

spinal diseases, and is, to the present reviewer, the most important feature of the book.

Less emphasis is given to histopathology, and discussions of the aetiological and metabolic aspects of the subject are not outstanding. Because of the wealth of material collected in Dresden and the meticulous care with which it was studied, it is a great pity that more detailed information is not given concerning the incidence and distribution of the various types of lesion described. A limited amount of information of this type is given for metastatic carcinoma, Paget's disease, "spondylosis," and spinal haemangioma, but even in Paget's disease—to take an example where Schmorl's work is widely known and quoted—it is not possible from the present volume to obtain information on the incidence of this condition in various age groups, or the relative frequency of involvement of the various vertebral bodies.

Schmorl was particularly interested in abnormalities of intervertebral disks and was a pioneer in their study in the years following 1925. It is therefore not surprising that the section of the book which deals with this subject is both detailed and informative.

H. A. SISSONS.

### BIOCHEMICAL NEUROLOGY

*Biochemical Aspects of Neurological Disorders.* Edited by John N. Cumings, M.D., F.R.C.P., and Michael Kremer, M.D., B.Sc., F.R.C.P. (Pp. 230+x; illustrated. 37s. 6d.) Oxford: Blackwell Scientific Publications. 1959.

This useful book will be read by every physician interested in modern developments in neurology. Each of its twenty chapters is based on a lecture delivered at the National Hospital, Queen Square, in 1947 to 1958. The first of each pair of lectures deals with the biochemical and the second with the clinical aspects of a current topic in neuropathology. Amongst the subjects treated in this way are the vitamin-B deficiencies (Peters and Spillane), demyelination (Thompson and Symonds), porphyria (Rimington and Elkington), copper metabolism (Cumings and Kelly), and anoxia and hypoglycaemia (Richter and Williams). The biochemistry of coma, neurological aspects of liver disease, neuro-lipoidoses, and disorders of calcium and phosphorus metabolism and of the adrenal and pituitary glands are also discussed, and a biochemical and clinical account of muscle diseases is included.

Great care has obviously been taken to make the biochemical presentations intelligible to the clinician, and indeed the whole book is very much more readable than its somewhat formidable title would suggest. The reviewer especially enjoyed Spillane's idiosyncratically dynamic account of the vitamin-B deficiencies, with its fascinating historical vignettes: R. H. S. Thompson's clear and modest presentation of our limited knowledge in the field of enzyme disorders related to demyelination; and Sir Charles Symonds's stimulating account of the possible relationships between disseminated sclerosis and other demyelinating disorders. But such selection reflects the interests of the reader rather than the virtues of the chapters, and other readers would no doubt find other preferences amongst contributions, all of which reach a high standard. Viewed historically, *Biochemical Aspects of Neurological Disorders* is an encouraging illustration of the current escape of neurology from its nosographic preoccupations into wider and more promising fields.

HENRY MILLER.

### BOOKS RECEIVED

*Review is not precluded by notice here of books recently received.*

*Microbiology. Historical Contributions from 1776 to 1908.* Edited by Raymond N. Doetsch. (Pp. 233+xi; illustrated. \$5.) New Brunswick, N.J.: Rutgers University Press. 1960.

*The Principles and Practice of Refraction.* By G. H. Giles, O.B.E., F.B.O.A.(Hons.), F.S.M.C., D.Orth. (Pp. 688+xix; illustrated. £6 6s.) London: Hammond, Hammond and Co. Ltd. 1960.

*Trance in Bali.* By Jane Belo. (284+xiii; illustrated. 60s.) New York: Columbia University Press. London: Oxford University Press. 1960.

*Psychophysiologic Approach in Medical Practice.* By William W. Schottstaedt, M.D. (Pp. 352. 60s.) Chicago: The Year Book Publishers, Inc. London: Interscience Publishers, Ltd. 1960.

*Occupational Therapy in Rehabilitation.* Edited by E. M. MacDonald, B.Litt., T.M.A.O.T. (Pp. 348+xvi; illustrated. 37s. 6d.) London: Baillière, Tindall and Cox. 1960.

*Current Psychological Issues.* Edited by Georgene S. Seward and John P. Seward. (Pp. 360. 42s.) London: Methuen and Co. 1960.

*Manual for Examination of Patients.* School of Medicine and North Carolina Memorial Hospital, The University of North Carolina, Chapel Hill, N.C. (Pp. 231. 34s.) London: Interscience Publishers, Ltd. Chicago: The Year Book Publishers, Inc. 1960.

*Radioactive Wastes. Their Treatment and Disposal.* Edited by J. C. Collins, B.Sc., M.S.E., A.M.I.C.E. (Pp. 239+xix; illustrated. 55s.) London: E. and F. N. Spon Ltd. 1960.

*The Neutron Story.* By Donald J. Hughes. The Science Study Series vol. 1. (Pp. 158; illustrated. 4s. 6d.) London, Melbourne, Toronto: William Heinemann Ltd. 1960.

*Magnets. The Education of a Physicist.* By Francis Bitter. The Science Study Series vol. 2. (Pp. 155; illustrated. 4s. 6d.) London, Melbourne, Toronto: William Heinemann Ltd. 1960.

*Soap Bubbles and the Forces which Mould Them.* By C. V. Boys. The Science Study Series vol. 3. (Pp. 156; illustrated. 4s. 6d.) London, Melbourne, Toronto: William Heinemann Ltd. 1960.

*Echoes of Bats and Men.* By Donald R. Griffin. The Science Study Series vol. 4. (Pp. 156; illustrated. 4s. 6d.) London, Melbourne, Toronto: William Heinemann Ltd. 1960.

*How Old is the Earth?* By Patrick M. Hurley. The Science Study Series vol. 5. (Pp. 160; illustrated. 4s. 6d.) London, Melbourne, Toronto: William Heinemann Ltd. 1960.

*Symposium on Congestive Heart Failure.* Edited by Herrman L. Blumgart, M.D. (Pp. 120; illustrated. \$2.) New York: The American Heart Association, Inc. 1960.

*Group Processes. Transactions of the Fifth Conference, October 12-15, 1958, Princeton, N.J.* Edited by Bertram Schaffner, M.D. (Pp. 196; illustrated. \$4.50.) New York: Josiah Macy, Jr., Foundation. 1960.

