

incorrect to describe cartilage as avascular until ossification is impending; there is no mention of the vascular "cartilage canals."

It is to be regretted that he gives no guidance to certain much discussed questions—for instance, the relation of heredity to environment, the so-called "recapitulation," and human hybridization. Current views on such problems are intimately connected with our knowledge of developmental mechanisms, and they should be expounded in a student's textbook. The author treats his subject unevenly, some parts being so full as to be suited only to the teacher while others are presented in so popular a fashion as to be less suited to medical students than to the laity. The long bibliography containing some thousand references omits some of the newer contributions (e.g., by Needham) in favour of older ones. There is no guidance for the student on how to read selectively nor is he shown how the text is related to the references.

If we have stressed the omissions in this book it is because they will disappoint the senior student, while the junior will not find the guidance that he requires. In contrast, however, the descriptions of organogeny, which have constituted so much of the conventional field of embryology in the past, are well set out and made clear with the aid of excellent pictures. As a work of reference this book will be useful on the shelves of every anatomical library.

ARTHUR B. APPLETON.

TORULOSIS

Human Torulosis (A Clinical, Pathological and Microbiological Study, with a report of thirteen cases). By Leonard B. Cox, M.D., M.R.C.P., F.R.A.C.P., and Jean C. Tolhurst, M.Sc. (Pp. 149; 67 figures. 25s.) Melbourne: Melbourne University Press, 1946. London: Geoffrey Cumberlege (Oxford University Press).

Torulosis, although widely distributed, is believed to be uncommon in all countries, but its rarity is difficult to estimate because accounts of many diagnosed cases have not been published, and, presumably, many more cases not correctly diagnosed are included in the returns of tuberculosis and similar diseases. The greatest number of cases have been reported in the U.S.A., but the highest incidence of the disease in proportion to population appears in Australia.

This admirable work is the latest and most comprehensive monograph on torulosis. The authors present, among other features, a valuable historical record of the disease, followed by a detailed clinical and pathological study of thirteen hitherto unpublished records of Australian cases, and a clinical analysis of the disease in relation to particular systems and organs, with differential diagnosis. They clearly describe the pathology and morbid histology in man and in experimentally infected animals, and include 67 excellent photographs. Although any tissue or organ may be involved, torulosis affects chiefly the central nervous system and its meninges and the lung; it may simulate intracranial tuberculosis, neoplasm, or abscess; and a particular form may be almost indistinguishable from Hodgkin's disease. The diagnosis, therefore, necessarily depends on the mycological examination, a subject to which the authors have given particular attention. They describe the characters and identification of the causative fungus, *Torula histolytica* Stoddard Cutler 1916 (*Cryptococcus neoformans* (Sanfelice 1895) Vuillemin 1901), and, in an illuminating discussion on the mode of infection in torulosis, conclude that *T. histolytica* probably gains entry through the lung and is dispersed by way of the blood stream. Treatment of the intracranial infection is disappointing and the disease is almost inevitably fatal. A bibliography of 134 titles and an adequate index complete this work, which will prove valuable to mycologists and to all practitioners of medicine, especially those who have not yet learned to appreciate the importance of the grave systemic mycoses.

J. T. DUNCAN.

A third edition of *Dental Materia Medica, Pharmacology and Therapeutics*, by Prof. WALTER J. DILLING and Mr. SAMUEL HALLAM, has been published by Cassell and Co., at 13s. 6d. The arrangement of this manual is as before, but new accounts are given of a number of drugs, and the text has been revised to keep pace with recent advances, both scientific and clinical. The names of the drugs are those officially adopted by the British Pharmacopoeia Commission, but well-known proprietary names are quoted as synonyms.

BOOKS RECEIVED

[Review is not precluded by notice here of books recently received]

Mongolism and Cretinism. By Clemens E. Benda, M.D. (Pp. 310. 25s.) London: William Heinemann. 1947. A study of mongolism as a pituitary dysfunction and an account of cretinism.

Psychology of Women, Vol. II, Motherhood. By Helene Deutsch, M.D. (Pp. 439. 25s.) London: Research Books. 1947. A psycho-analytical interpretation of motherhood.

