

contain the results of the tests. A couple of pages of references complete the book.

This is a short, unique monograph on an important subject and has involved a lot of work. The results will be of benefit to future students and provide a further step in the understanding of the neurological status of the child with Down's syndrome. It is a valuable contribution, well presented and illustrated, and is sure to find a place in many libraries. Its price is comparatively high considering the brevity of the main text and will restrict its circulation, but paediatricians and psychologists who are especially interested in the subject may well want to have a copy of their own.

O. P. GRAY.

Radiation Physics

Basic Medical Radiation Physics. By Leonard Stanton, M.S., F.A.C.R. (Assoc.) (Pp. 644 + xiii; illustrated. 110s.) London: Butterworths. 1969.

This book has been developed from a course of lectures given by the author in Philadelphia over the past 16 years to radiologists and physicians. The book has 16 chapters and three appendices, the last of which contains a 40-page glossary of terms. The first two chapters are by way of introduction, and contain an elementary account of atomic structure, energy, radiation, and electricity. The main subject matter is in the next 10 chapters, which deal with the basic physical principles of production, attenuation and measurement of x rays, the detection of radionuclides inside and outside the body, and the use of these sources of radiation in therapy and diagnosis. The next three chapters are concerned with the problems of radiation protection, and the final chapter contains a selection of topics which do not naturally fit into the book elsewhere; these include particle beam, source, diagnostic ultrasound, and thermography.

The topics covered in the book are carefully selected and are clearly presented. Each chapter starts with a short account of its purpose and objectives, and the subject matter is then laid out under numerous side headings. Tables summarizing information are given in most chapters. There is a short list of references, mainly to papers published before 1965, and recommended sources for further reading at the end of each chapter. A comprehensive index is provided.

This is an excellent book for radiology students, and is obviously the product of a man who has had much experience in teaching these students. The author has kept the mathematical treatment to a minimum, which should help those who feel uncomfortable in the realms of theoretical physics. In criticism, the book tends to be wordy

and with a tighter style of writing it could be reduced considerably in length. The older British reader may find that the now accepted Americanisms of "biologic" and "radiologic" for example lack elegance. Furthermore, the author is not international in the use of the word "billion." Perhaps he might have chosen to be numerate rather than literate in this case if he had kept overseas sales of his book in mind.

This book can be recommended for use as a course textbook for both teachers and students of radiology; it is not so strongly recommended as a reference book.

G. W. DOLPHIN.

V.D. Handbook

McLachlan's Handbook of Diagnosis and Treatment of Venereal Diseases. 5th ed. By A. S. Grimes, M.D., M.R.C.P. (Pp. 221 + vii; illustrated. 50s.) Edinburgh & London: E. & S. Livingstone. 1969.

As its title proclaims this publication is literally a handbook about the diagnosis and treatment of sexually transmitted infections; it is by no means a textbook and has little to offer the specialist. However, a quart of knowledge has been compressed into its pint size and it may appeal to the medical undergraduate and the general medical practitioner. There are 161 figures, mostly monochrome clinical photographs (6 in colour). Though small in size most of them illustrate satisfactorily the conditions described. Most chapters are concluded with a short, selected bibliography and the index seems adequate.

The presentation of facts in the text is highly concentrated and generally clear, but the beginner will have to absorb every word if he is to obtain a proper grasp of the subject. At first sight it appears that treatment of the various infections receives rather scant attention, but as most therapy comprises antibiotics the author has no doubt assumed that the reader is fully familiar with them and that detailed instructions are superfluous. Some unfortunate errors have escaped the proof reading: for instance, the legends under Figs. 102 and 103 are transposed; the legend for Fig. 143 refers to arthritis of the metatarsophalangeal joints but the illustration is a radiograph of the hand; and in the legend for Fig. 154 "corneal" should read coronal. It is confusing to state (p. 88) "spontaneous recovery [of Clutton's joints] with no deformity occurs even in the untreated" and to include Fig. 94 which shows gross deformity of the knees.