*A Short History of Obstetrics and Gynecology.* By Theodore Cianfrani, M.D. (Pp. 449+xvi; illustrated. £5.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

*Man's Posture: Electromyographic Studies.* By J. Joseph, M.D., M.R.C.O.G. (Pp. 88+x; illustrated. 44s.) Springfield, Illinois: Charles C. Thomas. Oxford: Blackwell Scientific Publications. 1960.

*Lupus Vulgaris Cutis in Denmark 1895-1954. Its Relation to the Epidemiology of Other Forms of Tuberculosis.* By Ole Horwitz. (Pp. 142; illustrated. \$6.50.) Copenhagen. 1960.

*Cold Injury. Transactions of the Sixth Conference, July 6-10, 1958, U.S. Army Medical Research Laboratory, Fort Knox, Ky.* Edited by Steven M. Horvath, M.S., Ph.D. (Pp. 375; illustrated. \$6.50.) New York: Josiah Macy, Jr., Foundation. 1960.

*Therapeutic Meal Plans. A New Diet Manual.* Edited by Ruth Gordon, Arlene Payne, and Hazel Parry. Revised edition. (Pp. 66+iii. \$3.) Prepared by the Department of Dietetics and Nutrition, University of Kansas School of Medicine. Lawrence, Kansas: University of Kansas Press. 1960.

interminably writing. Not least in the estimation of a young man was the delight, at the tea interlude, of ascending to the drawing-room and finding if lucky one of his beautiful daughters at home in addition to his charming, gentle, and gracious wife. Failing this, the libations would be stronger, and Munro Kerr would recount all the wisdom of the universe until the small hours.

J. M. M. K. was modest about his achievements, but he told one story with pardonable pride. As a very young obstetrician he read his first paper at the Edinburgh Obstetrical Society in which he advocated the use of caesarean section in opposition to difficult forceps delivery in cases of contracted pelvis. In the subsequent discussion a very senior and eminent Edinburgh obstetrician got up and said he had never come across a case in which he could not pull the head through the pelvis with forceps. To this Munro Kerr replied that he was not quite so strong. Time vindicated this and most of the innovations which he sponsored, for he emblazoned the whole realm of obstetrics with the motto, "Non vi sed arte."

Munro Kerr shared with artists and poets the priceless faculty of seeing the world through rose-coloured spectacles, of seeing a pebble as a gem and a toad as a swan. The number of people he held in the highest esteem, if not actually setting them up on pedestals, was legion. Where other men might tend to belittle or depreciate he was more likely to canonize. He seemed to live in a scintillating and exhilarating world in which heroes and demi-gods were in a comfortable majority. A monster for work, he engaged in it with zest as if it were the most engrossing and fascinating hobby ever planned by the Almighty for the delectation of man. He would exhort his younger colleagues to "hold up the torch of high endeavour" and to do whatever they undertook with all their might and main, but his own example was the greatest inspiration.

In his old age, when he had laid down his tools, I said to him he must have a wonderful feeling of fulfilment. He replied that the tragedy of existence was that one could accomplish so little in the span of a lifetime. One is grateful that the world can produce such men, even if only at rare intervals.

#### G. H. THOMSON, M.B., Ch.B.

The obituary of Dr. G. H. Thomson was published in the *Journal* of October 15 (p. 1167).

N. C. F. M. writes: I wish to add a personal tribute to the late Dr. G. H. Thomson, who practised in Longtown, Cumberland, for the past 32 years: for 10 years of that period I was associated with him as his assistant. He was a man of high ideals, who always gave of his best. He shunned and positively abhorred cheap popularity. To him the truth was always more important than the opportunity to gain temporary favour. His standard of practice was of the highest, and his efficiency in running it filled me with great admiration and envy. His organizing ability in spheres outside the practice of medicine was amazing. Any job he took up had to be done well, and there were never any half measures. He did a great deal for Longtown outside his professional duties, and his striving to attain the peak of knowledge and efficiency in this work was first-class. He would read and study everything and anything about the subject to equip himself fully for the task.

It was natural that, as his assistant, I fell far short of his high standard. For this he always made most generous allowances; and if it proved necessary he would show the utmost loyalty and back me to the limit should I ever make a mistake. I learned a great deal from him and benefited enormously from his example and experience. He had little time or patience for those people who tried to be clever, and he got really annoyed with anyone who tried to cover up deficiencies, and especially lies, by trying to influence him with honeyed words. His personality was such that he could be most controversial. This kept you on your toes, but he invariably, if wrong, graciously conceded any

point in the most charming manner. He never wore his heart on his sleeve, and could be austere and impatient: this did not, however, blind him to the weaknesses in others, and he could approach them with understanding, kindness, and consideration.

His main fault lay in always being shy of his greatest attributes. He almost seemed to put up a barrier to conceal them, which was a great pity, for he had high ideals and an unequalled faculty for always striving to give of his best. He always seemed rather ashamed and even annoyed to be told of them, and he was certainly the last man to admit that he had any at all. I will miss him a great deal, for my association with him reached, at times, very intimate levels, and from him I learnt the very best way to run a practice. Even our disagreements produced lessons of value, and it was most stimulating to work with and for so controversial a personality. We can indeed offer to his widow and three daughters our sincere expressions of deepest sympathy.

Sir JOHN GOODWIN, K.C.B., K.C.M.G., D.S.O.  
Hon.D.Sc., F.R.C.S., Hon.F.R.C.S.Ed.

The obituary of Sir John Goodwin was published in the *Journal* of October 22 (p. 1242).

Sir HENRY BASHFORD writes: I only came to know John Goodwin, as a Wiltshire neighbour, during the last twelve years of his life, but nobody could have doubted, almost at first sight, the reason for his laurels, both as Director of Medical Services in the latter years of the 1914-18 war and afterwards as a Governor in Australia. During most of his last years, the upkeep of a country house having become too burdensome, he lived in a hotel in Marlborough, where he had a small private sitting-room. But even in his late seventies and early eighties he was still a tall and upright figure and an ardent shot and fisherman, who loved to help an occasional boy from the College to beguile a trout from the Kennet or give a tip or two on the ways of a hare to the young followers of the newly formed College beagles.