Essentials of Syphilology. By Rudolph H. Kampmeier, A.B., M.D. 2nd ed. (Pp. 465. 25s.) Oxford: Blackwell Scientific Publications. 1946.

A textbook on syphilis for the medical practitioner, with many illustrations.

Diagnostik der Kinderkrankheiten. By Prof. Dr. E. Feer. 5th ed. (Pp. 428. 32s.) Vienna: Springer-Verlag. London: H. K. Lewis. 1947.

The differential diagnosis of children's diseases for students and practitioners; many illustrations.

The Psycho-Analytical Approach to Juvenile Delinquency. By Kate Friedlander, M.D., D.P.M. (Pp. 296. 18s.) London: Kegan Paul, Trench, Trubner and Co. 1947.

Discusses juvenile delinquency, its background and treatment, the training of field workers, and prevention.

Applications of Germicidal Erythral and Infrared Energy. By Matthew Luckiesh, D.Sc., D.E. (Pp. 463. 30s.) New York: D. Van Nostrand Company. 1946.

Discusses the use of radiant energy for disinfection, its artificial production, and its effect on the human body, textiles, and plants.

A Textbook of Gynaecology. By James Young, D.S.O., M.D., F.R.C.S.Ed., F.R.C.O.G. 7th ed. revised. (Pp. 471. 30s.) London: Adam and Charles Black. 1947.

Incorporates recent advances in endocrinology and new material on ovarian tumours; 17 new illustrations.

Handbook of Preventive Medicine. By the Air Ministry. (Pp. 213. 7s. 6d.) London: His Majesty's Stationery Office. 1947.

Information on hygiene, sanitation, communicable diseases, nutrition, etc., for the R.A.F.

The Road to Maturity. Ed. by Edward F. Griffith, M.R.C.S., L.R.C.P. (Pp. 232. 7s. 6d.) London: Methuen. 1947.

Essays on sex education by various authors.

Tuberculos Inapparentes. By Prof. Ch. Dejean. (Pp. 191. 250 francs.) Paris: Librairie Maloine. 1946.

An account of atypical or latent tuberculous conditions, their pathology, diagnosis, and treatment.

Éléments de Physiologie Humaine. By Prof. L. Launoy. 2nd ed. (Pp. 760. Paper, 150 francs; bound, 350 francs.) Paris: Librairie Maloine. 1947.

A textbook of human physiology for students.

Chemical Anatomy, Physiology and Pathology of Extracellular Fluid. By James L. Gamble. 5th ed. (7s. 6d.) Harvard University Press. (London: Geoffrey Cumberlege.) 1947.

A summarized lecture syllabus for teaching purposes; with diagrams and references.

The Sanitary Inspector's Handbook. By Henry H. Clay, F.R.San.I., F.I.S.E. 6th ed. (Pp. 545. 22s.) London: H. K. Lewis. 1947.

The methods and apparatus of hygiene and sanitation, with reference to the relevant laws.

Insect Pests. By W. Clunie Harvey, M.D., D.P.H., M.R.San.I., and Harry Hill, F.R.San.I., F.S.I.A., A.M.I.S.E. 2nd ed. (Pp. 347. 14s.) London: H. K. Lewis. 1947.

Two new chapters have been added on mosquitoes and moths and on D.D.T.

Molecules Against Microbes. By E. S. Duthie, M.B., Ph.D. (Pp. 150. 6s.) London: Sigma Books. 1946.

An account of chemotherapeutics and antibiotics for the layman.

Universities and Colleges

UNIVERSITY OF LONDON

LONDON (ROYAL FREE HOSPITAL) SCHOOL OF MEDICINE FOR WOMEN

The following scholarships have been awarded for 1947-8:

Medical Exhibition: Miss M. J. R. Millar (London (Royal Free Hospital) School of Medicine for Women). **A. M. Bird Entrance Scholarship:** Miss S. Nourse (Sydenham County Secondary School). **Mrs. George M. Smith Scholarship:** Miss C. Wright (Dame Allan's Girls' School, Newcastle-upon-Tyne). **Mabel Sharman Crawford Scholarship:** Miss M. P. Mearman (Sandown County Grammar School, Isle of Wight). **McIntyre Evans Scholarship (awarded by the Clothworkers' Company):** Miss B. M. Bough (London (Royal Free Hospital) School of Medicine for Women). **Elizabeth Bolton Scholarship:** Miss C. Hartstein (London (Royal Free Hospital) School of Medicine for Women). **Dr. Margaret Todd Scholarship:** Miss J. M. Ward (London (Royal Free Hospital) School of Medicine for Women). **A. M. Bird Clinical Scholarship:** Miss M. Mitchell (London (Royal Free Hospital) School of Medicine for Women).

