

regionally, but there is ample reference to symptoms, such as pain and movement. A clinical system of diagnosis, which is the primary consideration, is most helpful and the information on local treatment, such as traction and manipulation, is invaluable to those dealing with conditions due to or aggravated by the stresses of sport.

The correct diagnosis of a lesion and its extent is of course fundamental to successful treatment, and the precision of clinical examination described in an expert manner will be invaluable in this regard. Conditions particularly common in Britain, such as backache and fibrositis, receive special attention, and it is pointed out that the significance of signs is often ignored. Syndromes, such as those connected with the thoracic outlet and the carpus, are well described, but the chapters on the lumbar region and the shoulder attract special attention. The book will be most useful to the doctor confronted by a patient whose condition has not improved after one or more courses of treatment.

ST. J. D. BUXTON.

Microbiology in Brief but Comprehensive Form

A Short Textbook of Medical Microbiology. By D. C. Turk, D.M., M.C.Path., and I. A. Porter, M.D., M.C.Path. (Pp. 335 + xi; 38s. Hardback, 28s. Paperback.) London: English Universities Press. 1969.

Teachers of microbiology in undergraduate medical schools face several problems: how much detailed description of microbes and their way of life can be justified (or tolerated); how can be instilled a sufficient understanding of the pathogenesis of infection and its treatment to enable doctors to use the laboratory services to the best advantage; and how, in the short time allowed in most curricula, can the subject be made interesting.

Most teachers probably try to meet these difficulties by spending time on only a few aspects of the subject. Authors of student texts cannot do the same. They must cover the whole subject, and yet a short book is all that is likely to be read. It is difficult to

make a short comprehensive text really interesting. Turk and Porter's book, now in its second edition, is certainly one of the more successful of the many short textbooks on the subject. It is essentially a book on pathogenic microbes. It is strong on good brief descriptions of the organisms, how they are to be recognized and, in the briefest of terms, how they respond to antimicrobial drugs. There are good chapters on the general principles of pathogenicity and host defences, including immunological mechanisms, and there is a valuable section on methods for laboratory diagnosis of infection. The book is relatively weak on the epidemiology of specific infections, perhaps because this is judged to be outside a course on microbiology.

The student who reads this book will have met most of the facts needed to pass his qualifying examinations. He will need to do more to appreciate the interest of the subject, and the suggestions for further reading that are given at the end of each chapter provide some guide to the sources from which he may gain such appreciation.

R. E. O. WILLIAMS.

Books Received

Books noticed here may be reviewed later.

Thrombosis. Edited by Sol Sherry, Kenneth M. Brinkhouse, Edward Genton, and James M. Stengle. (Pp. 762 + x; illustrated. \$12.50.) Washington, D.C.: National Academy of Sciences. 1969.

The Development of the Infant and Young Child. Normal and Abnormal. 4th Edition. By R. S. Illingworth, F.R.C.P. (Pp. 382; illustrated. 42s.) Edinburgh and London: E. & S. Livingstone. 1970.

Progress in Endocrinology. Proceedings of the 3rd International Congress of Endocrinology Mexico, D.F. June 30-July 5, 1968. Edited by Carlos Gual. (Pp. 1276 + xii; illustrated. 586s.) Amsterdam: Excerpta Medica. 1969.

Mineral Metabolism in Paediatrics. Edited by D. Barltrop, M.D., M.R.C.P., and W. L. Burland, M.B., D.C.H. (Pp. 171 + x; illustrated. 55s.) Oxford: Blackwell. 1969.

Tetanus. By E. B. Adams, F.R.C.P., D. R. Laurence, F.R.C.P., and J. W. G. Smith, M.C.Path. (Pp. 165 + vii; 42s.) Oxford: Blackwell. 1969.

Anatomy for Surgeons: The Back and Limbs. Vol. 3. 2nd edition. By W. Henry Hollinshead, Ph.D. (Pp. 894 + x; illustrated. \$32.50.) New York & London: Harper & Row. 1969.