However, this handbook can be recommended as a sound introduction to this increasingly important subject.

S. M. LAIRD.

Books Received

Books noticed here may be reviewed later.

Burkitt's Lymphoma. D. P. Burkitt and D. H. Wright. (Pp. 251; 120s.) E. & S. Livingstone. 1970.

International Encyclopaedia of Food and Nutrition. Vol. 9 Fat-Soluble Vitamins. Ed. R. A. Morton. (Pp. 530; 120s.) Pergamon. 1970.

Surgical Cosmopolis. Geoffrey Parker. (Pp. 176; 42s.) William Kimber. 1970.

Treatment for Alcoholics

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

This small book offers to doctors, administrators, and nurses a concise and straightforward description of the unit for the treatment of alcoholism at the Royal Edinburgh Hospital. The unit provides 14 in-patient beds which are closely integrated with the outpatient treatment service. Emphasis is placed on the need for continued outpatient treatment following in-patient therapy. Careful consideration has obviously gone into planning the regimen, in which group analysis is the main therapeutic process. The advantage of a small, self-contained unit in taking full benefit of the therapeutic talents of the entire staff is apparent—in how many hospitals is the night nurses duty rota arranged to enable them to attend staff meetings? The unit does not accept responsibility for the treatment of withdrawal symptoms alone.

The authors emphasize that evaluation of the treatment should be an integral part of such a programme. The second half of the book reports some of the research findings. They describe the characteristics of their patients, and suggest some factors affecting outcome. Older patients coming from social class I and II had a relatively good prognosis. When comparing the different factors in outpatient and in patient treatment it is a pity that the groups were not strictly comparable; the outpatients being those patients who refused admission or who did not fulfil the criteria for inpatient treatment—these included a commitment to the goal of total abstinence and suitability for a therapeutic community. It is, however, interesting that the eventual outcome at one year follow-up, which was one third abstinent, one third improved and one third unchanged, was similar for both groups. Where treatment resources are limited, they must be deployed economically.

Studies of two special groups suggest that alcoholism is particularly dangerous when it occurs in a person under the age of 30. The young drinkers, when compared with patients in a general hospital ward, showed evidence of a less satisfactory childhood, less stable employment; they were more isolated and friendless and their marriages had been less successful. The special study of patients who had attempted suicide emphasizes the risk of death from this cause among alcoholics. This risk is especially prevalent amongst a sub-group described as dependent individuals, unduly prone to self-criticism and depression.

MARTIN MITCHESON.

Research at the Hampstead Child-Therapy Clinic and Other Papers 1956-1965. Anna Freud. (Pp. 575; 100s.) Hogarth Press. 1970.

The Queen Charlotte's Textbook of Obstetrics. 12th edn. Ed. J. S. Tomkinson. (Pp. 502; 80s.) J. & A. Churchill. 1970.

Modern Trends in Drug Dependence and Alcoholism. Ed. Richard V. Phillipson. (Pp. 311; 86s.) Butterworths. 1970.

Diseases of Attention and Perception. Monte Jay Meldman. (Pp. 241; 100s.) Pergamon Press. 1970.