UNIVERSITY OF LIVERPOOL

The following candidates have been approved at the examinations indicated:

M.D.—T. C. Gray.

M.RAD.—*Part I:* H. G. Frank, A. M. Fraser, J. R. MacLeod, D. E. Peterson, I. Pierce-Williams, M. Robinson, H. L. Ross, G. D. Scarrow, W. I. Walker, J. Winter.

FINAL M.B., Ch.B.—*Part III:* F. G. Anderson, I. S. J. Crosbie, E. Dewsbury, Nancy V. Dilling, W. Ellenbogen, Sheila K. Frazer, G. I. T. Griffiths, Elizabeth Howorth, A. B. Jones, F. P. Lennon, G. L. Levy, G. H. Lucas, J. E. Riding, Audrey A. Shone, G. C. Slee, M. H. Turner, L. C. Wolfman. *Part II:* C. Alexander, June P. Arnold, W. B. Ashby, D. J. B. Ashley, Barbara B. Ball, Mary F. Barrie, A. J. Bathurst, J. F. Bell, G. Bilsbarrow, L. B. Bruce, Anthea M. Bushby, C. R. Cartwright, A. Dalzell, F. J. Dunn, E. C. Edwards, J. D. E. Edwards, Elspeth M. Evans, J. A. Finnigan, H. L. Goffman, T. D. H. Gray, Sylvia S. C. Hinde, C. I. Hood, C. O. le C. Hughes, Gwen E. Hughes, T. J. M. Hughes, J. Humphreys, Mair Humphreys, Dorothy M. Jennings, Elizabeth M. Johnson, C. H. Jones, W. W. Jones, B. Kay, P. Kilburn, J. G. Kingan, Christine Lewis, J. F. Lynne, A. G. Mackinnon, Mary K. Marchant, G. Marsh, Margaret J. Miller, Helen T. Morgan, E. G. Myerscough, J. O'Donoghue, Mary G. O'Hare, N. C. W. Owen, W. R. Parkes, W. H. Parry, Leslie M. Pinkerton, J. Gwyneth E. Pritchard, Enid Rees, Millicent M. C. Regan, Freda M. Roberts, J. R. Roberts, Kathleen M. Roby, Joyce L. Rowley, Barbara F. M. Shirley, H. M. Thomas, H. Thompson, W. K. M. C. Watkins, D. B. Wilkinson, H. T. G. Williams. *Passed in Separate Subjects:* N. O. Ascroft, Gwyneth H. Kendrick, D. N. Menzies, J. N. Rimmer, and R. V. Roberts (Forensic Medicine and Toxicology). S. Plumpton (Public Health). *Part I:* Margaret Addison, A. J. Bathurst, D. U. Bloor, R. Bradshaw, K. W. Brewster, Dorothy M. Broadhurst, P. Burrows, Mary I. Charlesworth, Lily I. Chesham, J. H. Corbett, A. J. Cunningham, Beryl C. Davies, E. J. J. Davies, Catherine M. Durkin, W. Ellis, O. L. Evans, G. H. Fletcher, P. H. Grace, R. I. Green, I. W. Griffith, Margaret E. Hall, D. B. Hargreaves, Brenda M. Heathcote, J. F. Hobson, W. M. Hunter, P. Hurst, W. B. Jennett, Margaret L. Johnson, J. L. Jones, R. E. Jones, R. H. Jones, Halina Z. Kalinicka, J. G. Kay, J. G. Kingan, Margaret Knox, Margaret A. Lees, D. H. Lloyd, E. S. Lovgren, Marcia McArthur, D. N. Menzies, Ethel Owens, W. R. Parry, Sheila M. Pope, Ursula C. Pope, H. Riad, J. C. Richardson, R. K. Rimmer, G. K. S. Roberts, H. U. Shaw, J. P. Stanfield, Pauline R. Sullivan, J. C. Taylor, R. P. Watkins, D. L. Williams, J. A. Williams. *Passed in Separate Subjects:* Betsy E. Davies, and W. A. Pollitt (Pharmacology and General Therapeutics).