The Nursing and Management of Skin Diseases: A Guide to Practical Dermatology for Doctors and Nurses. By D. S. Wilkinson, F.R.C.P. (Pp. 403; illustrated. 22s. Paperback, 50s. Cloth.) London: Faber & Faber. 1970.

A Laboratory Manual of Microtechnique and Histochemistry. By A. T. Sumner, M.A., D.Phil., and B. E. H. Sumner, M.A., D.Phil. (Pp. 93 + viii; illustrated. 20s.) Oxford: Blackwell. 1969.

Frontiers of Radiation Therapy and Oncology. Vol. 4. The Interrelationship of Chemotherapeutic Agents and Radiation Therapy in the Treatment of Cancer. Proceedings of the 4th Annual San Francisco Cancer Symposium October 1968. Edited by J. H. Vaeth. (Pp. 202 + viii; 136s.) Basle: S. Karger. 1969.

If Doctors Grew on Trees: A look at the doctor shortage in New Zealand today. By Erich Geiringer. (Pp. 103; illustrated. N.Z.\$1.65.) Dunedin, New Zealand: John McIndoe. 1969.

An Introduction to Medical Genetics. 5th edition. By J. A. Fraser Roberts, C.B.E., F.R.C.P., F.R.S. (Pp. 296 + xiii; illustrated. Boards Ed. 50s. Paper Cover 35s.) London: Oxford University Press. 1970.

Disaster Handbook. 2nd edition. By Solomon Garb, M.D., F.A.C.P., and Evelyn Eng, R.N., M.A. (Pp. 310 + viii; \$4.50.) New York: Springer Publishing. 1969.

Man Against Cancer: Research and Progress. By Bernard Glemser. (Pp. 349 + xii; illustrated. 45s.) London: The Bodley Head. 1970.

A Symposium on Neoplasms and Related Disorders of Invertebrate and Lower Vertebrate Animals. Edited by Clyde J. Dawe and John C. Harshbarger. (Pp. 772 + xvi; illustrated. \$9.00.) Bethesda, Maryland: National Institutes of Health. 1969.

Symposium on Comparative Morphology of Hematopoietic Neoplasms. Edited by Carolyn H. Lingeman and F. M. Garner. (Pp. 365 + viii; illustrated. \$5.50.) Bethesda, Maryland: National Institutes of Health. 1969.

Pathology of Erythroblastic Mitosis in Occupational Benzenic Erythropathy and Erythremia. By E. G. Rondanelli, et al. (Pp. 188 + x; illustrated. 126s.) Basle: S. Karger. 1970.

Fundamentals of Inhalation Therapy. By Donald F. Egan, M.D. (Pp. 474 + viii; illustrated. 99s.) London: Henry Kimpton. 1969.

The Biological Basis of Medicine. Vol. 6. Edited by E. Edward Bittar and Neville Bittar. (Pp. 618 + xv; illustrated. 145s.) London: Academic Press. 1969.

Ecology of Refuse Tips. By Arnold Darlington, M.A. (Pp. 138 + xii; illustrated. 25s.) London: Heinemann. 1969.

Pediatrics. Edited by Mohsen Ziai, M.D., Charles A. Janeway, M.D. and Robert E. Cooke, M.D. (Pp. 967 + xxi; illustrated. 95s.) London: J. & A. Churchill. 1969.

A History of Bubonic Plague in the British Isles. By J. F. D. Shrewsbury. (Pp. 661 + xi; illustrated. 160s.) London: Cambridge University Press. 1970.

The Child's Conception of Movement and Speed. By Jean Piaget. (Pp. 306 + xi; 50s.) London: Routledge & Kegan Paul. 1970.

Wilson Jameson. Architect of National Health. By Neville M. Goodman, C.B., M.D., F.R.C.P. (Pp. 216; 42s.) London: George Allen & Unwin. 1970.

Crisis Fleeting. Original Reports on Military Medicine in India and Burma in the Second World War. Compiled and Edited by James H. Stone. (Pp. 423 + xiii; illustrated. \$3.75.) Washington, D.C.: Department of the Army. 1969.

