankin, Janice A. Richard, K. A. Russell, Mary F. Savory, J. D. Scott, Dorothy Senior, J. N. Shaw, B. C. H. Smith, Janet M. Stokes, I. L. Swann, Ruth A. Taylor, D. J. Wheatcroft, T. I. R. Williams, A. J. J. Wood, J. W. Wright.

GLASGOW

GLASGOW

M.D.—Helen P. McEwan, 'A. M. Mackay, 'Rona McL. MacKie.

Ph.D.—In the Faculty of Medicine: K. C. Calman, H. C. McKirdy, G. R. Sharp, P. S. Smith.

M.B., C.H.B.—W. C. R. Agunwah, Abu-Baker S. Al-Beidh, Joycelyn A. Allison, 'E. McA. Armstrong, J. K. Aronson, M. B. Ashton, C. S. Baillie, Gillian M. Baird, D. Bancewicz, Margot C. Barr, Sheila J. Binnie, S. Bissoonauth, A. L. Black, Mvra W. Blackwood, M. Blair, R. M. Borthwick, C. M. Boyle, S. W. Brodie, C. L. G. Bromley, A. K. Burnett, M. R. S. Butchey, 'C. S. Campbell, H. A. Carmichael, I. Carson, Brenda J. Cathcart, E. D. J. Cato, J. Cleland, Angela M. Connolly, Patricia M. Connolly, R. H. Corbett, J. H. Cossar, Marjorie C. Crawford, W. S. Cronan, J. F. Crossan, Valerie Davidson, E. A. De La Mare, H. Desmond, B. L. Devine, Z. K. Dhanani, Rosaleen C. Docherty, A. K. Dosai, G. McG. Duff, Frances C. Duke, Jennifer M. Dunbar, F. G. Dunn, Margaret E. Duthie, M. E. Elliott, R. J. Fairfull Smith, R. Fairley, J. V. Forrester, A. L. Forster, S. W. Fountain, Abdul-Kader M. Guilani, J. F. Gillespie, Janet L. B. Gowling, A. D. Grassie, G. H. Gray, Helen L. Gray, M. Harris, I. J. Hauge, J. F. Hodge, S. G. Hoff, 'A. B. Houston, R. G. Hughes, R. L. Hughes, A. V. M. Hughson, Ah-Kim H. K. Wah, Eleanor Hyland, D. Jackson, 'J. L. Jay, J. A. Johnstone, B. I. Jugdutt, A. S. Kelly, J. T. Kelly, K. J. A. Kenicer, D. McF. Kesson, S. Y. A. G. Khan, J. S. Kibuyaga, Marie T. Kieran, E. B. Kumar, G. O. Labanya, 'J. R. Lawrence, 'Margaret B. Lawson, K. W. Lindsay, 'M. K. Lindsay, J. B. Loudon, C. J. Luckens, B. R. Lynas, D. R. McArthur, D. F. McBride, H. McN. McBride, Janette G. McConnachie, I. A. McCoubrey, T. D. McCubbin, R. L. McDevitt, Rosslyn M. McDevitt, A. J. Maccharlae, B. R. Lynas, D. R. McArthur, D. F. McBride, H. McN. McBride, Janette G. McConnachie, I. A. McCoubrey, T. D. McCubbin, R. L. McDevitt, Rosslyn M. McDevitt, P. P. McGavigan, B. McInroy, Catherine K. Mackay, 'J. M. K. Lindsay, 'J. M. K. Lindsay, 'J. R. Loudon, C. J. Luckens, B. R. Lynas, D. R. McArthur, D. F. Mc

Margaret J. J. Walker, W. F. Wallace, D. M. Ward, Angela Watson, Elizabeth J. W. Watson, Marjorie B. Watson, R. Watson, M. S. Weetch, ²J. M. Whitfield, B. H. Whiting, ³B. O. Williams, Elizabeth H. S. Wilson, P. D. Wilson, Katherine M. D. Young, M. D. Young, S. Zimmer, J. O. Esangbedo, A. R. Fernandes, R. Melsom, J. D. Shah, C. O. Ogunro, R. G. A. Uku, W. Kam Wong, A. M. Wright.