¹Distinction in forensic medicine and toxicology. ²Distinction in public health. ³Distinction in pathology and bacteriology. ⁴Distinction in pharmacology and general therapeutics.

D.P.H.—*Part II:* L. C. Allan, G. H. Ball, T. W. Brindle, A. M. Brown, Mary F. Brownlie, W. F. Christian, D. J. Doherty, Catherine S. Ellams, D. J. Fraser, J. A. Gillet, Patricia F. M. B. Gould, M. D. Kipling, Ann Pryor-Jones, B. Pujari, K. V. Robinson, C. D. Rosenwald, K. C. Sahu, Irene W. Simpson, W. G. Taaffe, A. R. Unsworth, E. Walker, S. R. Warren, E. B. Weeks.

UNIVERSITY OF BIRMINGHAM

Thomas Lionel Hardy, M.D., F.R.C.P., has been appointed to the Chair of Gastroenterology in the Faculty of Medicine of the University. The Chair is a new one and the first of its kind in this country.

James Frederick Brailsford, M.D., F.R.C.P., F.F.R., has been appointed Honorary Director of Radiological Studies in Living Anatomy.

At a Congregation held on July 4 the following medical degrees and diplomas were conferred:

M.D.—W. M. Arnott, T. McKeown, J. M. Smellie.

Ch.M.—A. B. Watson (with honours), N. O. K. Ameli.

M.B., Ch.B.—J. J. Elkes, M. G. Fitzgerald (with second-class honours), J. W. Baker, J. B. Binks, C. W. Bird, D. G. Boyle, F. A. J. Bridgewater, Philippa H. Cadbury, A. E. Caines, A. MacD. Clark, C. P. Cotterill, G. A. Dalton, D. Darlington, C. J. C. Davey, Jean M. Evans, Sheila Fairclough, Margaret L. Fallon, G. E. Faulkner, O. P. Gray, D. A. Hanson, F. G. Isaacs, W. C. Lees, W. H. McIlveen, Beryl W. Marson, F. W. Millard, A. L. Mintz, J. C. E. Pougher, L. W. Robinson, P. W. H. Robinson, Barbara Shaw, N. K. Shinton, M. J. Simpkins, G. Slaney, A. J. White, Rose A. J. Whitelaw, Margaret D. Wigley, Jacqueline Dometen, Ruth W. Towler.

D.P.H.—Edith M. A. Alexander, Joyce M. Allen, R. J. Calvert, Frances M. Earle, H. Genter, J. R. Gibson, D. MacD. I. Harman, A. F. Morgan, E. C. Ostler, W. R. Perry, R. G. Record, B. D. Robinson, F. A. Smith, Margaret M. Timpany. *Certificate in Public Health:* T. F. H. Duffell, F. E. Fletcher, E. Williams.

The following scholarships, etc., were awarded in the Faculty of Medicine (including the School of Dental Surgery):