A Study of the Early Development of Mongols. By Valerie A. Cowrie, M.D., Ph.D., D.P.M. (Pp. 110 + xiii; illustrated. 60s.) Oxford: Pergamon Press. 1970.

Lives of the Fellows of the Royal College of Surgeons of England 1952-1964. By R. H. O. B. Robinson, M.A., F.R.C.S., and W. R. Le Fanu, M.A., F.S.A. (Pp. 470; 120s.) Edinburgh & London: E. & S. Livingstone. 1970.

Bloc Atypique de la Branche Droite. By Michel Blondeau and Jean Lenègre. (Pp. 106 + vi. illustrated. 55 F.) Paris: Mason. 1970.

U.C.H. Notes on Psychiatry: For Students and General Practitioners. Edited by Roger Tredgold and Heinz Wolff. (Pp. 293 + x; 50s.) London: Gerald Duckworth. 1970.

Fine Structure of Blood and Bone Marrow. By Dieter Huhn and Walther Stich. (Pp. 136; illustrated. DM 62.) Munich: J. F. Lehmanns Verlag. 1969.

Life on Man. By Theodor Rosebury. (Pp. 239 + xvi. 35s.) London: Secker & Warburg. 1970.

Cell Fusion: The Dunham Lectures. By Henry Harris. (Pp. 108; illustrated. Boards Edn. 40s. Paper Covers 20s.) Oxford: Clarendon Press. 1970.

ROYAL COLLEGE OF PHYSICIANS OF
LONDON

At a quarterly meeting of the College held on 29 January, with the president, Sir Max Rosenheim, in the chair, Colonel R. G. MacFarlane was appointed to the chair of military medicine held jointly between the College and the Army Medical Service.

The following were appointed or re-appointed College representatives:

Dr. E. G. G. Rhind (Sheffield Regional Postgraduate Committee), Dr. R. Mowbray (Medical Postgraduate Committee of the University of Newcastle), Dr. W. D. Brinton (Wessex Postgraduate Medical Committee), Dr. G. S. C. Sowry (North-west Metropolitan Region Postgraduate Committee), Dr. A. W. Woods (South-west Metropolitan Region Postgraduate Medical Committee), Dr. H. Kopelman (North-east Metropolitan Region Postgraduate Medical Committee), Dr. J. S. Staffurth (South-east Metropolitan Region Postgraduate Medical Committee), Dr. F. J. W. Miller (Central Midwives Board).

Dr. A. N. Exton-Smith was elected to the Council in place of Dr. J. C. Gilson who had resigned.

The following, having satisfied the Censors' Board, were admitted Members of the College:

Rosemary P. Biggs, G. F. Hall, J. R. O'Brien, J. L. Turk.

Licences to practise were conferred upon the following candidates:

