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FEBRUARY

1957

EDITORIAL

THE POST-OPERATIVE MANAGEMENT, INCLUDING THE MANAGEMENT OF SOME
OF THE COMMON COMPLICATIONS, OF PARTIAL GASTRECTOMY

O. E. Owen, M.B., F.R.C.S.

ARTIFICIAL URINARY BLADDERS—THE PRESENT POSITION

David Annis, Ch.M., F.R.C.S.Eng.

DIABETES MELLITUS AND ADDISON'S DISEASE—A DISCUSSION WITH REPORTS
OF TWO NEW CASES

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FUNCTIONAL AND CLINICAL IMPLICATIONS OF THE VASCULAR ANATOMY OF
NERVES

Michael J. Blunt, M.B., B.S.

A STUDY OF THE BODY WEIGHT IN ANOREXIA NERVOSA

R. W. Emanuel, M.A., D.M., M.R.C.P.

INTRA-ALIMENTARY DRIP FEEDING FOLLOWING PARTIAL GASTRECTOMY

Maurice Lee, M.B., B.S., F.R.C.S.

BOOKS RECEIVED

BOOK REVIEWS

MANUFACTURERS' NOTES

POSTGRADUATE NEWS

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carried out, the stoma becomes temporarily oedematous and swollen, so causing some retention of stomach contents behind it. The small feed tube going through the anastomosis safeguards against this temporary blockage.

Finally, electrolytes and potassium replacement are given from the commencement, to ensure against any deficiency of these which might lead to ileus.

It has been found that as much as 6 pints of fluid can be absorbed from the intestine in 24 hours by the use of an intra-alimentary drip. Usually, however, the amount of fluid administered is in the neighbourhood of 4 pints. That this fluid is absorbed is shown by the estimations which were carried out on the blood sodium, potassium and chlorides, both prior to operation and in the immediate post-operative period when the drip was being given into the intestine. The pre- and post-operative readings were identical.

In the first gastrectomy in which the Twin-tube was tried only glucose saline was given into the intestine, and the writer was so impressed with the comfort of the patient, the lack of thirst and absence of any sign of dehydration, that it was decided to administer the mixture of Casilan in all subsequent gastrectomies, thus feeding the patient from the beginning with proteins, fluids and electrolytes into the intestine. There is no doubt whatsoever that this form of therapy has proved itself far superior to the intravenous method of therapy which is the usual practice.

Summary

Intra-alimentary drip feeding has been insti-

tuted as a routine in all cases of partial gastrectomy. Its advantages over intravenous therapy are:

1. There is no risk of overloading the body with fluids, the intestines being selective in the amount of fluids to be absorbed.

2. There is no risk of thrombo-phlebitis, and no escape of fluid through a needle slipping out of a vein.

3. Electrolytes, proteins and fluids are given by the natural route, and in addition protein loss following operation is immediately replaced.

4. The stoma of the stomach is safeguarded during the period when oedematous swelling may temporarily occlude it. This applies particularly to the Billroth I type of gastrectomy.

5. The intra-alimentary drip tube does away with the necessity of any tube being attached to the patient in the immediate post-operative period, other than the two-way tube, which replaces the usual Ryle's tube.

6. All gastric aspirations can be returned to the intestines by the feeding element of the tube. This is important to conserve essential electrolytes.

I am indebted to the many medical colleagues and sisters who so kindly co-operated with me in the series of cases which were performed at Upton Hospital, Slough.

The Two-way tube was made for me by the co-operation of Messrs. A. C. Daniels & Company Limited, of London, and I am indebted to them for all the help they have given me.

BIBLIOGRAPHY

- McDONALD, H. A. (1954), *Lancet*, May 15, p. 1007.
 WILKINSON, A. W. (1950), *et al.*, *Lancet*, i, 533.
 WILKINSON, A. W. (1949), *et al.*, *Lancet*, i, 640.

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 60 PORTLAND PLACE, LONDON, W.1

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Manufacturers' Notes continued from page 88.

the outside the entrant's nom-de-plume; these envelopes will not be opened until after judging has been completed.

Closing date for entries each year will be July 31. The first award will be made in 1957. Entries must be addressed to:— The Chairman of

the Awards Committee of Council, The College of General Practitioners, 54 Sloane Street, London, S.W.1. Prizewinners will be advised by post towards the end of October, and the results will be announced in the leading medical journals in November.

Books Received

The Editorial Board acknowledge with thanks receipt of the following volumes. A selection from these will be made for review.

'The Facts of Mental Health and Illness.' By K. R. Stallworthy, M.B., Ch.B., D.P.H. Pp. 215. Christchurch, New Zealand: N. M. Peryer Ltd. 1956. 18s. 6d.

'The Support of Medical Research.' Edited by Sir Harold Himsworth and J. F. Delafresnaye, C.I.O.M.S. Pp. xi + 170. Oxford: Blackwell Scientific Publications. 1956. 17s. 6d.

'Neurology and Psychiatry in Childhood.' Proceedings of the Association for Research in Nervous and Mental Disease. Vol. XXXIV. Pp. xii + 504, with 63 illustrations. London: Bailliere, Tindall & Cox Ltd. 1956. 88s.

'Gynecologic Cancer.' By J. A. Corscaden, Ph.B., M.D., 2nd Edition. Pp. ix + 546, with 115 illustrations. London: Bailliere, Tindall & Cox Ltd. 1956. 80s.

'Techniques and Procedures of Anaesthesia.' By John Adriani, M.D. 2nd Edition. Pp. xiv + 568, with 194 illustrations. Oxford: Blackwell Scientific Publications. 1956. 66s.

'Progress in Radiobiology.' Edited by J. S. Mitchell, B. E. Holmes and C. L. Smith. Pp. xli + 557, illustrated. Edinburgh: Oliver & Boyd. 1956. 63s.

'Postural Drainage.' By E. Winifred Thacker, M.C.S.P. Pp. viii + 56, with 37 illustrations. London: Lloyd-Luke Ltd. 1956.

'The Life of Hugh Owen Thomas.' By David Le Vay, M.S., F.R.C.S. Pp. vii + 135, illustrated. Edinburgh: E. & S. Livingstone Ltd. 1956. 25s.

'Anaesthetic Accidents.' By V. Keating, M.B., B.Ch., D.A., F.F.A.R.C.S. Pp. vi + 261, with 13 diagrams. London: Lloyd-Luke Ltd. 1956. 25s.

'The Christchurch Hospital Medical Manual.' Edited by C. T. Hand Newton, D.S.O., M.D., F.R.A.C.P., F.R.C.S. 4th Edition. Pp. 173. Christchurch, New Zealand: N. M. Peryer Ltd. 1956. 27s.

'The Medical Annual 1956.' Edited by Sir Henry Tidy, K.B.E., M.A., M.D., F.R.C.P., and R. Milnes Walker, M.S., F.R.C.S. Pp. xl + 548,

illustrated. Bristol: John Wright & Sons Ltd. 1956. 38s. 6d.

'Diseases of the Heart and Circulation.' By Paul Wood, O.B.E., M.D., F.R.C.P. 2nd Edition. Pp. xxxviii + 1005, with 513 illustrations. London: Eyre and Spottiswoode Ltd. 1956. £5.

'Cardiology.' By William Evans, M.D., D.Sc., F.R.C.P. 2nd Edition. Pp. ix + 574, with 569 illustrations. London: Butterworth & Co. Ltd. 1956. 92s. 6d.

'Practical Therapeutics (Acourrein).' By M. E. Rehfuss, M.D., F.A.C.P.m LL.D. (Hon.), and A. H. Price, A.B., M.D. 3rd Edition. Pp. xvii + 971, with 101 illustrations. London: Bailliere, Tindall & Cox Ltd. 1956. £6.

'Handbook of Poisons.' By Robert H. Dreisbach, M.D., Ph.D. Pp. 426. Los Altos: Lange Medical Publications. 1956. \$3.00.

'New Pathways in Cellular Pathology.' By G. R. Cameron, M.B., D.Sc., F.R.C.P., F.R.S. Pp. vii + 90, with 42 illustrations. London: Edward Arnold Ltd. 1956. 16s.

'Management of Life-Threatening Poliomyelitis.' Edited by H. C. A. Lassen, M.D. Pp. xi + 179, with 55 illustrations. Edinburgh: E. & S. Livingstone Ltd. 1956. 22s. 6d.

'Subarachnoid Haemorrhage.' By John N. Walton, M.D., M.R.C.P. Pp. xv + 350. Edinburgh: E. & S. Livingstone Ltd. 1956. 30s.

'Pott's Paraplegia.' By D. Ll. Griffith, H. J. Seddon, R. Roaf. Pp. xiv + 129, illustrated. London: Geoffrey Cumberlege, Oxford University Press. 1956. 50s.

'Modern Operative Surgery. Volume II.' Edited by the late G. Grey Turner, LL.D., D.Ch., M.S., F.R.C.S., F.R.C.S.E., F.R.A.C.S., F.A.C.S. and Lambert Charles Rogers, V.R.D., M.D., M.Sc., F.R.C.S., F.R.C.S.E., F.R.A.C.S., F.A.C.S. Pp. xii + 1383, with 1090 illustrations. London: Cassell & Co. Ltd. 1956. 75s.