Queen's Scholarship (Third Year), Peter Thompson Prize in Anatomy (Third Year), and John Barritt Melson Memorial Gold Medal (Third Year): J. T. Eayrs. **Queen's Scholarship (Fourth Year):** D. E. Wallis. **Queen's Scholarship (Fifth Year):** J. H. Morgan. **Queen's Scholarship (Final Year), Ingleby Scholarship in Obstetrics and Gynaecology, and Obstetrics and Gynaecology Prize:** M. G. Fitzgerald. **Special Undergraduate Scholarships:** E. H. Ashton, Madge M. Breward, P. B. Clarke, J. T. Eayrs, H. C. White. **Bertram Windle Prize in Anatomy:** Madge M. Breward. **Leith Newman Prizes in Pathology (Fourth Year):** J. A. Ireland (Medical), J. R. Moore and Edith Crawford (Dental, divided). **Ingleby Scholarship in Paediatrics and Child Health:** A. MacD. Clark. **Arthur Foxwell Memorial Medal:** F. W. Millard. **Sampson Gamgee Memorial Medal:** M. G. Fitzgerald and G. Slaney (divided). **Priestley Smith Prize in Ophthalmology:** D. Darlington. **Russell Memorial Prize:** M. J. Simpkins. **Douglas Marsh Ear, Nose and Throat Prize:** B. D. Bower. **Lawrence Barnard Carlton Scholarship:** J. P. Pimley. **John Humphreys Memorial Prize:** J. R. Moore. **Senior Medical Prize:** D. A. Hanson. **Senior Surgical Prize:** G. Slaney. **Paediatrics and Child Health Prize:** Gwyneth J. Pearson. **Junior Surgical Prize:** R. G. Robinson.

¹Distinction in surgery. ²Distinction in medicare. ³In absentia.

UNIVERSITY OF SHEFFIELD

Drs. V. Blackman, T. Jones, T. S. King, and J. W. Perrott have been appointed demonstrators in anatomy, and Mr. J. C. Newbold, F.R.C.S., part-time tutor in obstetrics.

UNIVERSITY OF DURHAM

The following candidates have satisfied the examiners at the examinations indicated:

M.D.—P. B. Crone, W. A. S. Falla, J. H. Middlemiss, C. Neubauer, S. G. Siddle, P. Szekely, Mary D. Taylor.

FINAL M.B., B.S.—J. P. Anderson, *Jacqueline Elliott, A. Ashcroft, G. M. Bell, S. A. Biggart, Joan Bridge, Sheila M. Cameron, D. J. Cawthorne, Lucy E. Coates, R. Cowley, L. H. Field, Peggy Foster, J. B. Fox, J. Glaser, D. L. Golightly, A. C. Griffith, W. P. Haigh, A. Hand, B. Hayes, Catherine V. Johnston, J. Josephs, A. R. Kirby, H. F. Lake, T. K. Lamballe, D. B. Leaming, Elizabeth U. Lee, M. F. Levy, F. I. Locke, K. McKay, Lorna M. McLeod, Margaret A. Nattrass, A. O. Odulate, Margaret J. Parbrook, R. T. Parr, D. Refson, A. A. Reid, M. C. Robson, A. I. Rowe, J. N. S. Simpson, Patricia M. McK. Smith, A. H. Snaith, W. E. Suffed, Sonia H. J. Sumner, Evelyn Swangren, Anastasia Swinburne, Helena C. W. Wardle, D. G. V. Whittingham.

*With second-class honours.

UNIVERSITY OF GLASGOW

At a Graduation ceremony on July 9 the following medical degrees were conferred:

M.D.—*Jean L. Buchanan, *B. Coutts, *Margaret S. Ferguson, *Sheenah J. McK. Russell, *Elizabeth B. S. Scobbie, *A. B. Semple, *Sylvia J. Strachan, *A. McL. W. Thomson, J. T. Boyd, J. Caldwell, R. Hillman, W. B. McKenna, I. H. McNeil, K. Sagoe, J. F. Swan.