Reminiscing, as old men will, he was always more ready to talk about sport than professional matters, but he did once tell me, with a twinkle in his eye, of his coaching at Buckingham Palace before taking up his governorship. "You mustn't forget," King George V said, "that you will be my personal representative out there, and if any of my sons visit you, as they may well do, mind you see that they treat you with proper respect." The King then asked him what his own politics were. Goodwin, however, in spite of his natural simplicity and forthrightness, was not to be drawn, even by his Sovereign, for whom he had the deepest admiration. "But I can promise you this, Sir," he said, "that nobody in Australia will know either."

Although towards the end he became very deaf and nearly blind, his sense of fun never forsook him, and one of his favourite stories was about an old lady, a fellow occupant of the hotel, who once invaded his sanctum. On the wall above the fireplace was a row of four mounted fox masks. Each of them was the emblem of a never-to-be-forgotten day, and one of these had left him, in a winter dusk, more than eighteen miles from home, most of which he had had to (or did) walk in order to spare a tired horse. "And do you mean to tell me, Sir John," the old lady inquired, "that you actually shot all those?"

Mrs. Eleanor Elizabeth Lloyd died on October 20 at Hartley Wintney, Hampshire, on the eve of her 106th birthday. A grand-niece of Sir Charles Hastings, she was the last surviving link with the founder of the British Medical Association. Though it is 94 years since Sir Charles Hastings died, Mrs. Lloyd remembered him well, for as a girl she used to pay him a regular visit at Worcester on New Year's Day.

reason gave Mrs. Harvey a written authority to draw the money for her very soon after going to live with Mrs. Harvey. Mrs. Harvey's statement continued by stating that about four or five weeks after Mrs. Knight's arrival, Mrs. Harvey found her lying on the floor of her bedroom in a nightdress and coat screaming and complaining of pain: a few minutes later she died. Mrs. Harvey was "scared stiff" and pulled the body along the landing and put it in a cupboard in which she also put some flypaper: she then locked the cupboard. Mrs. Harvey told no one of the death, and "to keep things quiet" she kept going to the court office each week to collect the maintenance payments. Mrs. Harvey pleaded not guilty to the murder of Mrs. Knight.

The matter only came to light after 20 years when, at the beginning of 1960, Mrs. Harvey was admitted to hospital: her son, Leslie Harvey, in the course of redecorating the house in her absence, forced open the lock of the cupboard. As a result, the police were informed, and Dr. E. G. Evans, a Home Office pathologist, and Dr. A. Clift, biologist on the staff of the north-western forensic science laboratory at Preston, examined the cupboard and its contents on May 5.

Dr. Evans, giving evidence, said that the cupboard contained thick, black, dust-ridden cobwebs. The body lay on the floor with a foot exposed. Near the foot was an empty disinfectant bottle, and a fly-paper was hanging up in the cupboard. There were hundreds of pupa cases in the dust over the body. The abdomen, thighs, and legs were covered by a blanket-type of material, in the folds of which were two portions of fly-paper. The upper part of the body was clothed in a long-sleeved nightdress and a coat or dressing-gown. Across the neck were two portions of material.

On removing the body to the mortuary, Dr. Evans found it to be brick hard, resisting even a hammer and chisel, except on the scalp and face, where slight pitting could be obtained. There was a groove running from front to back of the neck on the left side. A hanging piece of material or tissue dropped as he touched it, but he saw another piece projecting close to the skin, and by following this with his finger into the groove he extracted a piece of material with a knot at the end of it which appeared to be a reef knot. As he laid the material on the bench, it remained in a curve: it appeared to be of stocking material. A groove round the right side of the neck was continuous with the groove on the left side.

Dr. Evans had no reason to believe that the process of mummification was anything but natural. There was no fracture of the skull, but no brain. There was insufficient tissue to be able to state on medical grounds what was the cause of death. In cross-examination Dr. Evans agreed that from case sheets of Professor Cohen (now Lord Cohen of Birkenhead) dating from 1938, it was clear that Mrs. Knight was suffering from disseminated sclerosis; he also agreed that this might cause paraplegia in flexion, which involved the drawing up of the legs to a position similar to that of the body in the cupboard, and that this condition might well cause some disorder of the throat. He was unable to state whether the ligature in this case was put on before or after death, and he agreed that where there was a neutral ligature, such as a collar, round the neck and the skin became swollen after death one would find a groove. He could not agree with the opinion of Sir Sydney Smith and Dr. Camps that the groove was caused in this case by post-mortem changes, but he did concede that a woman who had no sock available might well wrap her throat in a stocking if she had a cold or sore throat, and to be of any use it would have to be applied firmly.

Dr. Evans gave six reasons in support of the suggestion that Mrs. Knight was homicidally strangled by ligature: first, the groove round the neck; secondly, the depression on the left side of the neck; thirdly, a depression on the thyroid cartilage; fourthly, the finding of a ligature on the neck; fifthly, the fact that the ligature would be said to be tight; and sixthly, the evidence as a whole. Dr. Evans

later agreed that the stocking was not twisted and the pattern was not stretched.

Dr. A. Clift gave evidence that from a stitch count and from the appearance of the stocking he formed the view that it had been stretched. He did not agree with the view of the Manchester Chamber of Commerce testing-house that the stocking had not been abnormally stretched. The only way to judge whether the material had been stretched was by counting stitches and looking at the appearance of the material.

On the final day of the trial Dr. Clift collapsed while under cross-examination. The court rose for a short while in consequence, and when the court sat again the Solicitor-General, on behalf of the Crown, withdrew the charge of murder from the jury.

Mr. Justice Davies stated that he entirely agreed with that course. Dr. Evans had been unable to say what was the cause of death, whether it was natural or unnatural, or whether the ligature had been applied before or after death. Unless the prosecution could prove that the stocking had been stretched, the prosecution case must fail. It appeared that the prosecution was in no position to prove this. Mr. Justice Davies refused a defence application for costs and proceeded to sentence Mrs. Harvey in respect of the two charges of obtaining money by false pretences. A sentence totalling 15 months' imprisonment was imposed.

## Universities and Colleges

### UNIVERSITY OF OXFORD

In Congregation on October 11 it was resolved to confer the degree of M.A. upon Sir George Lindor Brown, F.R.S., Waynflete professor of physiology in the University.

Dr. W. J. Clift has been re-elected to the Philip Walker Studentship for 1960-1.