M. S. A. Ahmed, D. N. Anderson, D. H. Austwick, R. C. L. Au-Yong, D. A. Baker, A. A. Bell, Barbara S. Best, Margaret A. Bielenky, M. D. Boll, P. R. Bonds, R. Bourne, Susan P. Bourne, John R. Bowen, N. M. Breach, D. S. Briggs, Shelagh L. Calvert, R. D. G. Carmichael, P. S. Cary, A. J. Caro, P. M. Carter, E. D. J. Cato, D. R. Cave, Shing C. Chen, H. W. Chilton, J. M. F. Clarke, G. S. Clayden, A. R. Close, A. S. Coulson, Carmel A. E. Coulter, Anne V. N. Cream, D. J. Cubitt, D. A. Curson, Suzanne Dadd, Jyotirmoy Datta, D. L. Davies, G. C. Davies, C. N. Davison, R. A. Denny, M. B. Denton, M. E. Denyer, N. J. Dodd, Susan F. O. Dowling, C. G. Dowman, Josephine M. Drake, D. R. Elliott, P. J. D. Evans, M. H. Faulkner, Charlotte N. Gardiner, A. L. Gent, C. M. R. Glaysher, Yvonne F. S. Glen, J. D. S. Goodman, J. A. A. Govan, D. K. Grieve, M. Hall, Susan M. Hall, Wendy T. Hannant, P. G. Harper, Ellen D. Harrison, Hilary M. Hart, R. B. Hartley, R. D. Hartley, M. J. Hawkins, P. J. M. Heeley, M. M. Henry, M. R. Hetzel, G. B. Hey, D. J. Hill, Carole D. Hopkins, M. Horrocks, K. M. Howard, Hilary C. Hubbard, A. Hutchinson, I. T. A. Jeffery, A. C. John, D. A. Jones, I. V. Jones, Linda C. Jones, M. A. Jones, Dorothy V. Joss, S. C. Kahwati, M. A. Kassimi, P. J. Kaye, M. A. Knight, J. W. S. Kraemer, A. J. Lamerton, F. D. J. Lane, I. A. Lasserson, R. E. J. Lee, M. C. L. Le Tocq, R. A. Lomax, Cornelia A. McCarthy, I. D. McHardy, I. N. McIntyre, Jane E. Mackay, R. A. McKenzie, R. M. Mackenzie, M. J. Malec, R. Manna, F. R. Massoud, Sandra D. Mather, N. E. D. Mattison, T. H. Meanley, M. C. Moore Ede, I. J. Morgen, D. N. Morton, R. W. Motson, A. J. Mourant, R. W. Neale, E. Neville, J. H. Newman, Jane G. B. Newton-Smith, C. F. Ngui, M. J. Noaks, F. O. Nwator, E. O. Oji, M. P. Osborne, Beatrice M. Ounsted, K. Pearman, B. J. Penney, D. B. Penwarden, J. H. Pitt-Payne, Josephine G. Plummer, J. A. R. Pook, Maryan I. Pye, P. G. Ramsden, Sally G. Rees, D. F. A. Richards, Mary E. Rodeman, G. T. Royle, Hanna F. Savegh, D. V. Seal, M. F. Shiu, W. H. Smith, K. J. B. Sommi, D. J. Soalton, Deborah J. Stephenson, M. K. Tan, M. A. Thompson, D. A. Tolley, T. Treasure, Heather M. Trevitt, R. G. Turner, J. W. Van Vreede, G. C. Voss, J. M. Wakely, R. K. Walesby, Angela M. Walker, A. R. Waygood, P. D. Welsby, M. I. Whitehead, Frances E. Whiting, H. J. H. Williams, Diana M. Willy, Bridget E. Wilson, C. R. J. Woodhouse, R. L. Woods, M. E. Worby, G. I. Worrall, Janet G. Yassa, Susan E. Young, Z. Zychova.

Diplomas were granted, jointly with the Royal College of Surgeons of England, as follows:

DIPLOMA IN ANAESTHETICS.—A. J. Adeney, A. K. Ali, H. S. Ali, D. K. M. Allison, Rosalind M. Andersen, B. D. Apthorp, Sudha Arora, A. S. Banks, P. M. Bashir, A. M. Bateman, G. T. Bell, Rosemary J. Berry, P. B. Bhandiga, F. R. O. Bolognini, M. Bose Babu, R. F. Boucher, Christine M. Brookes, G. D. Brown, B. H. Bullas, S. K. Buehna, F. H. A. Cader, C. R. D. Campbell, G. L. M. Carmichael, G. G. V. Cawley, S. R. Cawoosi, P. Chittaranjan Babu, A. R. Clifford, Pamela J. Coats, D. F. Cochrane, D. I. Cooper, Margaret Cropper,