'Report of the Medical Research Council for the Year 1954-55.' Pp. v + 286. London: H.M. Stationery Office. 1956. 10s.

'Fellowship Examination Papers 1951-56.' Royal College of Surgeons of Edinburgh. Pp. 58. Edinburgh: E. & S. Livingstone Ltd. 1956. 5s. 6d.

'Principles of Renal Physiology.' By Homer W. Smith, A.B., Sc.D., M.S.(Hon.) Pp. 237, with 29 illustrations. London: Oxford University Press. 1956. 40s.

'Modern Views on the Secretion of Urine. The Cushney Memorial Lectures.' Edited by F. R. Winton, M.A., M.D., D.Sc. Pp. 292, with 10 illustrations. London: J. & A. Churchill Ltd. 1956. 30s.

'Borderlands of the Normal and Early Pathologic in Skeletal Roentgenology.' By Prof. Dr. Alban Kohler, completely revised by Dozent Dr. E. A. Zimmer. English translation edited by J. J. Case, M.D., D.M.R.E. Pp. xiv + 723, with 1300 illustrations. London: Grune & Stratton Inc. 1956. \$24.50.

'Developments in the Rorschach Technique. Volume II.' Edited by Bruno Klopfer. Pp. 828. London: George G. Harrap & Co. Ltd. 1956. 50s.

'Ciba Foundation Symposium. Bone Structure and Metabolism.' Edited by G. E. W. Wolstenholme, O.B.E., M.A., M.B., B.Ch., and Cecilia M. O'Connor, B.Sc. Pp. xi + 299, illustrated. London: J. & A. Churchill Ltd. 1956. 45s.

'A Text-Book of Mental Deficiency.' By R. F. Tredgold, M.D., D.P.H., and K. Soddy, M.D., D.P.H. 9th Edition. Pp. xv + 480, illustrated. London: Bailliere, Tindall & Cox Ltd. 1956. 40s.

'Cardiac Pressures and Pulses.' By Aldo A. Luisada, M.D., and Chi Kong Liu, M.D. Pp. vii + 116. London: Grune & Stratton Inc. 1956. \$6.00.

'Minimal Pulmonary Tuberculosis found by Mass Radiography (Fluorography).' By V. H. Springett, M.D., M.R.C.P. Pp. xiv + 233, with 63 illustrations. London: H. K. Lewis & Co. Ltd. 1956. £2 2s.

'Chemosurgery in Cancer, Gangrene and Infections.' By F. E. Mohs, B.Sc., M.D. Pp. xvii + 305, with 25 illustrations. Oxford: Blackwell Scientific Publications. 1956. £5 2s. 6d.

'An Atlas of Diseases of the Eye.' By E. S. Perkins, M.B., F.R.C.S., and P. Hansell, M.R.C.S., F.R.P.S. Pp. ix + 91. London: J. & A. Churchill Ltd. 1956. 42s.

'Women of Forty.' By M. E. Landau, M.D., F.R.C.S. Pp. 49. London: Faber & Faber. 1956. 5s.

'Human Ovulation and Fertility.' By E. J. Farris, Ph.D. Pp. xiii + 159. London: Pitman Medical Publishing Co. Ltd. 1956. 50s.

'Soranus' Gynecology.' Translated by Owsei Temkin, M.D. Pp. xlix + 258. London: Geoffrey Cumberlege, Oxford University Press. 1956. 40s.

'Operative Surgery.' Edited by Charles Rob, M.C., M.Chir., F.R.C.S., and Rodney Smith, M.S., F.R.C.S. London: Butterworth & Co. 1956. Volume I. 'Introductory, Trauma, Abdomen (Part).' Pp. xviii + 342, illustrated. £5 10s. Volume II. 'Abdomen.' Pp. xii + 407, illustrated. £5 10s.

'Ciba Foundation Symposium on Paper Electrophoresis.' Edited by G. E. W. Wolstenholme, O.B.E., M.A., M.B., B.Chir., and Elaine C. P. Millar, A.H.-W.C., A.R.I.C. Pp. xii + 224, with 74 illustrations. London: J. & A. Churchill Ltd. 1956. 60s.

'Lymphatics, Lymph and Lymphoid Tissue.' By J. M. Yoffey, D.Sc., M.D., F.R.C.S., and F. C. Courtice, M.D., D.Phil., D.Sc. Pp. vii + 510, with 98 illustrations. London: Edward Arnold Ltd. 1956. 60s.

'The British Encyclopaedia of Medical Practice.' Edited by Sir Henry Cohen, M.D., D.Sc., LL.D., F.R.C.P., F.F.R. London: Butterworth & Co. 1956. Cumulative Supplement 1956. Pp. 217. 27s. 6d. Medical Progress 1956. Pp. xiv + 364. Index Pp. 14. 37s. 6d. Combined price 57s. 6d.

'Anatomy for Surgeons. Volume 2. The Thorax, Abdomen and Pelvis.' By W. H. Hollinshead, Ph.D. Pp. xiv + 934, with 678 figures. London: Cassell & Co. Ltd. 1956. £7 7s.

'Anatomical Techniques.' By D. H. Tompsett, B.Sc., Ph.D. Pp. xvi + 240, with 83 illustrations. Edinburgh: E. & S. Livingstone Ltd. 1956. 35s.

'Antibiotics Monograph No. 6. Terramycin (Oxytetracycline).' By M. M. Musselman, M.D. Pp. 144. London: Interscience Publishers Inc. 1956. \$4.00.

'An Outline of Bacteriology and Immunity.' By Ronald Hare, M.D. Pp. ix + 418, illustrated. London: Longmans, Green & Co. Ltd. 1956. 35s.

'Price's Textbook of the Practice of Medicine.' Edited by D. Hunter, M.D., F.R.C.P. 9th Edition. Pp. xiv + 1774. London: Geoffrey Cumberlege, Oxford University Press. 1956. 63s.

'Textbook of Physiology and Biochemistry.' By G. H. Bell, B.Sc., M.D., F.R.F.P.S.G., F.R.S.E., J. N. Davidson, M.D., D.Sch., F.R.F.P.S.G., F.R.S.E., and H. Scarborough, M.B., Ph.D., F.R.C.P.E., M.R.C.P. Pp. xii + 1068, illustrated. Edinburgh: E. & S. Livingstone Ltd. 1956. 60s.

Manufacturers' Notes

PACATAL

William R. Warner & Co. Ltd., announce that Pacatal Tablets containing 100 mg. are now available in addition to the 25 mg. tablets which have been offered since the first introduction of Pacatal.

In psychiatry, dosage levels up to 600 mg. daily are now sometimes employed and a larger tablet was clearly needed.

Pacatal tablets 100 mg. are available in bottles of 50 and 500.

STERISIL

William R. Warner & Co. Ltd., Power Road, London, W.4, announce the introduction of Sterisil. Sterisil vaginal gel is indicated in the treatment of vaginal infections and is active against all the common pathogenic organisms of the vagina, including *Trichomonas*, *Monilia* and *Haemophilus vaginalis*, the organism usually responsible for so-called 'non-specific' infections. It is odourless, non-staining and non-toxic.

Sterisil is available as a set containing a 1½-oz. tube of vaginal gel, sufficient for six treatments, together with six disposable applicators.

PHILIPS X-RAY STYLO-THERAPY APPARATUS

Philips Electrical Ltd. (Medical X-ray Division), have introduced an extremely compact, portable X-ray Stylo-Therapy apparatus which operates in the Grenz-ray range of 5-25 kV. and at very short target-skin distances.

Whilst it is expected that its main use will be in the treatment of eye conditions, the minute X-ray tube and shield—not much larger than a standard cigarette—opens up new possibilities for the X-ray treatment of hitherto inaccessible parts of the body.

Because of the low energy produced, the problem of protecting the operator from stray radiation is, it is claimed, virtually non-existent under normal conditions.

Further details are available from Medical X-ray Div., Philips Electrical Ltd., Century House, Shaftesbury Avenue, London, W.C.2.

£500 BENGER PRIZES FOR ORIGINAL OBSERVATIONS IN GENERAL PRACTICE

Annual prizes totalling £500 are being offered to general practitioners, anywhere in the world, for written reports on original observations in general practice. The prizes, established by Benger Laboratories Limited, will be known as the 'Benger Prizes for Original Observations in General Practice,' and will consist of three prizes each year of £250, £150 and £100 respectively.

Entries will be judged by the Awards Committee of the Council of the College of General Practitioners and the decisions of this Council will be final.

The object of the prizes is to publicize, for the benefit of all, any means of diagnosis or any mode of treatment discovered by a general practitioner and proved in his own experience to be valuable. No report of any condition capable of interfering with a man's capacity to do his daily work will be regarded as too trivial to be eligible for these prizes. More serious conditions are not excluded, but the judges will not regard one entry as having more merit than another merely because it deals with a graver malady.

Entries may be submitted as an essay, a report, or as a conventional medical paper, with or without illustrations, diagrams or tables. It is emphasized, however, that no merit will attach to any particular literary form, and the sole criterion will be the value of the observation as a contribution to general practice. Observations submitted must not have been published before, and they must not be generally known.