WELSH NATIONAL SCHOOL OF MEDICINE

MEDICINE

M.B., B.Ch.—F. T. Adams, M. Adams, P. W. Asplin, R. Baker, D. A. Batchelor, 'R. C. Brake, P. J. J. Brewer, J. Butler, D. L. Cochlin, 'M. D. Crane, D. B. Davies, D. H. Davies, Helen L. Davies, 'S-Canol. C. Dayson, Margaret J. Dunn, Bethan M. Evans, Marianne L. Evans, G. I. Fiddler, M. D. Fine, R. E. Fitzwater, P. J. A. Griffin, R. H. Haskins, A. Jones, C. W. Jones, D. F. Jones, A. G. Lewis, 'M. J. Lewis, Margo Lewis, Nesta G. Lewis, D. E. H. Llewelyn, P. M. McCarthy, C. A. Morgan, P. G. Morris, H. S. O'Dwyer, G. G. Owens, P. L. Padfield, A. D. Peregrine, J. R. Perry, 'Christine D. Petheram, I. S. Petheram, J. R. M. Roberts, M. J. Roberts, M. E. Robinson, A. Rogers, M. P. Rowe, D. L. Smaldon, J. G. Tanner, P. Williams, Jennifer M. Wintle, C. B. Wood. 'Distinction in human anatomy. 'Distinction in Social Medicine and Public Health. 'Distinction in Surgery. 'Distinction in pharmacology and therapeutics. 'Distinction in medicine.

ROYAL COLLEGE OF SURGEONS OF • ENGLAND

At an extraordinary meeting of the Council held on 8 July, with Sir Thomas Holmes Sellors, president, in the chair, Viscount Leverhulme was admitted to the Honorary Fellowship.

Lord Brock was admitted as a member of the Court of Patrons.

Diplomas of Fellowship were granted to the following candidates:

Diplomas of Fehowship were grained to the following candidates:

T. S. Dogra, W. Tsao, A. Andan, D. J. Grundy, D. Khadjeh Nouri, H. White, R. E. Hartley, R. P. Hollingsworth, J. C. Angel, J. E. Jellis, S. S. Sira, M. F. Gundry, M. Gipson, C. S. Good, O. N. Tubbs, R. A. Daniel, C. J. Howell, A. E. Ridgway, R. H. Ritchie, J. E. Castro, E. H. Bozman, T. M. Bucknill, A. A. C. Danesh-Haeri, R. G. Faber, P. C. Smith, B. J. Britton, S. G. Drake, C. M. Royston, T. A. Waterworth, J. R. Webster, A. White, P. McArthur, A. McG. Morris, G. B. Todd, D. M. MacMillan, J. G. Temple, M. G. El Din El-Feki, W. H. Isles, A. Werb, S. K. Effat, A. S. Mishrick, P. C. Manessis, B. J. Mendis, B. P. Sharma, T. Ahmad, B. Banerjee, R. Bekal, A. A. Izzat, S. Tripathi, N. E. Brown, P. J. Fenn, A. F. Guirguis, S. Mallick, M. A. Mannan, B. Prasad, R. N. Setia, D. Benjamin, W. G. Coddington, H. C. Desai, N. A. Purry, D. Sarkar, P. R. Shaeena, K. Thakur, D. J. Arwade, J. D. M. Blayney, B. S. Gill, P. J. Gormly, R. M. Hadley, V. K. Kapur, Meher B. Mehta, K. Sarangapani, F. P. G. Cheok, R. I. Dent, B. Elem, V. Govind, B. B. Joshi, A. K. S. Koh, D. R. Mendonca, S. S. Prasad, S. R. Ramnani, S. M. S. S. Senanayake, C. B. Singh, A. T. Thomas, P. R. J. Vickers, M. Ahmad, J. M. H. Allen, S. T. Al-Rawi, B. L. Ardill, S. M. Bhandarkar, A. C. Buck, B. F. Buxton, R. N. Carroll, P. K. Chaudhuri, R. S. Clemett, D. M. Dent, D. S. Gill, M. K. Hanna, M. A. Leonard, A. J. Lomax, A. F. Masood, N. H. Masters, S. S. Miller, Zarinah Niazi, A. E. Page, A. A. Qureshi, R. M. Sallam, J. C. Stubbings, J. P. Theo, R. K. Vagholkar, M. I. Boulos, R. A. Bradwell, M. I. Bultitude, A. M. Chong Ping, W. J. Coyle, M. J. Griffith, K. Haque, A. V. Harip, H. J. McEwen, J. W. Ogilvie, G. I. Taylor, R. T. Waddington, D. Allan, R. H. Allsopp, B. M. Alur, R. M. Anikwe, K. L. Antani, D. R. Bainbridge, A. A. K. Bose, J. H. Broader, J. Cronin, N. F. Dabhoiwala, P. K. Datta, R. S. David, H. H. Gawish, F. C. Harris, C. D. Jefferiss, J. S. Jesudason, P. A. Johnson, J. C. Lotz, Chi-Kan Lun, V.