B. H. Dalal, Margaret C. Davison, Dipa De, H. P. Didier, J. T. Doneley, I. A. R. Dunnett, A. J. N. Eardley, Freda E. Evans, Mary R. Fettes, Sarah L. French, W. A. Frodsham, R. C. Gilbertson, Tilina M. Gunasekara, Laila-Abd El-Rahman Hamed, M. Mahfooz-Ul Haque, V. V. Hardikar, Julia C. Harper, M. Hashim, N. J. Healey, N. A. Hodges, Margaret E. Hodson, J. E. Holiday, W. J. M. Hood, A. Hough, W. A. Hutchinson, Margaret J. S. Hynd, Patricia M. Irving, M. H. Islam, N. R. Jackson, J. P. H. Jago, Luckshmi Leela-de-Silva Jayasekara, Sumangala S. Kadam, Santosh B. Kalhan, J. W. L. Kemp, I. Kennedy, A. H. Khan, A. U. Khan, Jamila Khattak, Catherine Kitching, Ravinder K. Kukreja, R. A. Leatham, Maddineni Leelavathi, P. J. Linnett, Rona Macleod, D. A. Macpherson, Elizabeth G. Maddison, R. F. J. Matthews, Debika Minocha, Roshan Moraes, G. C. Moudgil, J. M. Moy-Thomas, Valerie M. J. Muir, V. W. Nimbkar, P. M. Norton, P. Notananda, K. Ohri, B. P. O'Leary, A. Oswald, N. J. Oza, Simarani Pal, Joan L. Pallett, Kalpana K. Parikh, Jane E. Parry, Niranjana P. Patel, Billie R. J. Porter, Suzanne E. Powrie, K. N. Rao, M. G. Ridley, H. A. M. Roake, A. J. Robertson, J. R. Rogers, M. Salakho, M. H. Samo, Thanalakshmy Saravanabavanathan, Rupali Sarkar, Sibani Sarkar, Jaya H. Shah, M. S. Y. Shariff, O. N. Sharma, F. J. Shaw, R. E. Shaw, Rupa N. Shetty, Rosemary A. Sibert, M. O. Siddiqui, Patricia M. Skilling, J. J. Sneddon, Janet A. Sneddon, Evelyn D. Spark, R. Srinivasulu Naidu, K. Sudhir, Md. Tajuddin, S. P. Thakuria, W. O. H. Thomas, R. W. Ware, C. J. Watkins, M. Wazih Ullah, T. B. Webb, Susan J. Whitaker, Sheila M. Willatts, J. H. Williams, Margaret M. Williams, G. A. Wilson, R. Wyatt, Florence F. Y. Young, W. A. C. Young.

DIPLOMA IN CHILD HEALTH.—L. B. H. Boxall, L. Piliso.

DIPLOMA IN INDUSTRIAL HEALTH.—B. Dansie, M. S. Hughes, G. M. Stewart, A. A. Tejuoso.

DIPLOMA IN MEDICAL RADIO-DIAGNOSIS.—P. R. Bradley-Moore, Merennage P. N. Fernando.

DIPLOMA IN MEDICAL RADIOTHERAPY.—E. Kim-You Chow, S. Ganesan, Vera Kraus-Urbach, A. W. Lees, M. J. Moriarty, V. Muscat, J. S. Niblett, D. S. Prasad, A. R. Quraishi, G. Rahman, P. S. Rastogi, E. Raubitschek, A. Routh, A. W. Saikali, V. H. J. Svoboda.

DIPLOMA IN LARYNGOLOGY AND OTOTOLOGY.—J. M. Adams, K. Ahmad, A. K. Chaudri, S. S. Deshpande, S. A. Guindi, P. A. Hood, A. A. O. Husain, W. M. S. Issa, T. C. Kenefick, P. K. Mistry, S. N. Mody, D. A. Patel, A. C. P. Rajapaksa, S. S. Reddy, J. H. Rogers, H. H. Tschang.

DIPLOMA IN OPHTHALMOLOGY.—R. H. J. Darvell.

DIPLOMA IN PATHOLOGY.—M. A. Aboderin, A. A. Bruce-Tague, J. L. Dunscombe, E. M. O. Elmin, Janis M. Hawkins, E. Kagan, S. E. Lim, I. M. Malomo, I. Mamman, M. Y. Sheikh.