The prizes are limited to general practitioners actively engaged in general medical practice anywhere in the world, not necessarily members or associates of the College. Reports must be type-written and two copies submitted. Each entry must bear a *nom-de-plume* in the top right-hand corner of the first page, and in no circumstances must the entrant's name and address appear on any part of the manuscript. It must be accompanied by a sealed envelope containing the entrant's name and address; this envelope must bear plainly on

Continued on page 82.

POSTGRADUATE NEWS

February 1957

The information contained in this section is published by courtesy of the organizations concerned and no responsibility for any changes of detail or omissions can be accepted by the publishers. In all cases, applications for enrolment or further information should be made direct to the sponsors of the course.

FELLOWSHIP OF POSTGRADUATE MEDICINE

The following courses are planned but the dates and details are subject to alteration.

General Medicine (M.R.C.P.). February 4 to March 8. Daily 5.30 to 8.30 p.m. (Saturdays 2 to 4 p.m.). Whittington Hospital, Archway Wing. Limited. Fee £23. (No entries accepted until syllabus is published and circulated.)

Plastic Surgery (Weekend). February 16 and 17. All day Saturday and Sunday. Plastic Jaw Unit, Rooksdown House, Basingstoke. Limited. Fee £3 3s. od. (No entries accepted until syllabus is published and circulated.)

Proctology. February 18 to March 2. St. Mark's Hospital. All day. Limited. Fee £8 8s. od. (No entries accepted until syllabus is published and circulated.)

Obstetrics (D.Obst.R.C.O.G.). February 18 to 23. All day. West Middlesex Hospital. Limited. Fee £4 4s. od.

Surgery (F.R.C.S.), General and Genito-Urinary. February 25 to March 13. Mondays and Wednesdays at 5 p.m. Whittington Hospital, Archway Wing. Limited. Fee £5 5s. od. (No entries until syllabus is published and circulated.)

Infectious Diseases (M.R.C.P.). Weekend. March 2 and 3. All day Saturday and Sunday. Hither Green Hospital, London, S.E.13. Limited. Fee £3 3s. od.

General Surgery (F.R.C.S.). Weekend. March 2 and 3. All day Saturday and Sunday. Queen Mary's Hospital for the East End. Limited. Fee £3 3s. od.

Rheumatic Diseases. Weekend. March 9 and 10. All day Saturday and Sunday. Rheumatic Unit, St. Stephen's Hospital. Fee £3 3s. od.

General Surgery and Orthopaedics (F.R.C.S.). Saturdays, March 9 to May 4 (excluding April 20). 10 a.m. to 12.30 p.m. Fulham Hospital. Limited. Fee £8 8s. od. (No entries accepted until syllabus has been published and circulated.)

Children's Diseases (D.C.H.). March 4 to 16. Daily 5.30 p.m. Princess Louise Kensington Hospital. Limited. Fee £5 5s. od.

Orthopaedic (F.R.C.S.) Weekends. March 16-17, 30-31, and April 13-14. Rowley Bristow Orthopaedic Hospital, Pyrford. Limited. Fee £12 12s. od. (No entries accepted until syllabus has been published and circulated.)

Surgery Revision (F.R.C.S.). March 18 to April 12. Monday, Thursday and Friday mornings. Royal Marsden Hospital. Limited. Fee £15 15s. od. (No

entries accepted until syllabus has been published and circulated.)

Please note that instruction arranged by the Fellowship of Postgraduate Medicine is open only to members (annual subscription, from month of joining, 10s. 6d.). In the case of 'limited' courses no entries are accepted in advance of the detailed syllabuses being published and circulated; postgraduates (whether members or not) are not automatically included in the mailing lists, but must notify the Fellowship of Postgraduate Medicine, 60 Portland Place, London, W.1, if they wish to be sent syllabuses as published, and must specify the subjects in which they are interested. Information regarding courses can be obtained from the office daily between 10 a.m. and 5 p.m. (Mondays to Fridays). Telephone: Langham 4266.

ROYAL COLLEGE OF SURGEONS OF ENGLAND

The following lectures will be given at the College during February:

Erasmus Wilson Demonstration

5 3.45 p.m. *Dr. G. T. Allen.* Title to be announced.

Hunterian Oration

14 4 p.m. *Sir Ernest Finch.* Title to be announced.

Arnott Demonstration

19 3.45 p.m. *Dr. Frank Stansfield.* Title to be announced.

Arnott Demonstration

21 3.45 p.m. *Mr. B. E. Greenfield.* Title to be announced.

Hunterian Lecture

26 5 p.m. *Prof. D. F. E. Nash.* Congenital Spinal Palsy—the management of incontinence.

Otolaryngology Lecture

28 5.30 p.m. *Dr. D. B. Fry.* Speech and language.

The lectures are open to those attending courses in the College and also to all other Medical Practitioners, Dental Surgeons and advanced students.

The following courses will be held:

Basic Medical Sciences Course for Dental Students. January 1 to February 23, 1957.

Clinical Surgery. February 18 to April 12, 1957.

Clinical Conferences and Surgery Lectures. April 1 to 19, 1957.

Clinical Demonstrations and Lectures in Dental Surgery. April 29 to June 21, 1957.

Anaesthetic Course of Lectures and Tutorials. April 22 to May 10, 1957.

Pharmacology Course. May 13 to 24, 1957.

Application for further information should be made to Mr. W. F. Davis, Deputy Secretary, Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2.

SOCIETY OF APOTHECARIES OF LONDON

Diploma in Industrial Health (D.I.H.). The examinations are held in July and December each year. **Diploma of Mastery of Midwifery (M.M.S.A.).** The examinations are held in May and November each year. *For further information applications should be addressed to the Registrar, Society of Apothecaries, Black Friars Lane, London, E.C.4.*

DENTAL BOARD OF THE UNITED KINGDOM

The Dental Postgraduate Bureau has issued three booklets, as follows:

'Facilities for Dental Postgraduate Study in the United Kingdom and Ireland,' containing a list of schools and institutions at which postgraduate courses are held or which provide facilities for individual students, and an alphabetical list of subjects showing where instruction in each can be obtained; 'Scholarships and Studentships for Advanced Studies and Research in Dentistry,' including many open to British subjects tenable abroad; 'Higher Dental Qualifications,' setting out in general terms the conditions to be satisfied by candidates.

Copies of these booklets, particulars of films of interest to dentists, and further information can be obtained on application to the Director, Dental Postgraduate Bureau, 44 Hallam Street, London, W.1.

BRITISH POSTGRADUATE MEDICAL FEDERATION (University of London)

The Federation provides:

- (1) Training for prospective specialists, supplementing the work of the undergraduate medical schools.
- (2) Advanced revision for practising specialists.
- (3) Instruction for medical practitioners who, though not specialists, desire more detailed knowledge of any branch of medicine.
- (4) Instruction for general practitioners.

Comprising the Federation at present are the Postgraduate Medical School of London, Institute of Cancer Research, Institute of Cardiology, Institute of Child Health, Institute of Dental Surgery, Institute of Diseases of the Chest, Institute of Laryngology and Otolaryngology, Institute of Neurology, Institute of Obstetrics and Gynaecology, Institute of Ophthalmology, Institute of Orthopaedics, Institute of Psychiatry; associated institutes are the Institute of Basic Medical Sciences, Institute of Dermatology and Institute of Urology. The following lectures on 'The scientific basis of medicine,' which are designed especially for research workers and specialists in training, will be delivered at the London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1, on Tuesdays and Thursdays at 5.30 p.m. Admission free, without ticket.

February

- 5 *Dr. N. B. Myant.* Biliary excretion of thyroid hormone.
- 7 *Dr. H. M. Sinclair.* Vitamins in nutrition.
- 12 *Mr. H. J. Seddon.* Recent work on paralytic poliomyelitis.
- 14 *Dr. W. J. Whelan.* The synthesis and degradation of polysaccharides.
- 19 *Dr. A. L. Greenbaum.* The control of fat metabolism.

February

- 21 *Dr. Honor B. Fell.* The physiology of skeletal tissue in culture.
- 26 *Prof. J. B. Duguid.* Arterial occlusion.
- 28 *Prof. H. Gruneberg.* The localization of inherited diseases in the body.

Courses for general practitioners will be held as follows:

Obstetrics and Gynaecology

February 25 to March 2. Institute of Obstetrics and Gynaecology, S.W.3.

Paediatrics

February 2 and 3. University College Hospital.

Applications for places on the above courses should be made to the Secretary, British Postgraduate Medical Federation, and should state if the application is or is not made under the scheme for N.H.S. practitioners.

All the courses are available to N.H.S. practitioners, for whom fees and allowances (travelling expenses, locum fees, etc.) are provided for courses equivalent to 22 half-day sessions in an academic year, subject to certain conditions. Grants are also payable in respect of assistant practitioners under certain conditions. Other practitioners may attend on payment of a fee of 10 guineas for two weeks, 5 guineas for one week or extended course of 11 sessions, 1½ guineas for a week-end course.

Applications for further information should be made to the Secretary, British Postgraduate Medical Federation, 18 Guilford Street, London, W.C.1.