M.B., Ch.B.—Anne S. McNaughton (with honours), *A. D. Roy, *W. P. Crane, *R. Pirrie, *W. A. J. Crane, H. M. Adam, J. Aitken, K. J. Alexander, A. C. Anderson, Joan Angus, A. S. Arnel, J. Barr, J. B. Bell, A. Boyd, H. W. Boyd, J. M. Boyd, Anne N. MacK. Brittain, J. C. Brocklehurst, I. H. Brown, James Brown, John Brown, R. W. Bryson, Margaret H. S. Calder, Margaret Cameron, M. W. Clark, J. Craig, A. S. Cullen, J. Currie, Pamela A. Davies, E. D. B. Denovan, M. B. Divertie, Irene E. Donald, Lillian I. Donald, R. Donald, A. N. Dowie, Alison M. T. Diimmie, Margaret B. Eadie, A. Fairley, W. R. Falconer, Margaret M. Ferguson, J. J. Flanagan, T. H. S. Forrest, W. T. Fullerton, Rosamund M. H. Fulton, L. A. Gillanders, W. J. Gordon, A. Guinea, Jessica M. S. Hamilton, J. S. Happel, I. L. D. Hodge, J. R. R. Holms, J. G. Inglis, W. T. Irvine, D. Irwin, B. Isaacs, Agnes B. Johnstone, G. D. Kay, J. M. Kay, Teresa Keely, J. W. Kerr, Agnes F. W. Loughland, Joyce F. P. Lightbody, G. S. Macadam, I. McAlpine, H. S. McCallum, Lorna G. Macdougall, Christine R. Macgregor, Susanne M. Macgregor, I. MacIntyre, Sheila Macintyre, D. McD. McKean, B. D. McKee, D. I. MacKenzie, S. D. MacKenzie, W. McKerrill, Ella I. Mackinnon, A. MacLean, A. I. MacLeod, R. C. Macleod, J. B. McMillan, A. L. McNab, D. L. McNab, A. Macpherson, A. Mair, Helen M. Mair, D. B. Meek, J. C. Merry, J. S. Moffat, J. Morgan, Agnes A. M. Muir, A. Munro, D. B. Neilson, Marjorie G. Nisbet, Mary K. P. Pollock, F. B. Proudfoot, Helen J. G. Ramsay, D. A. Rice, Sheila C. S. Richard, A. A. Robin, T. Russell, W. I. Russell, G. Sclare, Alison Shannon, J. Simpson, J. T. Smith, J. Stanners, Isobel M. W. Stark, J. Stewart, Margaret P. Stewart, R. Strang, A. McM. P. Thomson, D. H. Thomson, W. O. Thomson, W. Todd, D. Turnbull, A. Urquhart, W. B. Waddell, Joan L. Wakeham, Mary C. Wallace, Camilla M. Walton, J. A. Watson, A. A. Wilson, T. A. Wilson, C. M. Wylie, F. O'N. Young, Mary A. C. Young.

*With commendation.

The following prizes and medals were awarded: **Brunton Memorial Prize, West of Scotland R.A.M.C. Memorial Prize, and John W. Weir Prize:** Anne S. McNaughton, M.B., Ch.B. **Macewen Medal in Surgery:** D. H. Sproull, M.B., Ch.B. **Stockman Medal:** A. D. Roy, M.B., Ch.B.

UNIVERSITY OF ST. ANDREWS

The following candidates have been approved at the examinations indicated:

M.D.—H. H. A. Elder, D. C. Sinclair (with honours).
M.B., Ch.B.—J. D. Andrew, *Margaret M. Downes, *D. M. Green, *Margaret Lamb, *J. M. McGilchrist, *E. C. Mathieson, *Jessie M. B. Muirhead, *R. J. A. Nicol, *J. A. Reid, *Margaret W. Richardson, *W. B. Robertson, *C. E. G. Smith, *G. R. Tudhope, Mary Auld, Mona A. Barron, Christine Benson, W. S. Bowman, Ruth Brogden, J. F. Butchart, G. S. Caithness, Diana Campion, Gillian Crow, A. L. M. Davidson, Margaret B. Dempster, K. P. Duncan, A. Ewing, A. D. Forrest, J. P. Fraser, J. A. Freeman, J. L. Hamilton, A. P. B. Harston, Margaret J. Jackson, Olive M. Landsman, A. G. R. Law, J. S. M. Low, Sheila McCall, R. H. A. MacGranthin, D. McLaughlin, Margaret C. Macleod, R. K. Machell, A. B. Mann, Helen S. Mathewson, D. R. S. Ritch, I. K. Sharp, Ada H. Shepherd, W. Shepherd, Isobel M. Soutar, O. H. Taylor, A. C. Traill, Elizabeth White, Nora P. Woods.

*With commendation.

Banting Memorial Lecture

Prof. Charles Best, F.R.S., will deliver the Banting Memorial Lecture under the auspices of the Diabetic Association on Friday, July 18, at 10.30 a.m. in the Medical School, King's College Hospital. The lecture will be followed by other lectures and demonstrations on the treatment of diabetes, on Friday afternoon, July 18, and Saturday morning, July 19. Medical men and students are invited to attend.