DIPLOMA IN PSYCHOLOGICAL MEDICINE.—M. Ahmad, E. R. Alexander, E. K. Arfai, M. O. Aveline, Salla P. Banerjee, Vera T. Baranicka, B. B. Bardhan, J. E. B. Bedford-Turner, R. J. Belas, M. K. Bhakta, Anthea Blofeld, A. J. Broadhead, W. C. Canning, Joan Chappell, G. Clayton, C. G. Conway, C. A. De Lima, M. T. Duff-Miller, W. R. Eaton, A. A. El-Gaaly, J. A. Flowerdew, A. J. Forrest, R. M. Galloway, A. B. Gardiner, Patricia A. J. Goodyear, W. C. Gordon, Grete Gross, M. Harinath, J. G. Hebditch, Judith M. Heron, I. E. Hovitt, Lesley K. V. Howell, B. G. Humblestone, I. H. Im, Zdenek Janda, G. K. Kapoor, Kandiah Kathirakamasekan, B. McM. King, F. A. Y. Kaddawalla, Beryl C. E. Langley, T. Lawlor, M. A. R. Lee, S. S. Maan, R. D. McFarlane, S. A. Mahmud, M. T. Malcolm, B. Malekour, N. S. Marks, M. Masood, J. Milne, D. B. Minton, V. H. Morcos, M. M. Naraghi, Ursula V. P. Naylor, N. Neophytou, R. Noquera, F. O. A. Okhomina, I. O'Melia, R. J. Palmer, R. J. Perkins, D. C. R. Pitcher, S. A. Qadeer, M. S. Raschid, L. Gnana-Ananthan Ratnasabapathy, I. Ray, K. Raychaudhuri, P. J. M. Reddy, M. G. Revill, Barbara Richardson, Wendy M. Rostrom, El-Sayed M. Saad, Mary H. Sandell, P. C. G. Smith, S. M. Smith, A. G. Stevens, K. Sundararajan, M. S. Abdel-Rahman Taman, J. S. Tsiantis, P. J. Tyrer, S. P. Usha, W. Waheed, R. Wilson, B. A. Zakaria.

DIPLOMA IN PUBLIC HEALTH.—J. K. Y. Aboagye-Atta, J. K. Anand, H. Aramy, K. Dariapayma, Christine M. Davenport, A. E. L. de Thierry, G. R. M. Fernando, Marie J. Freeman, B. H. Gooch, Evelyn E. Hodgson, Rosemary Koinange, Jumroon Mikhannorn, Lysbeth R. Vaughan Jones.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE.—A. M. A. L. Shaheen.

ROYAL COLLEGE OF PATHOLOGISTS

The following have been admitted to the Membership:

D. J. Allan, M. C. Anderson, I. D. Ansell, W. A. Black, Jean Brown, J. Burns, C. H. Cameron, Bernadette Curry, D. R. Davies, F. Dowling, H. C.

Drysdale, W. N. Eastham, C. W. Edwards, G. H. Eeles, R. J. Farrand, J. Flynn, E. Gowland, Marguerite P. Holley, A. W. Jones, C. T. Keane, D. Lamb, J. G. Lines, A. E. S. Mustafa, D. H. Orrell, Rance Nimal Perera, M. A. Prenton, S. S. Rao, Joan D. Rivett, R. Sibbald, H. Singh, Pushpa Sitani, D. Spencer, S. G. Subbuswamy, Elizabeth J. Thomson, J. H. Williams, M. P. Walsh.

Deaths

De.—On 3 January, 1970, Gopeswar De, M.B., B.S., of 8 Avondale Gardens, Northseaton Estate, Ashington, Northumberland, aged 40.

Rees.—On 25 December 1969, Joseph Motley Rees, M.R.C.S., L.R.C.P., of 135 Torrington Park, London, N.12, aged 55.

Correction

Sublime and Inventive Genius

In the review by Professor W. H. McMenemey (24 January, p. 220) of the book *John Hunter* by Jessie Dobson, the cart conveying garden produce into town should have been described as being drawn by zebus.

Vagotomy for Peptic Ulceration

Mr. Harold Burge points out that he should have given 2-4 mm. of water as the rise in gastric pressure indicative of incomplete vagotomy in his letter of 31 January (p. 301).

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: *Aitology, 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.

Subscriptions

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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.