POSTGRADUATE MEDICAL SCHOOL OF LONDON (Hammersmith Hospital)

The Postgraduate Medical School of London has University Departments in **Medicine, Surgery and Pathology.** The Department of Obstetrics and Gynaecology, together with Queen Charlotte's and the Chelsea Hospitals, now forms the Institute of Obstetrics and Gynaecology. The teaching in the clinical departments, which is of an advanced nature and based on ward work, is continuous and is supplemented by lectures during three ten-week sessions starting in January, April and October. Suitable students are encouraged to undertake research work. A course for the University Diploma in Clinical Pathology, lasting one year, is available for a limited number of selected students. This commences in October. The Department of Radiology of the Hospital provides courses for the Diplomas in Medical Radiology of the Conjoint Board. The fees vary from £3 for one week to £75 for a year.

Anaesthetics. The Department of Anaesthesia offers a course of instruction for the academic year beginning October 2, to a limited number of postgraduates wishing to specialize in anaesthesia. A comprehensive teaching programme has been established and the subjects covered include anatomy, pathology, pharmacology and physiology. In addition to systematic lectures in anaesthesia, medicine and surgery, clinical training is provided in the wards and operating theatres and special provision is made for the demonstration of techniques not in common use. Fee for the course, £75 plus £3 enrolment fee.

For further information application should be made to the Dean, Postgraduate Medical School of London, Ducane Road, London, W.12.

INSTITUTE OF BASIC MEDICAL SCIENCES (Royal College of Surgeons of England)

The Institute co-operates with other specialist Institutes of the Federation in providing facilities for practical

work and instruction in the basic medical sciences. Twice a year, beginning in February and September, there is a full demonstration and lecture course which is full-time and extends over a period of three months. In addition, there are two revision courses a year of lectures only, which take place at the same time as the other course. Applications for this course can be accepted up to six weeks before the course begins. Fees: Demonstrations and lectures, £63; lectures only, £36 15s. od. A two-months' course for Primary F.D.S. candidates is also held twice a year in January and June and the next course will begin on January 1, 1957. The course is full-time and the fee £31 10s. od.

For further information please apply to the Secretary, Institute of Basic and Medical Sciences, Royal College of Surgeons of England, Lincolns Inn Fields, London, W.C.2.

INSTITUTE OF CANCER RESEARCH (Royal Cancer Hospital)

Postgraduate lectures and courses of instruction are held in biophysics for students studying for the M.Sc. degree in Biophysics, and for students studying for a Diploma in Medical Radiotherapy.

Enquiries should be made to the Dean, Institute of Cancer Research, Royal Cancer Hospital, Fulham Road, London, S.W.3.

INSTITUTE OF CARDIOLOGY (National Heart Hospital)

Courses of instruction lasting 11 weeks are available for both full-time and part-time students; fees £26 5s. od. and £12 12s. od. respectively.

Special short courses lasting two weeks are held in February, June and November; fee £12 12s. od.

Enquiries, and applications for admission to courses, should be addressed to the Dean, Institute of Cardiology, 35 Wimpole Street, W.1.

INSTITUTE OF DISEASES OF THE CHEST (Brompton Hospital and the London Chest Hospital)

The Institute of Diseases of the Chest (Medical School of the Hospitals for Diseases of the Chest) is situated in the grounds of the Brompton Hospital, S.W.3.

Medical

Instruction in diseases of the chest including tuberculosis is conducted during three terms of ten weeks each year. It consists of clinical work in wards and out-patient departments, lectures and demonstrations. A whole-time programme is arranged for not more than 12 graduates each term, preferably those specializing in diseases of the chest. The lectures and demonstrations are so arranged that the subject of chest disease is covered during the two terms beginning in October and January. The lectures during the summer term are arranged as a general revision course. A larger number of graduates can be accepted for part-time study. If vacancies are available it may be possible to accept graduates for shorter periods of part-time study.

Surgical

A whole-time course in chest surgery is conducted during the terms beginning in October and January. It includes attendances at out-patient clinics, operating sessions, ward clinics, case demonstrations and lectures, and is held partly at the Brompton Hospital and partly at the London Chest Hospital.

Cardiology. A whole-time course in the surgical aspects of cardiology will be conducted during the three terms. This course is mainly of a practical nature,

consisting of out-patient attendances, ward rounds, and operating sessions with some lectures and tutorials. The course is held partly at the Brompton Hospital and partly at the London Chest Hospital.

Fees for whole-time course (Medical, Surgical or Cardiological) are £20 for one term and £35 for two terms, and for part-time courses £14 for one term or £6 for one month.

Radiology

Part-time instruction in radiology of the chest for trainee radiologists only is given each term. Fee £10 for one term.

Clinical demonstrations are given on Fridays at 5 p.m. Open lectures are given on Wednesdays at 5 p.m. during University Terms. Admission free.

For further general information application should be addressed to the Dean, Institute of Diseases of the Chest, Brompton Hospital, Fulham Road, S.W.3.

INSTITUTE OF CHILD HEALTH (Hospital for Sick Children, Queen Elizabeth Hospital for Children, Postgraduate Medical School)

The Institute of Child Health is associated with The Hospital for Sick Children, Great Ormond Street, the Postgraduate Medical School of London at Hammer-smith Hospital, and the Queen Elizabeth Hospital for Children. In its programme teaching on every aspect of child health is provided. Visits are arranged to the department for the new-born and premature infant at the Postgraduate Medical School of London, Hammer-smith Hospital, Maternity and Child Welfare Clinics, Nursery Schools, etc. The Institute provides tuition throughout the year in three terms of 12 weeks' duration each, beginning in January, May and September. Two or three guest lectures are given during the summer term by visiting paediatricians from abroad. The fees are 20 guineas for one term and 35 guineas for two terms.

Applications should be addressed to the Dean, Institute of Child Health, Hospital for Sick Children, Great Ormond Street, London, W.C.1.

INSTITUTE OF DENTAL SURGERY (Eastman Dental Hospital)

The Institute holds courses in orthodontics (full- and part-time, up to one year), and in periodontology, conservative dentistry, prosthetics, minor oral surgery and children's dentistry (variable length, full- and part-time). Refresher courses are arranged twice yearly for general practitioners. Courses are also held in conjunction with the Faculty of Dental Surgery of the Royal College of Surgeons and are particularly intended for candidates preparing for the final examination for the Fellowship in Dental Surgery of the College. These begin in May and November (lasting for approximately eight months), fee £60, and in May and October there are revision courses lasting eight weeks, fee £31 10s. od. Special arrangements can be made for students requiring courses of study and research experience not falling within the scope of the courses listed above.

For further information apply to the Dean, Institute of Dental Surgery, Eastman Dental Hospital, Gray's Inn Road, London, W.C.1.

INSTITUTE OF DERMATOLOGY (St. John's Hospital for Diseases of the Skin) Hospital Practice. This includes clinical instruction in the Out-Patient Department daily, in the In-Patient

Department twice weekly, tutorials in clinical dermatology and histopathology, attendance in the Department of Pathology and other Departments of the Hospital. Fees: Two guineas for one week; £25 for one year.

Laboratory. The facilities for students include technical work in histology, bacteriology and medical mycology.

Exhibitions. Semi-permanent exhibitions are available during the winter course. The fifth, February 5 to 25, by Dr. G. Weddel, will be on the Neurohistology of the integument and changes in Leprosy.

Museum. A collection of moulages is available. There is access to a large collection of histopathological sections.

Lectures. A winter course, extending over six months, begins in October and a summer course is held in May and June. Both these courses consist of lectures at 5.30 p.m. on Tuesdays, Wednesdays and Thursdays. Clinical demonstrations held on Fridays at 5.30 p.m. are designed for those intending to sit for the M.R.C.P. examination.

February

- 1 *Dr. H. J. Wallace.* Clinical demonstration.
- 5 *Dr. R. T. Brain.* Electrotherapeutic techniques.
- 6 *Dr. R. W. Riddell.* Laboratory procedures for mycotic infections.
- 8 *Dr. D. I. Williams.* Clinical demonstration.
- 12 *Dr. O. L. S. Scott.* Genodermatoses.
- 13 *Dr. H. Haber.* Clefts, vesicles and bullae.
- 14 *Dr. S. C. Gold.* Bullous eruptions.
- 15 *Dr. P. F. Borrie.* Clinical demonstration.
- 19 *Dr. G. B. Dowling.* Scleroderma and dermatomyositis.
- 20 *Dr. H. Haber.* Localized disease of the collagen.
- 22 *Dr. A. D. Porter.* Clinical demonstration.
- 26 *Mr. B. E. D. Cooke.* Disorder of buccal mucosa.
- 27 *Dr. I. A. Magnus.* The respiratory activity of the skin.
- 28 *Dr. H. Haber.* Cutaneous manifestations of syphilis.

March

- 1 *Dr. E. J. Moynahan.* Clinical demonstration.
- 5 *Mr. B. E. D. Cooke.* Disorder of buccal mucosa.
- 6 *Dr. R. W. Riddell.* Problems of therapy in fungus diseases.

Enquiries should be made to the Dean, Institute of Dermatology, St. John's Hospital for Diseases of the Skin, Lisle Street, Leicester Square, London, W.C.2.