J. G. Harvey, Diana G. Hayes, Patricia A. Heckles, J. D. Hill, Stephanie C. Hill, J. Hinton, P. P. Ho, Vivien J. I. Holgate, Kay Hollingsworth, D. H. Horwell, Frances M. Howard, R. B. Hutcheson, J. S. Isaac, T. M. Jack, G. Jackson, C. G. Jamieson, M. D. Jenkins, R. C. Johnson, N. K. Jones, R. N. Jones, Robert M. E. Jones, S. W. Kacleigh, M. J. Kelly, P. W. Kemp, I. F. Kerr, M. G. Kerr Muir, M. A. La'ajam, D. N. W. Lake, A. J. Laljie, G. S. Lang, Margaret E. Leigh, C. B. Lessell, M. S. Lewis, B. D. Linaker, E. A. Lloyd, Diana M. Lowe, J. C. Lowry, Clare V. McCormick, R. E. McCune, J. D. MacGuire, R. Maitra, S. Maitra, Louise J. Malbon, R. P. Mandeville, S. P. Marr, M. A. Martin, A. S. G. Mary, J. Michael, M. A. Mohamed, M. C. Monk, Anne H. Murray, R. H. M. Nanka-Bruce, M. F. H. Nelki, G. C. K. Nkwazi, J. M. A. Northover, I. M. O'Brien, P. H. O'Reilly, Elisabeth W. Paice, N. V. J. Paireaud, R. Pease, Diana M. Price, R. J. Prior, J. Ragaz, D. B. Rimmer, N. J. Ring, B. S. Robinson, J. N. Rosenberg, Ann E. Rowlands, P. A. Sackin, I. A. Saunders, J. R. Sauve, C. S. Sellick, Barbara L. Skew, K. A. Smale, J. O. Soul, H. W. Steer, D. G. Stubbing, M. G. St. J. Sutton, D. J. Sydenham, J. F. Talbot, Anne E. Tattersall, R. G. Tayton, P. M. Thompson, J. N. Thorley, M. O. Thorner, Anna-Maria Tihanyi, P. Tivy-Jones, R. S. Trompeter, M. S. Turner, A. G. Tyers, S. H. Vincent, M. P. Virapen, N. Walker, A. R. G. Ward, Fiona B. Webster, A. C. White, N. S. Williams, R. G. Wright, Heather J. M. Wynburne, P. Zachariah, Z. Zych, M. F. O'Dowd, W. T. Elias.

The following diplomas were granted jointly with the Royal College of Surgeons of England:

DIPLOMA IN CHILD HEALTH.—I. Abraha, Siham Addass, S. P. Aggarwal, C. S. Ahlawat, S. S. Ahmad, A. S. Ahuja, Q. A. Al-Rahim, K. H. Al-Rikabi, M. F. Ali Khan, P. A. Andersen, S. H. Annobil, A. Aribarg, P. Arulanantham, M. R. Bahl, Ghada M. Bishty, D. J. Bolitho, J. V. Brooke, Mary F. Brown, Dale A. Bryan, Sheila A. Clark, S. J. Cohen, Penelope A. Cook, Marion R. Crouchman, Clare A. Cunningham, A. A. Dato, J. M. Davies, Astrid Dunsis, D. M. Easton, P. D. Eisman, C. Eliades, Abd el Moneim El Seed, R. H. Eve, Jayashree A. Firodia, Jean C. Firth, Judith A. Fraser, S. S. Gerber, R. Ghani, A. Greenwood, Katherine E. Handler, P. R. Harris, Kathleen A. Huey, Helen E. Hughes, H. A. Hunt, S. M. Z. Imam, R. J. G. Irons, P. C. Jackman, A. R. M. Jalal, E. P. James, R. L. Jayakar, M. de Silva Jayasinghe, Cathleen M. Jennings, Sarah W. Jiji, Divya V. Khiroo, V. P. Kinati, C. Kirya, A. S. Kulkarni, Nadira H. Lakdawalla, O. V. Lalla, J. O. Lawani, Chung-Hsiang Lee, P. W. Lee, Sujatha M. Lena, S. W. M. Leung, Q. G. Livingstone, C. J. H. McLachlan, V. A. Madappuli, J. P. Malcolm, J. S. Martin, Jacqueline S. Maxmin, J. R. Maxwell, H. Meadows, A. D. Mehta, S. T. Meller, M. D. Menon, Margaret M. Miles, M. D. S. Mkonko, J. S. Mortimer, R. N. Morzaria, S. K. Nallainathan, Joyee Nobis, J. R. Norman, M. G. Nutting, Hong G. Oon, Angela M. Owen-Smith, T. S. Parry, Nisha S. Parulekar, R. Patalay, S. J. Phillips, A. M. E. Pichanick, J. T. Quill, A. S. F. Rahman, Shubba L. Rao, S. N. Ray, Mary A. Reece, A. D. Revel, D. Roberts-Thomson, J. G. Rogers, J. F. Roper, R. J. Rowlett, Joyce L. Rowley, M. Saeed, G. B. Salmon, Rosalind M. F. Sanderson, Sheila Santamaria, I. P. Q. Scott, M. J. M. Senevirathne-Banda, N. P. Shah, B. Singer, N. R. Soma, C. M. M. Stern, D. Stratton, S. L. Tan, G. J. A. Walker, Rosemary A. Weston, Underwood, J. A. R. Willis, P. W. M. Windsor, Susan E. Wood, Janet G. Yassa.