### UNIVERSITY OF CAMBRIDGE

Lord Adrian, Master of Trinity College, has been appointed a Deputy Vice-Chancellor of the University for the academic year, 1960-1.

### UNIVERSITY OF ABERDEEN

Dr. John A. Shanks has been appointed to a terminable lectureship in pathology from December 1, 1960, and Dr. Gordon A. German to a research fellowship in physiology from August 22, 1960.

Dr. I. M. Glynn has been elected into a Fellowship of Trinity College, on appointment as College assistant lecturer in physiology.

### UNIVERSITY OF LONDON

The following degrees were awarded in August:

M.D.—J. A. M. Arger, G. Belyavin, D. Burman.

M.S.—I. F. K. Muir.

The following candidates have been approved at the examinations indicated:

ACADEMIC POSTGRADUATE DIPLOMA IN CLINICAL PATHOLOGY.—E. C. Christian, J. L. Grech, B. K. Jha, H. J. Koornhof, H. G. McDonald, J. B. MacGillivray, Rohma Newman, W. H. Payne, M. J. Phillips, M. Qudratullah, S. M. Sadique, J. Shapiro, I. O. K. Udeozo, K. Zahur-Ud-Din.

ACADEMIC POSTGRADUATE DIPLOMA IN PUBLIC HEALTH.—U. Broccolo Tommasi, W. J. E. Darling, E. D. O. Okeke, D. G. B. Singh, N. Tekirli, Joyce D. Waye, Jean B. Wickings.

EXTERNAL DIPLOMA IN CLINICAL PATHOLOGY.—Dona P. Wijesinghe.

### UNIVERSITY OF BIRMINGHAM

Dr. H. G. Lambert has been appointed a temporary lecturer in the Department of Anatomy.

In Congregation on July 16 the honorary degree of D.Sc. was conferred on Sir Geoffrey Jefferson, F.R.S., Emeritus Professor of Neurosurgery in the University of Manchester.

The following degrees were also conferred on July 16:

M.D.—F. H. Kemp (with honours), J. C. Haworth.

Ch.M.—F. Ashton (*in absentia*).

Ph.D.—*In the Faculty of Medicine*: J. D. Cumming, M.B., Ch.B. M.B.—J. Herbe: (with second-class honours). O. A. Adenubi, K. Arthur, Helen S. Atkin, T. C. Barker, D. M. Batty, M. Baum, Pauline J. Begley, M. C. C. Bird, I. A. O. D. Brodie, Elaine K. Broom, <sup>2</sup> <sup>3</sup> M. J. Chamberlain, <sup>4</sup> B. Chance, P. J. Collis, P. J. Connop, M. J. Critchley, R. Cruthers, M. H. Daly, Gladys E. Dixon, P. M. Ellis, <sup>1</sup> E. F. Evans, Anne S. Fawkes, T. J. Fidler, T. R. Fisher, Marion Gillett, D. Gompertz, J. M. Goodburn, Gloria A. Griffiths, J. D. Hamer, Rosemary E. Harris, A. R. W. Harriss, L. P. Harvey, C. J. Hazledine, M. Hedden, Rosemary E. Heron,

J. A. Hickman, <sup>5</sup>B. D. Hill, M. K. Howard, R. C. Hughes, J. Hurst, <sup>1</sup>Brenda James, Cecily A. Jenkins, <sup>6</sup>S. A. P. Jenkins, J. M. Kay, M. J. Kestle, E. J. Knight, Jadwiga E. M. Krzysztoporska, Elisabeth D. McGuinness, R. McMurdo, J. Morley, R. D. Mumford, C. G. F. Munton, R. J. Oakley, V. B. Odunlami, D. Oldroyd, J. L. Pearsall, J. H. W. Pexman, P. H. W. Rayner, <sup>2</sup>D. Riddoch, A. G. Ringer, Theresa O. Scanlan, <sup>1</sup>C. J. Smallwood, Patricia A. M. Smith, B. Stone, J. R. Storer, Elizabeth A. Stubbs, Beryl O. D. Taylor-Lewis, J. F. Thompson, Christine C. Tong, P. J. Tovey, <sup>5</sup>B. A. Wharton, P. J. Wheelodon, Pauline Whitfield, B. Wilson, A. Worrall. (The degree of Ch.B. was conferred *in absentia* by special warrant on June 20, 1960, on all the above, who now receive the degree of M.B. Dr. J. Herbert being awarded honours).

<sup>1</sup>Distinction in surgery. <sup>2</sup>Distinction in obstetrics and gynaecology. <sup>3</sup>Distinction in forensic medicine and toxicology. <sup>4</sup>Distinction in pharmacology and therapeutics. <sup>5</sup>Distinction in paediatrics and child health. <sup>6</sup>Distinction in social medicine.

### ROYAL COLLEGE OF SURGEONS OF ENGLAND

At a meeting of the Council of the College held on October 13, with Sir Arthur Porritt, President, in the chair, Professor Erling Dahl-Iversen, of Copenhagen, and Professor Jan F. Nuboer, of Utrecht, were elected Honorary Fellows of the College.

A resolution of condolence was passed on the death of Sir Gordon Gordon-Taylor.

Professor L. N. Pyrah was admitted to the Council, and Professor B. Cohen as Nuffield Research Professor of Dental Science.

The Hancock Prize was presented to Dr. Sonia G. Bolton, of King's College Hospital; and A. S. Coulson, of Hendon Grammar School and Queen's College, Cambridge, was admitted as the twenty-ninth Macloghlin Scholar.

Diplomas of Fellowship were granted to S. M. Cameron and Prakash Narain Tandon, and diplomas of Membership to P. B. Evans, M. T. Jones, and K. Kyei-Mensah.