INSTITUTE OF LARYNGOLOGY AND OTOTOLOGY

(Royal National Throat, Nose and Ear Hospital)

A comprehensive course lasting 36 weeks and designed to cover the whole field of the speciality is held twice a year beginning in February and August. This consists of lectures, demonstrations and attendance on the practice of the hospital, with facilities for dissection. A special point is made of the anatomy, physiology and pathology related to the subject. There is also an intensive lecture course of six weeks twice yearly in preparation for practical clinical training. An Advanced Revision Class (two weeks full time) for M.S. and F.R.C.S. students is also given twice yearly. A practical revision class for Part II D.L.O. students is held twice yearly. Week-end courses in endoscopy, in aural surgery, the deaf child and pathology are held twice yearly. The composite fee, including enrolment as a clinical assistant, attendance on the hospital practice and at one of the comprehensive courses, but excluding dissection, is £52 10s.

For further information application should be addressed to the Dean, Institute of Laryngology and Otology, 330 Gray's Inn Road, W.C.1.

INSTITUTE OF NEUROLOGY

(The National Hospital, Queen Square, and the Maida Vale Hospital for Nervous Diseases)

The teaching is mainly by attendance on the hospital practice. Some advanced students are appointed as full-time clinical clerks at the National Hospital, Queen Square, or to the electro-encephalographic or one of the other special departments, or to the research laboratories. A limited number of part-time clinical clerkships are available at the Maida Vale Hospital with opportunity for examining patients.

In addition two full-time courses of ten weeks' duration are given each year, namely in the autumn and spring terms. The first portion of each course deals with the anatomy and physiology of the nervous system, neuropathology and psychology, and consists mainly of lectures and demonstrations. The second portion deals with clinical neurology, medical and surgical, neuro-ophthalmology, neuro-otology and radiology, and includes lectures and demonstrations. Special lectures by neurologists from outside London and from abroad are held throughout these courses. Fees for the ten weeks' full-time course, £25; for attending hospital practice, £18 for three months or £32 for six months. Part-time teaching is given in the Out-Patient Department, at the National Hospital, Queen Square, on five days a week throughout the year (public holidays excepted) and at Maida Vale Hospital.

Courses of clinical demonstrations are given on Wednesdays and Saturdays at the National Hospital, Queen Square. Fee for either course, £2 2s. od. Advertisements concerning these appear from time to time in the medical journals.

Lectures. A lecture course is being given at the National Hospital, Queen Square, during the winter term. Biochemical and clinical aspects of disorders of metabolism in relation to the central nervous system. The biochemical aspects will be dealt with on Mondays, and clinical aspects on Fridays, both at 5.30 p.m. The fee for the whole course is £5 5s. od.; for attending Mondays or Fridays only £3 3s. od. The fee for a single lecture is 7s. 6d.

Guest lecture on January 14, at 5.30 p.m., by Sir Rudolph Peters, M.C., on the biochemical aspects of vitamin B group disorders in relation to the central nervous system. Admission free.

For further particulars please apply to the Dean, Institute of Neurology, National Hospital, Queen Square, London, W.C.1.

INSTITUTE OF OBSTETRICS AND GYNAECOLOGY

(Queen Charlotte's Maternity Hospital, Chelsea Hospital for Women, Department of Obstetrics and Gynaecology of Hammer-smith Hospital)

Two terms of 13 weeks each are held, beginning in the second week of March and the first week of September (enrolment fee £3; £36 for the term's course). General practitioners are accepted to attend for short periods during term time (fee £3 10s. od. per week). General practitioner refresher courses lasting one week are held at the end of February and the end of June (fee £5 5s. od.). Ministry of Health grants are payable for approved prac-

tioners attending either for two weeks during term, or the one week refresher course. An intensive course suitable for those preparing for higher examinations is held during the first two weeks of December and the first two weeks of June (fee £14 14s. od.). A limited number of postgraduates can be accepted to attend the practice of the hospital during the winter vacation (fee £1 per week). Laboratory training in pathology, endocrinology and cytology is available for a limited number of postgraduates. The Institute has hostel rooms at Queen Charlotte's Hospital and Hammersmith Hospital.

Further information and enrolment forms can be obtained from the Secretary, Institute of Obstetrics and Gynaecology, Chelsea Hospital for Women, Dovehouse Street, London, S.W.3.

INSTITUTE OF OPHTHALMOLOGY (Royal London Ophthalmic, Royal Westminster Ophthalmic, Central London Ophthalmic Hospitals)

Courses of lectures and classes beginning March 1 and October 1 each year to meet the requirements of candidates entering for the examination for the Diploma in Ophthalmology and other ophthalmological examinations will be given by members of the staff of the Hospital and Institute. Each course is designed to extend over two terms of approximately 16 weeks each and is normally divided into two parts.

Part I. Anatomy (including embryology and normal histology), elementary physiology of the eye, optics (elementary and physiological), practical tutorials in refraction work and clinical subjects.

Part II. All clinical branches of the subject, together with bacteriology and pathology. Students can attend the daily clinical practice of the two branches of the Moorfields, Westminster and Central Eye Hospital, and hold the appointments of Clinical Assistants concurrently with the above courses. A composition fee of £31 10s. od. will admit students, once to the lectures and tutorial classes of any one term, with six months' clinical practice in the hospital.

Extra Courses. Slit lamp microscopy (fee £5 5s. od.); orthoptic training (one week's intensive course, fee £5 5s. od.); contact lenses (one week's intensive course, fee £10 10s. od.) Additional courses by arrangement.

Hospital Practice only. Fees as follows: One month, £2 2s. od.; three months, £5 5s. od.; six months, £10 10s. od.

Facilities for research.

For further information apply to the Dean, Institute of Ophthalmology, Judd Street, London, W.C.1.

INSTITUTE OF ORTHOPAEDICS (Royal National Orthopaedic Hospital)

The Institute is concerned with postgraduate education in orthopaedics and with research. The practice of the Hospital (both at the town section in Great Portland Street and at the country section at Stanmore) and a Radiological Museum and the Wellcome Museum of Orthopaedics are open to postgraduates, who may join at any time. In addition to hospital practice, formal courses of various lengths are held during academic terms.

February

9 10 a.m. *Mr. A. T. Fripp.* Teaching ward round—Stanmore.

23 and 24. Weekend course for Registrars.

27 8 p.m. Clinico-Pathological conference. *Dr. H. A. Sissons and Mr. J. N. Wilson*—Bone tumours.

Facilities for advanced clinical work are available for selected candidates having a suitable scientific or surgical training.

Further particulars may be obtained from the Dean, Institute of Orthopaedics, Royal National Orthopaedic Hospital, 234 Great Portland Street, London, W.1.

INSTITUTE OF PSYCHIATRY (Bethlem Royal Hospital and Maudsley Hospital)

The Institute is concerned with postgraduate education in psychiatry and allied subjects, and with research. A course of instruction covering up to three years, and starting in October yearly, is provided for medical practitioners who wish to specialize in psychiatry or to prepare for the Diploma in Psychological Medicine.

Clinical instruction, which includes cast conferences, seminars, and practical experience in case taking, is given at associated hospitals in the mornings, and systematic lectures and demonstrations are arranged for the afternoons. Students may also enrol for shorter periods or for single series of lectures.

The subjects covered include anatomy and biochemistry of the nervous system, neurophysiology, pathology of nervous and mental diseases, psychiatry of children and adults, delinquency, principles of psychotherapy, forensic psychiatry and criminology, psychology, mental testing and statistics. There is a special six months' course in child psychiatry; comprising clinical instruction and lectures, which starts on October 1. Lectures on subjects of special interest are arranged from time to time. The tuition fee for a full year's course is £53 10s. od., including enrolment fee. For shorter periods the fee varies with the type of course chosen. Selected students are eligible for appointments on the staff of the Joint Hospital.

Facilities for research and supervision of study for higher degrees can be provided in clinical work and in the biochemical, physiological, neuro-endocrinological, neuropathological and psychological laboratories.

A course for Honours Graduates in Psychology is available in clinical psychology for the Academic Postgraduate Diploma in Psychology. In conjunction with the Institute of Neurology, a course in the techniques of electroencephalography is provided for doctors who expect to take up electroencephalographic appointments in hospitals.

Further information may be obtained from the Dean, Institute of Psychiatry, Maudsley Hospital, Denmark Hill, London, S.E.5.

INSTITUTE OF UROLOGY (St. Peter's, St. Paul's and St. Philip's Hospitals)

Week-end courses of lectures and demonstrations, beginning on Friday afternoon and ending on Sunday about tea-time, are given about once a month, from October to April, as advertised. Fee £5 5s. od. for each course.

Lectures for general practitioners are given on Wednesdays, throughout the winter months, at 4.30 p.m. for 5 p.m. No fee.

The practice of the hospitals, including the use of the Institute museum, reading room and library, is open to students attending the courses.

Applications should be addressed to the Secretary, Institute of Urology, 10 Henrietta Street, Covent Garden, London, W.C.2.

EAST HAM CHEST CLINIC

Out-patient teaching. Mondays at 2.30 p.m.

Apply Senior Registrar, East Ham Chest Clinic, Katherine Road, Forest Gate, London, E. 7.

LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE (University of London)

Courses of study are arranged for the C.P.H. and D.P.H. (London University); D.T.M. & H. (Eng.); and Academic Diploma in Bacteriology. Short courses are arranged in the Principles of Medical Statistics and Epidemiology, Statistical Methods and their Application in Medicine, and Applied Helminthology.