DIPLOMA IN ANAESTHETICS.—T. S. Singh.

DIPLOMA IN MEDICAL RADIO-DIAGNOSIS.—Joan K. Watters, J. Cripps.

ROYAL COLLEGE OF OBSTETRICIANS AND GYNAECOLOGISTS

D. OBST.—R.C.O.G.—Gillian W. Abbott, R. K. Adkinson, Nafeesunissa Ahmed, Mohini Ahuja, Khalida A. Akhtar, B. A. K. Al-Kazzaz, Judith Allerton, T. Anderson, S. N. Anegunadi, S. H. Annobil, P. G. Atkinson, E. O. Babatunde, N. B. Bain, Kanagaratnam Balasubramaniam, Jayasri Banerjee, N. M. Bark, D. S. G. Bath, N. G. MacE. Beattie, C. M. Bedford-Turner, A. P. Bennett, Jennifer A. Bent, J. L. Bent, Jill Bethell, R. J. Birts, A. R. Blackburn, R. B. W. Blaxill, W. A. H. Bodger, E. B. Bond, Dharani Bora, F. J. Borchardt, J. F. Bostock, Janet E. Bowen, I. M. Bowles, Josephine C. Boxer, Christine M. Bradley, Jane L. Bradley, W. B. Broadbent, J. B. Broadfield, E. Brogan, Patricia J. Brooks, Susan E. Brown, T. I. S. Brown, G. M. Brownie, I. C. Buchan, M. S. Buckingham, J. F. Buckley, A. K. Budd, Frances W. Burns, Ann M. Burroughes, Gillian C. Button, L. D. Byer, D. G. D. Campbell, I. B. Campbell, A. G. M. Carless, R. F. Chaffey, H. A. Chalmers, R. L. K. Chapman, Pushpa K. Chopra, Bushra R. Choudhry, R. K. L. Chu, M. J. Clark, D. A. Coates, M. B. Coates, G. Constantinides, M. J. Corbin, Dona A. S. L. Corea, M. Coulthard, Fiona Coutts, J. E. M. Cressall, M. L. W. Crooks, G. S. Cruickshank, R. Dakin, Anne G. Daly, R. J. E. Daniel, J. L. Davies, E. P. Davis, Heather M. R. Davis, M. L. Diment, A. R. Dick, S. Dillon, Dian Donnai, Maureen C. Donnelly, Philippa J. Dove, R. R. Drury, Yvonne M. Dudmesh, Susan A. Dukes, Delia M. Elliott, D. M. Elmore, P. Fancourt, J. S. Fenton, Angela M. Field, Ann K. Finch, M. E. Finch, L. J. Findley, Christine Fitzpatrick, D. P. Fletcher, Hilary M. Forsyth, R. C. Freedman, Hazel J. M. Furtado, R. S. Gale, C. T. Garrigan, S. B. T. Gately, Deb Baran Ghosh, I. C. Gilchrist, Sheila L. Gilmour, Helena M. Giannis, A. Glennie, J. S. Goodall, A. L. Goostrey, D. C. Green, Patricia M. Greenfield, D. I. Grieve, G. J. Griffiths, Claire E. M. Guthrie, J. A. Hall, M. W. Hall, R. A. Hares, K. C. Harvey, W. R. Harvey, J. Harworth, Ruth J. Heinsheimer, J. J. Henderson, Wendy J.