Diplomas of Fellowship in the Faculty of Anaesthetists were granted to the following successful candidates:

D. Wakely, B. R. Whittard, D. S. Hutton, C. Bishop, D. C. Jackson, J. E. S. Relton, D. W. Atherley, G. J. Taylor, B. R. P. Murray, J. E. Utting, Zbigniewa A. Jordan-Sikorska, A. Maciejewski, L. J. F. X. Dunkin, A. S. McC. Lamont, J. Cox, P. B. D'Souza, Maureen E. Hardeman, K. G. Smith, R. P. Badola, M. E. H. Barrow, T. H. Howells, S. W. McGowan, C. Ward, S. J. S. Webb, Ming-Hon Yeung, J. Baldasera, F. E. Bennetts, R. A. Browne, G. H. Bush, E. R. J. Emery, Ruth Hutchinson, T. N. Munro, I. S. Paterson, H. G. Pledger, J. W. Sandison, J. P. Alexander, N. H. Doctor, Sylvia L. S. Hui, J. D. Kinnell, R. N. Lewis, W. T. McNeil, D. S. Robbie, G. T. Spencer, J. G. Whitam, A. D. Crew, D. G. Larard, Audrey M. Peeling.

The following diplomas were granted, jointly with the Royal College of Physicians of London:

DIPLOMA IN LARYNGOLOGY AND OTOLGY.—G. Chattopadhyay.

DIPLOMA IN CHILD HEALTH.—J. E. J. Aiyathurai, W. W. Akroyd, Shahida I. Ali, I. Sha'Aibu Audu, S. J. Azzopardi, B. K. Basu, G. Beaumont, Felicity M. Bedford, K. S. R. Bedi, K. H. Belbaumkar, D. Bevan, M. D. Billington, M. S. H. Bokhari, N. R. M. Buist, G. W. Chance, T. L. Conradie, P. R. Dange, A. J. Dell, H. R. de Souza, B. L. Dodson, G. J. Ebrahim, Sundari Ebrahim, Davina C. Embleton, Eileen Evans, A. C. Fairburn, S. G. A. Forsyth, Valentine I. French, A. W. Galbraith, P. C. Garg, L. L. Ghelani, K. D. Gill, B. Li. Griffiths, J. Grover, Indira Gupta, V. C. Harrison, W. Hazeldine, H. J. Houston, Y. E. Hsia, E. H. Innes, Kunjamma Itty, J. Jacobson, Patricia H. M. Jones, A. Ketusingha, D. Laha, P. Lanzkowsky, Stephen Leung Wing Chiu, A. R. Levin, S. R. McKay, S. Madhava Rau, H. J. Marrable, Anila Mehta, R. E. Midwinter, Janette Millar, J. D. Miller, D. J. Moorhouse, P. Morris, Y. Motala, H. Mumtaz Husain, M. F. Nasser, A. D. Noble, L. A. Nouri, Bridget O'Connell, Marjory E. Plumb, Elizabeth J. Porter, R. Prasad, Sheila G. Quain, Venkata S. Rajagopalan, A. Ramasubramanian, Susan E. M. Richards, A. P. Roberts, J. Roy, A. K. Sain, J. V. Sawdy, Theresa Sebestyen, R. N. Sen, Don C. B. Senaratne, Saida Siddiqi, D. J. Sills, P. H. Sive, G. J. A. I. Snoderass, S. D. Stephen, S. R. Suxena, Dinar Talati, P. K. Talukdar, E. V. Tetteh-Lartey, Patricia M. S. Vaughan, P. L. Verma, Cecilia C. Ward, Gillian M. Watkins, H. A. D. Weerasooriya, R. E. Wild, J. H. Williams, G. B. Winter, Julia M. Winter, H. O. Wooller, Ma Sein Yee, Janet C. J. Young, Ka Man Carmen Yuen, Z. H. Zaidi.

DIPLOMA IN OPHTHALMOLOGY.—G. N. Ahmed, S. P. Amols, J. D. C. Anderson, J. L. Banik, J. H. Cameron, J. S. Cant, A. J. Chadwick, D. K. Chaudhari, V. M. Deval, W. N. Dugmore, F. X. Fernandez, D. P. Gale, W. G. Gaston, N. Gibbons, Florence C. Gordon, Melody J. Grice, R. M. Halley, R. H. S. Hellein, T. Hoole, Y. Husain, B. H. Irani, S. N. Kalita, J. H. Kelsey, J. B. Keshiker, B. R. Kesby, T. Kohli, P. J. Kriel, R. Levy, W. C. Logan, J. D. C. Macdiarmid, M. B. R. Mathalone, M. B. Mehri, J. H. Rieckard, I. R. Robertson, B. R. Sinha, E. J. Sinton, A. A. Syed, T. A. J. Thorp, Luke Shu-Ling Tsai, S. Velauthan, R. Wiss, M. Yaqin.

DIPLOMA IN PHYSICAL MEDICINE.—G. M. Cochrane, Joan M. Evans, Shona Hodgson, E. A. Kauffmann, Don R. D. B. Kulatunga, D. Y. Mackenzie, D. A. H. Yates.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE.—D. Barchi, J. S. Bailey, H. Baquir, J. D. Barrett, P. A. Baumann, K. A. Beahan, F. E. P. Bernard, E. G. A. Berncz, J. H. Bradshaw-Smith, K. R. Dalley, M. H. Davies, F. L. Dunn, W. R. O. Eggington, W. O'C. FitzPatrick, M. A. Gaffar, F. C. Grant, J. Grant, Md. Nasirul Haque, A. J. M. Harercaves, J. A. Hashmi, Heini M. Hintsanen, M. Houmoller-Jorgensen, R. A. Iles, F. Jatoi, Ursula Jehles, H. N. Khan, A. A. Khalaf, S. C. Kundu, J. W. G. McDougall, W. P. MacLay, V. M. Jogekar, N. MacLean, D. McSwigean, Narges Mahaluxmiyala, M. A. Marghoob, W. C. Moffat, J. G. Moran, S. K. Mukherjee, L. Mullins, Amarut Na Sonckhla, Y. P. Narula, N. W. Nicholson, H. Noorparvar, J. W. Norris, P. L. Pearson, N. C. Pegu, M. H. Rahman, R. J. Read, M. A. Rozalla, Saif-ul-Haque, A. J. Salter, R. R. Schenck, Md. Maswood Alam Shams, S. Sharan, G. G. Sineh, B. B. Sinha, G. L. Smith, P. J. Stevens, A. W. Swieckicki, I. Tabibzadeh, S. B. Telford, W. Wagstaff, J. G. Winwick.

DIPLOMA IN INDUSTRIAL HEALTH.—A. K. Sen, Than Myint.

DIPLOMA IN MEDICAL RADIODIAGNOSIS.—G. I. Verney.