For further information and enrolment application should be addressed to the Secretary, London School of Hygiene and Tropical Medicine, Keppel Street, Gower Street, London, W.C.1.

NORTH LONDON POSTGRADUATE MEDICAL INSTITUTE

Courses in advanced medicine, advanced surgery, and obstetrics and gynaecology. Instruction in pathology, anaesthetics and radiodiagnosis. Clinical instruction at Bearsted Memorial Hospital, Chase Farm Hospital, North Middlesex Hospital, The Prince of Wales's General Hospital and St. Ann's General Hospital.

For further information apply to the Dean, the Prince of Wales's General Hospital, London, N.15.

PLAISTOW HOSPITAL CHEST UNIT

In-patient round every Thursday at 4.30 p.m.

Apply Registrar, Plaistow Hospital, Samson Street, Plaistow, London, E.13.

ROYAL LONDON HOMOEOPATHIC HOSPITAL

Clinical Tutorials. Practical instruction in the application of homoeopathic principles is given by the Tutors, Dr. W. L. Templeton and Dr. D. M. Foubister, at their tutorial clinics in the O.P. Department on Monday at 2 p.m. and Thursday at 1.30 p.m. throughout the year. Open to medical practitioners without fee.

A set course of Instruction in homoeopathy is given at intervals during the year.

For further information application should be made to the Dean of the Education Course, Royal London Homoeopathic Hospital, Great Ormond Street, London, W.C.1.

ST. MARY'S HOSPITAL MEDICAL SCHOOL

Obstetrical and gynaecological conferences will be held in the Wright Fleming Institute Theatre, on Tuesdays, at 5 p.m. Admission free.

February

- 5 *Mr. David Gordon.* Some unusual lesions of the vulva.
- 12 *Mr. W. G. Mills.* Dysmenorrhoea and pelvic pain.
- 19 *Dr. Norman Morris.* Uterine blood flow during late pregnancy and labour.
- 26 *Mr. R. M. Feroze.* Dysfunctional uterine haemorrhage.

March

- 5 *Dr. Peter Bishop.* Problems of intersex.
- 12 *Prof. Robert Cruickshank.* The use of antibiotics.

ST. STEPHEN'S HOSPITAL (Rheumatism Unit)

A concentrated weekend course in the rheumatic diseases

is given each year, in March, under the auspices of the Fellowship of Postgraduate Medicine.

A limited number of postgraduates can attend the outpatient sessions of the unit on Wednesday and Friday mornings at 10 a.m.

Applications for attendance at these sessions should be made to the Medical Registrar, Rheumatism Unit, St. Stephen's Hospital, Fulham Road, S.W.10.

EMPIRE RHEUMATISM COUNCIL

Lecture courses in rheumatic diseases are arranged for general practitioners and other postgraduates periodically.

Particulars are obtainable from the General Secretary, Empire Rheumatism Council, Tavistock House (N), Tavistock Square, London, W.C.1.

ROYAL INSTITUTE OF PUBLIC HEALTH AND HYGIENE

The Royal Institute of Public Health and Hygiene conducts recognized courses of instruction (starting annually in March and September) for the examinations of the Conjoint Board of the Royal College of Physicians of London and the Royal College of Surgeons of England for the Diploma in Public Health. Students are also prepared for the Diploma in Industrial Health examinations of the Conjoint Board and of the Society of Apothecaries of London. Courses, the next beginning on March 15, 1957, may be taken whole-time or part-time, and consist of both lectures and visits. In the D.P.H. the practical work is carried out at a county borough.

Prospectuses, enrolment forms and full particulars may be obtained from the Secretary, The Royal Institute of Public Health and Hygiene, 28 Portland Place, London, W.1. Telephone: Langham 2731-2.

BRISTOL

Medical Postgraduate Department of the University of Bristol

Diploma Courses. These begin in October and are advertised in the medical press in April. Provided there are sufficient candidates, instruction is provided in child health; radiodiagnosis (Diplomas of Conjoint Board).

Further information, copies of regulations for the Bristol Diplomas application and forms for the courses may be obtained from the Director of Medical Postgraduate Studies, The University, Bristol 8.

CAMBRIDGE

Cambridge University Medical School

Summary of postgraduate facilities for general medical practitioners from October 1, 1956 to July 31, 1957 (Bank Holidays excepted) at Addenbrooke's Hospital unless otherwise stated.

Each Week. Mondays: 10.15 a.m., Maternity Hospital, Mill Road, abnormal ante-natal clinic (Miss J. Bottomley); 10.30 a.m., ward round, medical cases (Dr. A. P. Dick); 2.30 p.m., ward round, medical cases (Dr. L. C. Martin); 2.30 p.m., O.P. clinic, 2 Bene't Place, psychiatric cases or subject (Dr. D. Russell Davis). Tuesdays: 9.15 a.m., O.P. department, dermatological clinic (Dr. A. J. Rook); 10.30 a.m., ward round, medical cases (Dr. L. B. Cole); 2.15 p.m., O.P. department, dermatological clinic (Dr. A. J. Rook); 2.30 p.m., department of physical medicine, demonstration of cases and methods (Dr. W. A. Fell). Wednesdays: 10 a.m., ward round, staff of department of medicine, haematological cases; 11 a.m., dermatological

clinic, O.P. department (Dr. C. H. Whittle); 2 p.m. O.P. department, E.N.T. cases (Dr. K. F. Wilsdon); 2.30 p.m., O.P. department, dermatological cases (Dr. C. H. Whittle). Thursdays: 10.30 a.m., ward round, medical cases (Dr. L. B. Cole); 11 a.m., ward round, Papworth Hospital, thoracic surgical unit (Mr. C. Parish); 2.15 p.m., O.P. department, cardiac clinic (Dr. L. B. Cole). Fridays: 10 a.m., ward round, surgical cases (Mr. J. F. R. Withycombe); 2.15 p.m., ward round, paediatric cases (Dr. D. M. T. Gairdner); 2.15 p.m., O.P. department, dermatological clinic (Dr. A. J. Rook); 2.30 p.m., O.P. department, endocrine clinic (Dr. L. C. Martin); 2.30 p.m., O.P. department, gastroenterological clinic (Dr. A. P. Dick and Dr. F. R. Berridge). Saturdays: 10.30 a.m., ward round, medical cases (Dr. L. B. Cole).

Each month. First Monday: 2.30 p.m., radio-therapeutic centre, diagnosis and treatment of cancer (Prof. J. S. Mitchell). 2.30 p.m., X-ray department, radiological demonstration (Dr. D. McC. Gregg). First Tuesday: 2 p.m., O.P. department, psychiatry (Dr. R. A. Noble). First Thursday: 2.30 p.m., orthopaedic O.P. department, orthopaedic cases or subject (Mr. T. J. Fairbank). First Friday: 2 p.m., The Clinic, Shire Hall, Castle Hill, diseases of the chest (Dr. M. Greenberg and Mr. C. Parish). First Saturday: 10.30 a.m., O.P. department, ophthalmic cases (Dr. E. G. Recordon). Second Thursday: 9.30 a.m., O.P. department, plastic surgery clinic (Mr. L. M. Rouillard). Third Monday: 2 p.m., ward round, surgical cases (Mr. B. McN. Truscott); 9.30 a.m., O.P. department, gynaecological cases (Mr. O. Lloyd); 3 p.m., O.P. department, clinical psychiatry (Dr. E. Beresford Davies). Third Wednesday: 9.30 a.m., O.P. department, urological and general surgical cases (Mr. J. F. R. Withycombe); 10.30 a.m., orthopaedic O.P., cases (Mr. R. W. Butler); 2.30 p.m., X-ray department, radiological demonstration (Dr. F. R. Berridge); 5 p.m., lecture theatre, pathology department, Tennis Court Road, clinico-pathological conference (Dr. A. M. Barrett). Third Thursday: 10.30 a.m., O.P. department, E.N.T. cases (Mr. A. S. H. Walford). Fourth Monday: 9.30 a.m., ward round, general surgical cases (Mr. P. H. R. Ghey); 10 a.m., O.P. department, ophthalmic cases (Mr. G. F. Wright). Fourth Thursday: 3 p.m., O.P. department, psychiatric cases (Dr. D. H. Clark).

Post-mortem demonstrations daily (except Saturdays) at 12.15 p.m.

One-day Symposia will be held at 10.30 a.m., on Saturdays each month, as follows:

February 2: Dermatology. **March 9:** Cardiovascular diseases. **April 6:** Malignant disease. **May 11:** Paediatrics. **June 1:** Respiratory diseases. **June 29:** Some preventive aspects of disease. **July 13:** Psychiatric disorder.

Further particulars may be obtained from the Secretary, Cambridge University Medical School, Tennis Court Road, Cambridge.

CARDIFF

The Welsh National School of Medicine

D.P.H. Wales (Diploma in Public Health). Part-time course from October 1958, extending over two academic years.

T.D.D. Wales (Tuberculous Diseases Diploma). Five to six months' full-time course, January to June.

D.M.R.D.Eng. (Diploma in Medical Radio-diagnosis). Eighteen months' full-time course from October.