Venereal Disease in N.H.S.

The annual general meeting of the Medical Society for the Study of Venereal Diseases will be held at 11, Chandos Street, London, W., on Saturday, July 26, at 3 p.m., when a discussion on "Venereal Disease in the National Health Scheme" will be opened by Col. L. W. Harrison.

Colour Vision

The Colour Group of the Physical Society announces that a Conference on Colour Vision will be held at Cambridge from July 28 to Aug. 2. The provisional programme includes the following papers: Prof. S. L. Polyak (Chicago), "Retinal Structure and Colour Vision"; Prof. R. Granit (Stockholm), "Electrophysiology of the Retina"; Dr. D. L. McAdam (Rochester, N.Y.), "Colour and Brightness Discrimination"; Dr. W. S. Stiles (Teddington), "Fundamental Sensation Curves"; Dr. D. B. Judd (Washington), "Colour Blindness"; and a contribution by Prof. S. Hecht (New York). Further information may be obtained from Dr. E. N. Willmer, Physiological Laboratory, Cambridge, to whom all applications for tickets should be addressed.

SOCIETIES AND LECTURES

ROYAL COLLEGE OF SURGEONS OF ENGLAND, Lincoln's Inn Fields, W.C.—Thursday, July 24, 6.15 p.m. Charles Tomes Lecture by Prof. E. Sprawson: Foods and Feeding as they Affect Teeth and their Environment.

KENT PAEDIATRIC SOCIETY.—At County Hospital, Farnborough, Saturday, July 26, 3 p.m. Prof. Lionel Penrose: Genetics in Relation to Paediatrics.

MEDICAL ART SOCIETY.—Exhibition at Royal Society of Medicine, 1, Wimpole Street, London, W., Thursday, July 17, to Saturday, July 26.

POSTGRADUATE DIARY

FELLOWSHIP OF MEDICINE, 1, Wimpole Street, London, W.—*Royal Hospital, Richmond, Surrey*: Saturday, July 26, 9 a.m. to 5.30 p.m. One day course on the Diagnosis and Treatment of Varicose Veins. Open only to those holding Surgical Appointments. *Dreadnought Hospital, Greenwich, S.E.*: Saturday and Sunday, July 26 and 27. All-day week-end course in Medicine and Surgery.

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY, 330, Gray's Inn Road, London, W.C.—Monday, July 21, 4.30 p.m. Mr. W. M. Mollison: The Nose, Nasopharynx and Paranasal Sinuses.

The Fellowship of Medicine announces: (1) A week-end course on chronic rheumatic diseases to be given at the Rheumatic Unit, St. Stephens Hospital, Fulham Road, S.W., on Saturday and Sunday, October 25 and 26. (2) A course of lectures on Anatomy, Physiology, Pathology, Bacteriology, and Pharmacology, for Primary F.R.C.S. candidates, to be given at the Lecture Room of the Royal Cancer Hospital, Fulham Road, S.W., on Mondays, Wednesdays and Fridays, from August 18 to October 24. All particulars from the Fellowship of Medicine, 1, Wimpole Street, London, W.

BIRTHS, MARRIAGES, AND DEATHS

The charge for an insertion under this head is 10s. 6d. for 18 words or less. Extra words 3s. 6d. for each six or less. Payment should be forwarded with the notice, authenticated by the name and permanent address of the sender, and should reach the Advertisement Manager not later than first post Monday morning.

BIRTHS

CONDIE.—On June 1, 1947, at Perth Royal Infirmary, to Martha Rennie (née Scott), wife of Dr. William Hall Condie, M.B., Ch.B., Schoolhouse, Kinfauns, Perth, a son. Both well.

HILL.—On July 4, 1947, at Dublin, to Dr. Nancy Hill (née Hinchliff), wife of Dr. William J. C. Hill, Duncreggan, Portrush, Northern Ireland, a daughter—Valerie Elizabeth.