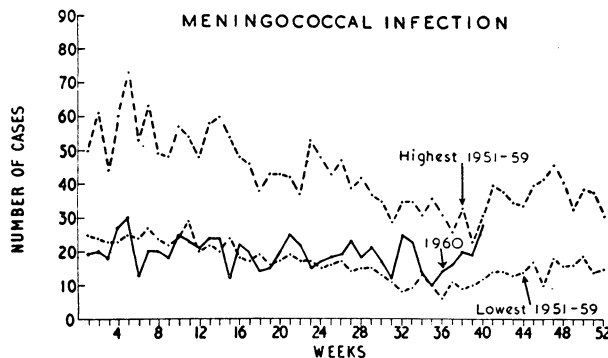
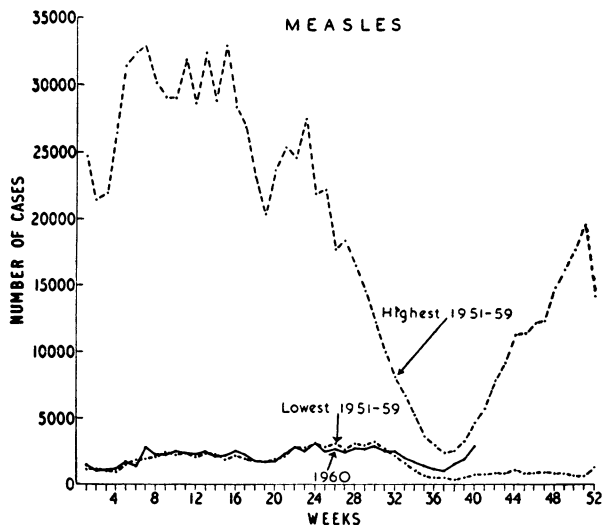
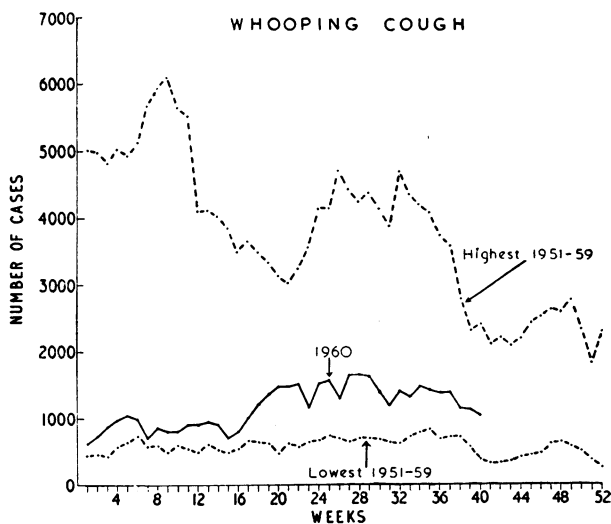
DIPLOMA IN PSYCHOLOGICAL MEDICINE.—G. F. Burke, A. McQuaid.

DIPLOMA IN ANAESTHETICS.—C. K. Davies.

## Vital Statistics

### Graphs of Infectious Diseases

The graphs below show the uncorrected numbers of cases of certain diseases notified weekly in England and Wales. Highest and lowest figures reported in each week during the years 1951-9 are shown thus -----, the figures for 1960 thus ————. Except for the curves showing notifications in 1960, the graphs were prepared at the Department of Medical Statistics and Epidemiology, London School of Hygiene and Tropical Medicine.



## SOCIETIES AND LECTURES

A fee is charged or a ticket is required for attending lectures marked ●. Application should be made first to the institution concerned.

## Monday, October 31

●INSTITUTE OF OBSTETRICS AND GYNAECOLOGY.—At Queen Charlotte's Hospital, 4.30 p.m., Mr. G. W. Garland: Antenatal Supervision. POSTGRADUATE MEDICAL SCHOOL.—4 p.m., Dr. W. Sircus: Practical Application of Gastric Secretion Studies. ST. ANDREWS UNIVERSITY.—At Demonstration Room, Department of Medicine, 4 p.m., Dr. J. S. S. Stewart: Surgical Aspects of Genetics.

## Tuesday, November 1

BRITISH POSTGRADUATE MEDICAL FEDERATION.—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Professor M. Stoker: Latent Virus Infections. INSTITUTE OF DERMATOLOGY.—5.30 p.m., Dr. A. D. Porter: Keratinization, Normal and Abnormal. LEEDS NEUROLOGICAL SCIENCES COLLOQUIUM, 1960.—At Littlewood Hall, General Infirmary at Leeds, 5.15 p.m., Dr. W. Ritchie Russell: Neurological Aspects of Memory. LONDON UNIVERSITY.—At Middlesex Hospital Medical School, 5.15 p.m., special university lecture in physiology by Professor Hans Schaefer (Heidelberg): Principles of Circulatory Regulation. ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Arris and Gale Lecture by Mr. N. H. Porter: Physiological Study of the Pelvic Floor Muscles in Rectal Prolapse. ST. MARY'S HOSPITAL MEDICAL SCHOOL.—At Lecture Theatre, Wright-Fleming Institute, 5 p.m., Dr. Elliot Philipp: Antepartum Haemorrhage. WEST END HOSPITAL FOR NEUROLOGY AND NEUROSURGERY.—5.30 p.m., Dr. H. C. Grant: Chronic Meningitis.