Higlett, E. W. Hill, P. M. Hill, W. T. Hill, A. V. Hirsh, Raghuvir R. Hoskote, A. Houghton, Jane R. Howard, J. R. Howard, R. S. C. Howell, P. G. Howie, M. Q. Huda, Manik Husain, C. P. Innes, Hilary G. Jackson, P. H. Jackson, R. N. Jeffrey, B. R. Jelfs, A. J. Jenkins, J. A. Jennings, M. A. Johnson, Penelope J. Johnson, P. P. Johnson, S. M. Johnson, Ann S. Jones, G. R. M. Jones, R. D. Jones, Basant S. Kalsi, P. Kedney, J. C. A. Kehoe, D. H. Kennedy, D. C. Kent, D. W. Kett, Penelope J. Key, Geeta Khatian, Marion B. King, P. A. Knoyle, Sarah Korah, Bijoy L. Kundu, Oladapo A. Ladipo, P. M. J. Lake, R. Lancer, N. W. Lees, Margaret E. Lewis, Teresa E. Leyden, J. G. Limbert, Jane Lindsay, R. A. Lloyd-Williams, Kathleen S. Lomax, D. S. Lowry, D. T. McCarthy, N. R. MacDonald, P. R. MacEneaney, M. J. McEwen, W. McGimpsey, Catherine McGuire, G. McInroy, Eileen P. McKechnie, C. M. Mackie, Cheillah Mahenthiralingam, J. H. D. Mair, Pranab K. Maiti, Valapara Manorama, R. G. Marriott, N. W. Marshall, G. E. D. Martin, Rowena M. Mathias, M. H. M. Meeran, R. L. Miller, P. M. Moloney, K. Monga, C. J. L. Morgan, J. J. Morrice, L. G. Morris, Elizabeth A. Morton, Jessica Moses, M. J. Mowbray, Joydeeb Mukherjee, Sindhu V. Mulgund, J. E. T. Mulholland, Elizabeth M. Mutch, S. J. Nalliah, Frances M. C. Neilson, A. J. S. Nicholls, J. A. A. Nichols, I. G. Nisbet, G. I. Okonkwo, Kathleen O'Sullivan, R. N. Palmer, Dayanand R. Pandit, Dinesh Pandya, Audrey M. Parkes, Sarojani Patel, W. D. Paterson, Kalpana Paul, Dorothy A. Payne, Marianne A. Pearce, C. W. G. Peterkin, S. L. Pethick, M. Pettit, Cynthia Phillips, Elizabeth R. Phipps, Pallavayeli S. Pillay, A. G. Cocklington, Shivashanker Premila, Nandita Purkayastha, R. J. Rand, G. D. Rawes, G. R. Rea, Agnes L. Rennie, S. M. Renton, A. D. Revel, Zeenat T. Rizvi, A. J. Roberts, G. L. Robertson, A. A. Robinson, Isobel A. Roddick, Anne E. P. Rodway, W. M. Rogan, R. J. R. Ropner, G. A. W. Ross, T. J. Rudman, Carol J. Sage, Maduri Sahai, S. Saha, M. H. Said, Bibhra Saikia, R. J. Salem, Gopalani Sarala, Asha Saxena, Anila V. Shah, D. E. P. Shapland, Margaret S. B. Shearman, Teresa M. Shelley, Fatemeh G. Shiva, Gauri M. Shrestha, Laxmi N. Shrestha, Manju Shrivastav, N. Silk, M. J. Silman, P. I. Silverstone, K. R. Simpson, Devendra B. Singh, Meera Sinha, R. C. B. Slack, A. P. Smalming, R. J. Smeeton, I. R. Smith, M. S. S. Smith, Heather M. Snook, E. H. Speck, Judith A. Spenceley, R. A. E. Spilling, A. E. Stedman, Carole E. Stevenson, R. A. Strachan, R. G. Street, Mahira K. Sukhera, A. Sutton, Margaret Swaddle, R. I. A. Swann, C. R. S. Tait, R. J. Tapper, I. A. Taylor, I. W. Taylor, R. J. Thew, Karthigesu Thiagarajah, J. W. Thompson, Linda R. Thompson, R. Thrush, J. A. Townsend, Eileen D. Twomey, M. S. Udal, Perva S. Vakil, Sajeda B. M. G. Vayid, Jennifer M. Verinder, B. R. W. Vickers, Shashi Vohra, Margaret M. Walker, P. G. MacR. Wallace, C. J. Watkins, R. T. Watson, T. R. Watson, L. A. Watterson, Linda M. Welberry, M. J. Wellings, R. J. J. Wenger, D. S. White, Grace P. Whitley, W. J. Wiggins, Carolyn A. Wilkins, K. L. Williams, J. W. Wilson, R. F. Wilson, D. G. Withers, Hazel P. Wood.