D.C.H.Eng. (Diploma in Child Health). Two sessions weekly for twelve months.

The number of admissions to each of the above courses is

strictly limited, and early application should be made to the Secretary, The Welsh National School of Medicine, 34 Newport Road, Cardiff.

DUBLIN

University College

The following courses will be held during the session 1956-57:—

C.P.H. Course and examination. Michaelmas Term.

D.P.H. Course. Hilary and Trinity Terms. Examinations. Summer Term.

D.P.M. Course. Michaelmas Term. Examination, summer term.

Further particulars may be obtained on application to the Registrar, University College, Earsfort Terrace, Dublin.

EDINBURGH

Edinburgh Postgraduate Board for Medicine

General Surgery. Three months' courses of postgraduate surgery suitable for surgeons requiring a refresher course in the current outlook on general surgery or for graduates preparing to specialize in surgery, to start on March 18 and September 30, 1957. The programme has been arranged so as to provide co-ordinated clinical and systematic instruction in general surgical wards and specialized surgical units in Edinburgh. Fee £31 10s. od.

Medical Sciences. A three course in months' applied anatomy, physiology, pathology, bacteriology and biochemistry will begin on June 24, 1957. This course includes an adequate amount of practical instruction and is suitable for postgraduates wishing to take the Primary Fellowship examination. Fee £31 10s. od. Two courses in the basic medical sciences (anatomy, physiology, pathology including bacteriology) are arranged by the Royal College of Surgeons, under the aegis of the Edinburgh Postgraduate Board for Medicine. These courses, comprising lectures, demonstrations and practical instruction, will begin on February 11 and October 14, 1957, and continue for ten weeks. Fee £26 5s. od.

Internal Medicine. A course lasting 12 weeks, suitable for graduates wishing a refresher course, or to specialize in medicine, will begin on March 25, and September 23, 1957. This course consists of 320 hours' instruction, comprising lectures, clinical demonstrations and ward visits. Fee £31 10s. od.

The Royal College of Physicians of Edinburgh award two Hill Pattison-Struthers Bursaries each year to graduates attending the Internal Medicine course. Each Bursary amounts to £100. Applications must be submitted to the Secretary, Royal College of Physicians of Edinburgh, before February 1, 1957.

Additional instruction in clinical paediatrics and tropical medicine is arranged in conjunction with the course in medicine, for which there is a small fee; the numbers are limited.

Refresher Course for General Practitioners. A course lasting a fortnight starts annually in the first week of May.

Applications for enrolment should be addressed to the Director of Postgraduate Studies, Surgeons Hall, Edinburgh 8, supplying particulars of qualifications and postgraduate experience.

Royal Medical Society

The meetings of the Society are held in the Society's Hall on Friday evenings during the Autumn and Spring Terms. Meetings consist of Private Business (at 7 p.m.)

and Public Business (at 8 p.m.) in which dissertations by members or addresses by prominent medical men on subjects of medical interest are given. Clinical meetings are held periodically in the Royal Infirmary and film shows of the latest medical films are given in the Society's Rooms. Prospective members will be welcomed on any Friday evening in the Society's Hall before public business.

Applications for further information should be addressed to the Secretary, Royal Medical Society, 7 Melbourne Place, Edinburgh, 1.

LIVERPOOL

University of Liverpool

The following postgraduate courses of instruction are offered:

Surgery. A full-time course of one year suitable for candidates who have already completed the Primary Examination of the F.R.C.S., or undertaken postgraduate study in anatomy and physiology. On completion of the course students become eligible to take the Mastership of Surgery (Ch.M.) of this University provided they are graduates of an approved University or otherwise comply with the regulations. The fee for the course is £60. The course begins in September.

Orthopaedic Surgery. A full-time 12-month course leading by examination to a Mastership in Orthopaedic Surgery (M.Ch.Orth.) open to all medical graduates of approved Universities (and to graduates in other faculties with qualifications in medicine) who hold an F.R.C.S. of one of the British colleges or its equivalent. The fee for the course is £70. The course normally begins in January.

Radiology. A full-time course of two academic years leading to a D.M.R. (D. or T.) open to medical graduates of approved Universities and to medically qualified candidates who hold approved higher medical diplomas and a degree in a faculty other than medicine. The course allows a candidate to hold suitable approved hospital appointments during the second year and covers the regulations required by the Conjoint Board. The fee for the two-year course is £63. The course begins in October. The degree of M.Rad. may, after report by the Faculty, be conferred on holders of the D.M.R. (D. or T.) of this University under certain conditions.

Public Health. A full-time one-year course leading to the Diploma in Public Health, open to candidates with a medical qualification from an approved medical school or licensing body. This qualification should have been obtained not less than two years before admission to the course. The fees amount to £73 13s. All courses of instruction begin in October.

Tropical Medicine and Hygiene. A full-time three-month course leading to the Diploma in Tropical Medicine and Hygiene (D.T.M. & H.) open to candidates with a medical qualification from an approved medical school or licensing body. The course begins in September and January. Fee £53 11s.

Anaesthesia. A full-time course of postgraduate instruction, limited to ten students, begins on October 1 and lasts for one year. The course combines instruction in the practical administration of anaesthetics with lectures and demonstrations in anatomy, physiology, pathology, physics, pharmacology, medicine and surgery, and anaesthesia. For the purpose of gaining practical experience, the students are found suitable appointments in recognized General Hospitals within the Liverpool area. The fee for the course is £60.

Psychiatry. A part-time course begins on January 1

and lasts for two years. It is divided into two parts corresponding to the two parts of the Diploma in Psychological Medicine awarded by the Examining Board in England (R.C.P. Lond. and R.C.S. Eng.). Part I provides instruction in (a) anatomy (macroscopic and microscopic) and physiology of the nervous system, and (b) psychology. Part II deals with (a) clinical neurology and neuropathology and (b) psychological medicine, including psychoneuroses, mental deficiency, child psychiatry, forensic psychiatry and social psychiatry. Parts I and II will be held simultaneously. Students may enrol for either part separately but, except in special circumstances, will not be permitted to take both parts concurrently. Applications to attend in respect of a special subject in Part II (e.g. mental deficiency) will be considered individually. Fees £12 12s. od. per term or £70 for the whole course.

Applications for further information should be addressed to the appropriate department of the University, Liverpool, 3.

MANCHESTER

University of Manchester

The following postgraduate courses are offered:—

D.P.M. A part-time course beginning in October and extending over eight academic terms.

D.P.H. A part-time course begins in October in alternate years and extends over two academic years. The next course will begin in October 1958.

D.M.R.D. A full-time course will begin in March 1957. Applicants must fulfil the requirements of the Examining Board in England.

D.M.R.T. A full-time course will begin at the Christie Hospital and Holt Radium Institute in April 1957. Applicants must fulfil the requirements of the Examining Board in England.

Further particulars may be obtained from the Dean of Postgraduate Medical Studies, The University, Manchester 13.

NEWCASTLE

The Medical School, King's College (University of Durham)

Public Health. A part-time course is held for the D.P.H. The course occupies five terms, two-and-a-half days each week being occupied in whole-time study, leaving the remainder of the time free for remunerated employment. Several suitable part-time hospital posts in the area are available to candidates attending the course. The course is held biennially and the next complete course will begin in January 1957.

Psychological Medicine. Courses for the D.P.M. (Dunelm) are held as follows: Part I, part-time course extending over three terms and beginning October. Part II, full-time course extending over two terms also beginning in October. Part I and Part II may be taken together.

For further information application should be made to the Assistant Registrar, Medical School, King's College, Newcastle upon Tyne.

OXFORD

Postgraduate Medical Studies

Summary of ward rounds, clinics, demonstrations, etc., open to general practitioners during February 1957, in the Radcliffe Infirmary, unless otherwise stated.

Medicine. Ward rounds, 10.15 a.m., Mondays and Thursdays (Dr. A. M. Cooke); Tuesdays and Fridays