## Wednesday, November 2

ASSURANCE MEDICAL SOCIETY.—At Medical Society of London, 5 p.m., Mr. R. E. Beard, F.I.A.: Some Thoughts on Mortality, Morbidity, and Medical Underwriting. BIRMINGHAM MEDICAL INSTITUTE: MIDLAND MEDICAL SOCIETY SECTION.—At 36 Harborne Road, Edgbaston, 8.30 p.m., joint meeting with Midland Counties Veterinary Association. Dr. J. D. Rankin and Dr. K. B. Rogers: Diseases of Animals Communicable to Man. INSTITUTE OF DERMATOLOGY.—5.30 p.m., Dr. A. Tickner: Biochemistry of Pigmentation. INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Dr. W. D. W. Brooks: Spontaneous Pneumothorax. INSTITUTE OF UROLOGY.—4.30 for 5 p.m., Mr. J. D. Fergusson: Cancer of the Prostate. ●LEEDS UNIVERSITY.—At General Infirmary at Leeds, (1) 5 p.m., Mr. D. W. Currie: Cancer of the Female Genital Tract. (2) 6 p.m., Mr. H. Agar: General Surgical Problems in Gynaecology. LONDON AMATEUR BOXING ASSOCIATION.—At British Railways Film Unit, Savile Row, W., 8 p.m., meeting of Medical Advisory Panel, London A.B.A., Dr. J. L. Blonstein: Olympic Games in Retrospect. LONDON UNIVERSITY.—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Heath Clark Lecture by Dr. Charles Wilcocks: Aspects of Medical Investigation in Africa—Tuberculosis. MANCHESTER MEDICAL SOCIETY: SECTION OF MEDICINE.—At Large Anatomy Theatre, Medical School, Manchester University, 4 for 4.30 p.m., Dr. C. J. Hodson: Radiological Observations on the Natural History of Chronic Pyelonephritis. POSTGRADUATE MEDICAL SCHOOL.—2 p.m., Professor R. H. S. Thompson: Biochemistry of Multiple Sclerosis. ROYAL COLLEGE OF SURGEONS OF ENGLAND.—5 p.m., Erasmus Wilson Demonstration by Dr. J. B. Etnucknap: Coronary Thrombosis and Other Forms of Ischaemic Heart Disease. ROYAL FREE HOSPITAL, Gray's Inn Road, W.C.—5.15 p.m., special lecture by Dr. F. J. W. Miller: Thousand Families Survey. ROYAL INSTITUTE OF PUBLIC HEALTH AND HYGIENE.—3.30 p.m., Mr. F. Ward: Flammability of Textile. ST. ANDREWS UNIVERSITY.—At Demonstration Room, Department of Medicine, 2.30 p.m., Dr. W. W. Park: Embolism Within the Pulmonary Circulation.

## Thursday, November 3

BRITISH POSTGRADUATE MEDICAL FEDERATION.—At London School of Hygiene and Tropical Medicine, 5.30 p.m., Dr. K. M. Rudall: Regular Folds in Protein and Polysaccharide Chains. HONYMAN GILLESPIE LECTURES.—At Anatomy Theatre, University New Buildings, Teviot Place, Edinburgh, 5 p.m., Professor J. H. Kellgren: Osteoarthritis in Patients and Populations. INSTITUTE OF PSYCHIATRY.—5.30 p.m., Dr. Catherine Hebb: Intracellular Structures and Transmitter Substances in the Nervous System. LIVERPOOL MEDICAL INSTITUTION.—Florence Blair-Bell Memorial Lecture by Mr. Ronald W. Raven. LONDON UNIVERSITY.—(1) At Royal Society of Medicine, 5 p.m., Semon Lecture by Professor Paul H. Holinger (Illinois): Clinical Aspects of Congenital Anomalies of the Larynx, Trachea, Bronchi, and Oesophagus. (2) At Middlesex Hospital Medical School, 5.15 p.m., special university lecture in physiology by Professor Hans Schaefer (Heidelberg): Theory and Interpretation of the Electrocardiogram. (3) At London School of Hygiene and Tropical Medicine 5.30 p.m., Heath Clark Lecture by Dr. Charles Wilcocks: Aspects of Medical Investigation in Africa—Schistosomiasis. NORTH-WESTERN THORACIC SOCIETY.—At Aintree Hospital, Liverpool, 5 p.m., Dr. J. Howell: Physiological Aspects of CO<sub>2</sub> Retention; Dr. C. Ogilvie: Clinical Aspects of CO<sub>2</sub> Retention. NUFFIELD ORTHOPAEDIC CENTRE.—At Winfield-Morris Orthopaedic Hospital, Oxford, 8.30 p.m., Mr. H. V. Crock: Experiments on Spinal Fusion in the Dog. ROYAL COLLEGE OF PHYSICIANS OF LONDON.—5 p.m., Bradshaw Lecture by Dr. W. I. Card: Concept of Gastric Secretory Cell Mass. ST. GEORGE'S HOSPITAL MEDICAL SCHOOL.—5 p.m., Dr. M. A. Partridge: postgraduate demonstration in psychiatry.

## Friday, November 4

●INSTITUTE OF DERMATOLOGY.—5.30 p.m., Dr. S. C. Gold: clinical demonstration. INSTITUTE OF DISEASES OF THE CHEST.—5 p.m., Mr. D. Barlow: clinical demonstration.

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY.—(1) 12 noon, Dr. Paul Holinger (Chicago): Endoscopy in Otolaryngic Pathology (2) 3.30 p.m., clinical discussion for general practitioners. Dr. I. Friedmann: Advances in Chemotherapy.

●INSTITUTE OF OBSTETRICS AND GYNAECOLOGY.—At Chelsea Hospital for Women, 3 p.m., Professor E. C. Amoroso: Endocrinology of Pregnancy. MEDICAL ELECTRONICS DISCUSSION GROUP.—At Institution of Electrical Engineers, Savoy Place, London, W.C., 5.30 for 6 p.m., discussion to be opened by Dr. A. Spencer Paterson and Mr. W. H. Stanton: Electroconvulsive Therapy.

PLYMOUTH MEDICAL SOCIETY.—At North Friary House, 8.30 p.m., Mr. G. L. Alexander: Danger Signs in Cases of Head Injury.

POSTGRADUATE MEDICAL SCHOOL.—(1) 10 a.m., Mr. K. C. McKeown: Gastrectomy in Peptic Ulcer. (2) 4 p.m., Dr. B. E. C. Nordin: Osteomalacia and Osteoporosis.

ST. ANDREWS UNIVERSITY.—At Demonstration Room, Department of Medicine, 4 p.m., Dr. G. P. T. Barclay: Recent Studies of the Myocardium.

## Sunday, November 6

UNIVERSITY COLLEGE HOSPITAL.—10.15 a.m., meet in Front Hall of main Hospital. Lecture demonstration for general practitioner, Professor A. S. Prophet, D.D.S., Dip.Bact., F.D.S.R.C.S.: Dental Emergencies in General Practice.