MACARTNEY.—On July 7, 1947, at Crumpsall Hospital, Manchester, to Joyce (née Worthington), wife of Dr. Donald W. Macartney, a son.

TAIT.—On July 3, 1947, at Chesterfield, to the wife of Dr. A. P. Tait, a daughter.

TAYLOR.—On July 8, 1947, at Kirrier Nursing Home, Arbroath, to Dr. and Mrs. Taylor (Peggy Reid), Hyde Park House, Arbroath—a daughter.

DEATHS

ARMSTRONG.—On June 23, 1947, at 11, Sefton Drive, Liverpool, 8, Hubert Armstrong, M.D.

BAKER.—On July 8, 1947, Helen Baker, M.D., D.P.M., wife of John Peterson, University House, Bethnal Green.

HARMER.—On June 25, 1947, suddenly, at George, South Africa, John Daniel Harmer, O.B.E., F.R.C.S.Ed., beloved husband of Marjorie Harmer, of Longford, Kingswear, Devon.

O'MEARA.—On May 18, 1947, at Luton, Beds, Dr. Hubert O'Meara, M.B., B.S.Lond.

Any Questions ?

Correspondents should give their names and addresses (not for publication) and include all relevant details in their questions, which should be typed. We publish here a selection of those questions and answers which seem to be of general interest.

Poliomyelitis and Water

Q.—Is there any foundation for this statement recently published in a lay paper: "Current medical opinion is that acute anterior poliomyelitis is spread by contaminated water and the recent incidence is a result of the rise in level of ground water owing to heavy rains and the consequent pollution of unprotected water supplies by the virus"? An annotation in the *British Medical Journal* last year said that since the virus was demonstrated in faeces in 1940 it had focused attention on the importance of the four F's in its spread; but it did not stress the importance of water.

A.—There is no foundation for the suggestion that the recent occurrence of poliomyelitis is due to a rise in the level of ground water, since this infection has its greatest incidence in the autumn, when ground-water levels are ordinarily low. However, the virus of poliomyelitis is present in the faeces of typical and abortive cases during the acute and convalescent stages of the infection, and it has been recovered from the sewage of towns at the time when cases were occurring in that area. Some outbreaks have also shown a geographical relationship to water courses, so that the possibility that water from sewage-contaminated rivers and swimming-pools may be a vehicle for the spread of the virus cannot be gainsaid. When a case has occurred in a household, therefore, all the necessary precautions should be taken to prevent the spread of infection to food or drink by contaminated hands or flies. At the same time, there is a considerable body of evidence that infection is most often spread by direct contact, which may mean that droplets from the upper respiratory tract may also spread the disease. The virus can be demonstrated in the oropharynx during the acute stage, and it has lately been recovered from the throats of school-children in contact with a case. A high standard of personal hygiene in a household or semi-closed community where infection has appeared is therefore the most likely means of controlling spread of poliomyelitis.

Vaccination against Smallpox

Q.—What should be the frequency of vaccination in areas where smallpox is endemic? What interpretation as to the subject's immunity is to be given to the so-called "immune response"—that is, a fleeting papule appearing 48 to 72 hours after immunization?

A.—Revaccination every 10 to 12 months should be carried out in areas where smallpox is endemic. A fleeting papule 48 to 72 hours after vaccination with vaccine lymph merely indicates a previous contact with the antigen and may occur with dead virus. Thus it is probably only a "sensitivity" reaction and not an indication of immunity. It is considered safest to record "successful vaccination" only when a vesicle appears. It is interesting to note in this connexion that vaccination by the multiple pressure method has recently resulted in good takes in numerous individuals who had several unsuccessful vaccinations by the usual scratch method.

Lisping

Q.—A boy aged 6, of normal intelligence, has lisped since learning to speak. Should an effort be made to correct the defect now, or should it be left to right itself?

A.—In lisping (or dyslalia) there is a persistent impairment of enunciation of one or more consonants. Its causes and degree vary considerably. In this case local causes, such as a shortened fraenum linguae or a malformed palate, should be sought and treated, together with any other pathological states of the nose and throat not obviously connected with the trouble. If dyslalia persists after this, or if no such causes are found, treatment by a speech therapist should be given if