At a quarterly meeting of the Council 9 July, with Sir Thomas Holmes Sellors, president, in the chair, Sir Thomas was re-elected president for the ensuing year. Sir Henry Osmond-Clarke and Mr. R. V. Cooke were re-elected vice-presidents for the

ensuing year.

Mr. Walpole S. Lewin was admitted as a member of the Council. Mr. John S. Tomkinson was admitted as a co-opted member of the Council representing obstetrics and gynaecology, and Dr. Cyril F. Scurr was admitted as an elected representative of the Faculty of Anaesthetists on the Council.

Mr. Richard S. Handley was appointed the Gordon-Taylor memorial lecturer for 1971.

The appointment of Sir Geoffrey Todd as the Tudor Edwards memorial lecturer for 1971 was reported.

The following were elected to the Court of Examiners for the ensuing three years: Mr. R. E. Horton (Bristol), Mr. R. H. Livingston, (Belfast), Mr. F. G. Smiddy (Leeds) (all re-elected), Mr. A. R. Anscombe (Bradford), Professor R. Y. Calne (Cambridge), Mr. A. Elton (Northwick Park), Professor W. S. Foulds (Glasgow), Mr. V. Gordon Walker (Isle of Wight).

The award of Nuffield prizes (Faculty of Anaesthetists) to M. F. M. Fahmy (Cairo University), and to G. H. Evans (Liverpool University), were reported.

The appointment of Dr. R. M. Livingston as the warden of the Nuffield College of Surgical Sciences was reported.

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF GLASGOW

D.C.H.—S. Abbas Husain, Valerie M. K. Arthur, M. F. L. Barnes, Subhashini Batra, N. N. H. Bayatti, Nityendra M. Biswas, Elizabeth E. Burns, R. J. Cunningham, K. Farrell, P. L. Heywood, Margaret E. Hutchinson, A. Karim, M. D. R. Khan, A. A. O. Laditan, Jeanetta R. MacKenzie, S. B. Malcolm, Sheila F. Morrison-Cleator, A. B. M. Osman, V. D. Patil, A. E. Pitchforth, R. A. Rennie, G. G. Sandor, Susan M. Sayers, Anne Stirling, C. B. Suckling, Anjiparampil K. Viswan, Mary F. Walker.

Correction

Medical M.P.

Dr. J. Dickson Mabon, M.P. qualified in 1954 and not 1944, as stated in the list of medical members of Parliament elected at the recent general election (B.M.J., 27 June, p. 802).

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.

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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.