## APPOINTMENTS

EAST ANGLIAN REGIONAL HOSPITAL BOARD.—S. J. Raverty, L.R.C.P.&S.I., L.M., Registrar in Psychiatry, Suffolk Mental Hospitals; G. A. Chaudhary, M.B., B.S., Registrar in Geriatrics, West Suffolk Hospital Group; R. G. Huntsman, M.B., B.Chir., M.R.C.P., Consultant Pathologist, Peterborough, Wisbech and King's Lynn Areas; S. K. Kapur, M.B., B.S., D.T.M.&H., Medical Registrar, Papworth Hospital; R. G. B. Turner, M.B., Ch.B., Registrar in Plastic Surgery, Regional Burns and Plastic Surgery Unit, West Norwich Hospital.

SOUTH-WESTERN REGIONAL HOSPITAL BOARD.—D. F. Gibbs, M.B., Ch.B., M.R.C.P.Ed., Assistant Geriatrician (S.H.M.O.) to Devon and Exeter Clinical Area; G. Vine Cole, M.R.C.S., L.R.C.P., D.O., Ophthalmologist (S.H.M.O.) to Plymouth Clinical Area; B. Philpott, M.B., B.S., D.A., Anaesthetic Registrar, Frenchay Hospital, Bristol; C. P. Gyaw, M.B., B.S., D.A., Anaesthetic Registrar, H. A. McClelland, M.B., B.S., D.C.H., D.Obst.R.C.O.G., Medical Registrar, and N. L. Browne, M.B., B.S., F.R.C.S., Surgical Registrar, all to Southmead Hospital, Bristol; J. E. Trapnell, M.B., B.Chir., Surgical Registrar, Cosham-Frenchay Group of Hospitals, Bristol; J. R. Burgess, M.R.C.S., L.R.C.P., and R. A. Flood, M.B., Ch.B., D.P.M. (reappointed), Registrars in Psychiatry, Bristol Mental Group of Hospitals; J. C. Anderson, M.Ch.Orth., F.R.C.S.Ed., Senior Registrar in Orthopaedic and Traumatic Surgery, S. K. H. Zaidi, M.B., B.S., Anaesthetic Registrar, and J. W. Crawford, M.B., Ch.B., D.Obst. R.C.O.G., Registrar in Obstetrics and Gynaecology, all to the Bath Group of Hospitals; W. H. Cadzow, M.B., B.S., Surgical Registrar, and M. F. Holding, M.B., B.Ch., D.Obst.R.C.O.G., Medical Registrar, both to Gloucestershire Royal Hospital, Gloucester; P. C. Foley, M.B., B.Ch., Medical Registrar, Cheltenham General Hospital; S. T. Whitehead, M.B., Ch.B., Surgical Registrar, Torbay/Newton Abbot Hospitals; W. F. W. Southwood, M.Chir., F.R.C.S., Senior Surgical Registrar, and Gillian A. Jefferies, M.B., B.S., D.A., Anaesthetic Registrar, both to Royal Devon and Exeter Hospital; J. F. Cam, M.B., B.S., Anaesthetic Registrar, and J. P. Coultis, M.B., Ch.B., F.R.C.S., Surgical Registrar, both to South Devon and East Cornwall Hospital, Plymouth; M. C. Moss, M.B., B.S., D.P.M., Senior Registrar in Psychiatry, Moorhaven Hospital, Plymouth; I. F. Anderson, M.B., B.S., Registrar in Obstetrics and Gynaecology, Camborne-Redruth Hospital, Cornwall.

## BIRTHS, MARRIAGES, AND DEATHS

## BIRTHS

Armatage.—On September 21, 1960, at the Norfolk and Norwich Hospital, to Dr. and Mrs. Robin Armatage, of Sheringwood, Loddon, Norfolk, a daughter—Susan Elizabeth.

Roe.—On Monday October 10, 1960, at Edgware General Hospital, Edgware, Middx., to Kathleen, wife of Dr. Peter Watney Roe, a daughter—Catherine Margaret.

## MARRIAGES

Bagnall—Tucker.—On September 22, 1960, at Broadwater Parish Church, Worthing, Sussex, Kenneth Winfield Bagnall, D.Sc., F.R.I.C., to Joyce Ferry Tucker, M.D., M.R.C.P., D.C.H.

## DEATHS

Aberdein.—On September 29, 1960, Alexander Aberdein, M.B., Ch.B., of Overwoods, Little Aston Park, Sutton Coldfield.

Brown.—On October 3, 1960, John Clifford Brown, M.R.C.S., L.R.C.P., Surgeon Captain, R.N., retired, of Exmouth, Devon.

Cimbelmann.—On September 29, 1960, in St. Bartholomew's Hospital, London E.C., Benjamin Cimbelmann, M.D., of 7 Garson House, Gloucester Terrace, London W., aged 59.

Davies.—On October 2, 1960, at Withybush Hospital, Haverfordwest, Pembro, Rowland Selby Gwyn Davies, M.B., Ch.B., of Trecwn, Pembro, and Treforfan, Fishguard, Pembro, aged 39.

Evans.—On October 4, 1960, in hospital, William Burnett Evans, T.D., M.D., of Milford Haven, Pembro, aged 53.

Johnson.—On October 5, 1960, at Wooler, Northumberland, John Tyrer Johnson, D.S.O., M.D., D.P.H., Colonel, R.A.M.C., retired.

Lee.—On September 29, 1960, at his home, 36 York Street, Sandy Bay, Hobart, Tasmania, Harrie Bertie Lee, D.S.O., M.C., M.B., B.S., D.T.M.&H., formerly of Medical Service, Nigeria, aged 72.

Lees.—On October 3, 1960, in a nursing-home, Worthing, Sussex, Bernard Hall Lees, M.B., B.Ch., aged 92.

MacKay.—On September 30, 1960, Rachel Brodie MacKay, M.D., of 4 Coates Place, Edinburgh.

Roberts.—On September 27, 1960, John William Nelson Roberts, L.R.C.P.&S.Ed., L.R.F.P.S., of Talarvor, Criccieth, Caern.

Somerret.—On October 5, 1960, at his home, Oakfield, Crofts Bank Road, Urmoston, Lancs, Robert Masters Somerset, M.R.C.S., L.R.C.P.

Tate.—On October 5, 1960, at 370 Ormeau Road, Belfast, James Tate, M.B., B.Ch., M.R.C.P., D.P.H.