Deaths

Redfern.—On 28 April 1970, suddenly, Arthur Reginald Redfern, M.B., Ch.B., of 3 Compton Avenue, Parkstone, Poole, and formerly of Wimpole Street W.1, aged 77.

Slater.—On 30 April 1970, suddenly, at his home, White House, Forest Road, East Horsley, Surrey, John McDonald Scott Slater, M.B., F.R.C.S.Ed., aged 71.

Corrections

Thyroid Replacement Therapy

In the article "Combined Thyroxine and Triiodothyronine for Thyroid Replacement Therapy" by Selwyn Taylor, M. Kapur, and Ross Adie (2 May, p. 270) part of the Acknowledgements section was omitted in error; this should have read as follows:

"Professor I. D. P. Wootton and Miss Leballeur were responsible for the P.B.I. estimations."

Liquor Examination

In the article "Role of Liquor Examination" by W. Walker (25 April, p. 220) the liquor bilirubin ratio referred to in the Table should have been 1.099 and not 1.009 as stated.

Childhood Bronchitis

In the article "Urban and Social Origins of Childhood Bronchitis in England and Wales," by J. R. T. Colley and D. D. Reid (25 April, p. 213), we greatly regret that there were a number of errors. The corrected sentences should have read as follows:

Page 213, para. 1, line 1: "A survey of respiratory disease . . . showed a pronounced social class gradient . . ."

Page 213, para. 2, line 11: "Parental social class was important in the past . . . (Grundy

and Lewis-Faning, 1957; Douglas and Blomfield, 1958.)"

Page 214, para. 7, line 4: "Table II shows that after adjusting for age, height, weight, and social class . . ."

Page 214, Table II third column, second line: Peak Flow Rate (l./min.) = 226.

Page 214, para. 8, line 3: "The rates for . . . are a little higher among boys." (the remainder of the sentence being deleted).

Page 215, Table III, second column: Total = 5,414.

Page 215, Table III, third column: Total = 5,285.

Page 215, Table IV (heading): "Prevalence (%) of Ear Perforation . . ."

Page 215, para. 1, line 1: "The larger samples obtained . . . allow a clear comparison . . ."

Page 216, para. 3, line 14: ". . . the constancy of the percentage deficit . . . in those with the same positive history . . ."

Page 216, Table VIII (heading): "Peak Expiratory Flow Rate . . . Males and Females"

Page 216, Table VIII (footnote): "Number of cases are given in parentheses."

Page 217, para. 2, line 1: "This large survey . . . (Douglas and Blomfield, 1958 . . .)."

Page 217, para. 1, line 8: ". . . in Douglas and Blomfield's study . . ."

Page 217, para. 5, line 12: ". . . for a Welsh excess in respiratory morbidity . . ."

Page 217, para. 5, line 15: "Without further detailed studies the true reason will remain obscure."

References: "Douglas, J. W. B., and Blomfield, J. M. (1958) . . ." "Grundy, F., and Lewis-Faning, E. (1957) . . ."

The last sentence in the first paragraph of the "Introduction" should have been deleted.

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.

Subscriptions

Members' subscriptions should be sent to the Secretary of the British Medical Association, B.M.A. House, London, or to the Scottish Secretary, B.M.A. Scottish Office, Drumsheugh Gardens, Edinburgh.

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.