Dr. P. C. Mallam); Wednesdays (Dr. E. M. Buzzard); 10 a.m. Tuesdays and 2 p.m. Fridays (Prof. G. W. Pickering). Clinical demonstrations, 2.15 p.m., Thursdays in full term (Prof. L. J. Witts, Dr. S. C. Truelove, Dr. Sheila Callender, Dr. J. Badenoch). Medical consilia, 5 p.m., Wednesdays in alternate weeks in full term (Prof. L. J. Witts and others). **Clinical pathology.** Conferences, 5 p.m. Wednesdays, alternate weeks in full term (Dr. A. H. T. Robb-Smith and staff). **Chest diseases.** Clinical demonstrations, by arrangement with Dr. F. Ridehalgh, Osler Hospital. **Geriatrics.** Clinical demonstrations by arrangement with Dr. L. Z. Cosin and Dr. P. D. Bedford, Cowley Road Hospital. **Infectious diseases.** Clinical demonstrations, by arrangement with Dr. J. F. Warin, Slade Hospital. **Neurology.** (Medical and surgical) clinical demonstrations, 5 p.m., Thursdays in full term (Mr. J. B. Pennybacker, Dr. W. Ritchie Russell, Mr. W. S. Lewin, Dr. Honor Smith, Dr. C. W. M. Whitty, Dr. J. Spalding); O.P., 1.45 p.m., Wednesdays (Mr. J. B. Pennybacker, Mr. W. S. Lewin); 2 p.m., Tuesdays and Wednesdays (Dr. Ritchie Russell, Dr. C. W. M. Whitty). **Paediatrics.** Ward rounds, 10.30 a.m., Saturdays (Dr. Victoria Smallpiece). **Psychiatry.** Clinical demonstrations, 4 p.m., Fridays in full term at Warneford Hospital (Dr. R. G. McInnes). **Skin diseases.** O.P., 2 p.m., Mondays and Fridays (Dr. Alice Carleton). **Social medicine.** Demonstrations by arrangement with Dr. Alice Stewart, Social Medicine Unit, 8 South Parks Road. **Venereal diseases.** O.P. male, 5.30 p.m. Wednesdays, 2.15 p.m. Saturdays (Dr. P. C. Mallam); O.P., female, 6 p.m. Mondays, 2.30 p.m. Wednesdays (Dr. Frances Nichol). **Surgery.** Ward rounds, 9.30 a.m. Mondays, 10.30 a.m. Thursdays, Churchill Hospital (Mr. A. S. Till). O.P. fractures, 10 a.m. daily (Mr. J. C. Scott, Mr. R. G. Taylor, Mr. J. D. Morgan). Clinical demonstrations, 4.30 p.m. Tuesdays. **Orthopaedic surgery.** Clinical discussions, 9 a.m. Thursdays and Saturdays at Wingfield-Morris Orthopaedic Hospital (Prof. J. Trueta, Mr. J. C. Scott, Mr. R. G. Taylor, Mr. E. W. Somerville, Mr. J. Agerholm, Mr. J. D. Morgan, Mr. W. Waugh). **Plastic surgery.** Clinical discussions and O.P., 2 p.m. Mondays, Stoke Mandeville Hospital, 2 p.m. Fridays, Churchill Hospital (Prof. T. P. Kilner), 10 a.m. Thursdays, Churchill Hospital (Mr. E. W. Peet), 2 p.m. Wednesdays, Churchill Hospital (Mr. J. S. Calnan). **Radiotherapy.** Ward rounds, 4.30 p.m. Mondays. Churchill Hospital (Dr. Frank Ellis). **Obstetrics.** Lecture demonstrations, 9.15 a.m. Mondays, Tuesdays, Fridays (Prof. J. C. Moir and staff); ward rounds, 11 a.m. Fridays (Prof. J. C. Moir). O.P. ante-natal, 2 p.m. Mondays (Mr. M. P. Embrey), 10 a.m. Wednesdays (Mr. W. Hawksworth), 2 p.m. Thursdays (Mr. J. A. Stallworthy), 2 p.m. Fridays (Prof. J. C. Moir and staff), 2 p.m. Mondays, Churchill Hospital (Mr. J. A. Stallworthy), 10 a.m. Fridays, Churchill Hospital (Mr. W. Hawksworth). O.P. post-natal, 10 a.m. Tuesdays (Prof. J. C. Moir and staff); Infant Welfare Clinics, 2 p.m. Wednesdays and Thursdays, by arrangement with Dr. Mary Fisher, City Clinics. **Gynaecology.** Ward rounds, 11 a.m. Tuesdays (Prof. J. C. Moir), 10.30 a.m. Wednesdays (Mr. J. A. Stallworthy).

General practitioners wishing to avail themselves of these facilities should notify the Director of Postgraduate Medical Studies, Osler House, 43 Woodstock Road, Oxford (Telephone: Oxford 3609).

CONFERENCES, PRIZES, Etc.

Queen Square Prize in Neurology. A prize of £100 will be awarded annually to the postgraduate student, or ex-student, of the Institute of Neurology who presents the best written paper describing clinical work

carried out or initiated at the National Hospitals for Nervous Diseases. Entries must be submitted not later than September 30 each year.

Full particulars from the Dean, Institute of Neurology (Queen Square), The National Hospital, Queen Square, London, W.C.1.

University of Edinburgh, Faculty of Medicine. University (Fellowships, Scholarships and Bursaries) Scheme Ltd. In terms of the above-named scheme, certain funds have been amalgamated to form a Medical Faculty Scholarships Fund, from which awards of Fellowships and Scholarships will be made under the following conditions. **Graduate Research Scholarships.** Four are offered for award, each tenable for one year and, in certain circumstances, renewable for a second year. For the first year the minimum value shall be £500 and for the second year £600. The Scholarships shall be open to graduates in the Faculty of Medicine of any University; to graduates in the Faculties of Arts or Science of any University who hold an Honours Degree; and to licentiates in medicine. They shall not be open for award to any applicant who, excluding any period spent in National Service, has held a degree or licence for longer than three years. Those to whom awards are made shall be required to undertake research work in a department within the Faculty of Medicine. The Scholarships will normally be awarded at the beginning of each academic year in October. **Graduate Research Fellowships.** Three are offered for award, each tenable for one year, renewable for a second year and, in special circumstances, for a third year. For the first year, the minimum value will be £700; for a second year, £800; and for the third year, £900. The Fellowships shall be open to graduates as for Research Scholarships above; the research work shall be required to be undertaken in a department within the Faculty of Medicine, and the awards will normally be made at the beginning of each academic year in October.

Applications for the Scholarships or Fellowships (which are to be made on the prescribed application form obtainable from the Faculty of Medicine on request) must be submitted, through the Head of the Department concerned, to the Dean, Faculty of Medicine, University New Buildings, Teviot Row, Edinburgh 8, by April 30 in the year of award, and should be accompanied by a statement of the work which the applicant proposes to undertake.

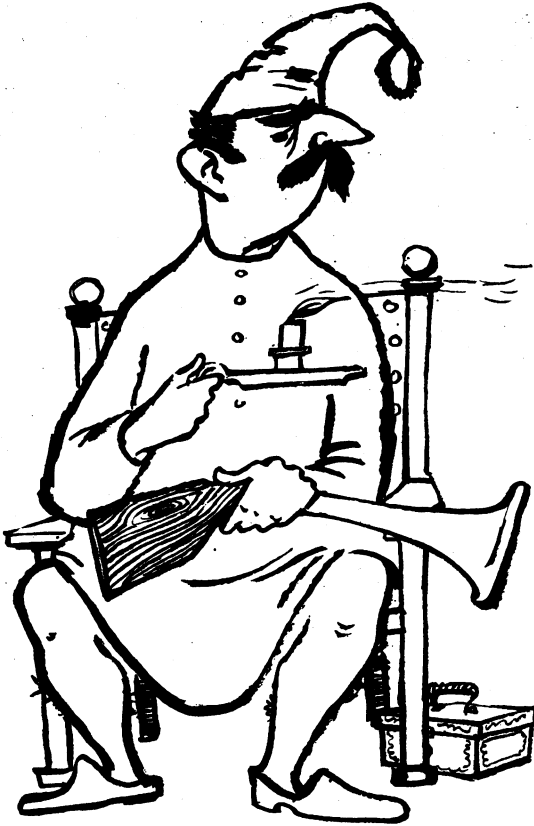
Experimental Research into Problems of Ageing. Candidates are invited to submit papers descriptive of work in this field for awards for 1957. Not less than five awards, of an average value of £300 each, are available for 1957; the announcement of awards will be made in July 1957. Entries must be received not later than January 31, 1957, and the work submitted should not have been published before May 31, 1956. Papers should not be more than 7,000 words in length and may be in the candidate's own language.

Full particulars and form of application obtainable from the Director, Ciba Foundation, 41 Portland Place, London, W.1.

Anglo-French Exchange Bursaries. Applications are now invited for the bursaries which will be awarded in 1957, to young British doctors under the exchange scheme arranged by the French Embassy in London, between the Institut National d'Hygiene in Paris, and the Ciba Foundation in London. The closing date for applications is February 2.

Full particulars and application forms may be obtained from Dr. G. E. W. Wolstenholme, Director, The Ciba Foundation, 41 Portland Place, London, W.1.

Scholarships in aid of Scientific Research. The



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Council of the British Medical Association is prepared to receive applications for research scholarships as follows: an Ernest Hart Memorial scholarship, of the value of £300; a Walter Dixon scholarship, of the value of £300; four ordinary research scholarships, each of the value of £200. In addition, applications are invited for the award of the following research scholarship: the Insole scholarship, of the value of £250, for research into the causes and cure of venereal disease.

Each scholarship is tenable for one year, commencing on October 1, 1957. A current scholar is not necessarily required to devote the whole of his or her time to the work of research, but may be a member of H.M. Forces, or may hold a junior appointment at a University, medical school or hospital, provided the duties of such appointment will not, in the opinion of the Science Committee, interfere with his or her work as a scholar.

Applications for scholarships, including renewals, must be made not later than March 1, 1957, on the prescribed form, a copy of which will be supplied on application, by the Secretary (A. Macrae), British Medical Association House, Tavistock Square, London, W.C.1.

Ophthalmological Society of the United Kingdom.

The Annual Congress will be held at the Royal Society of Medicine, 1 Wimpole Street, London, W.1, on April 11, 12 and 13, 1957.

Full particulars from the Honorary Secretary, The Ophthalmological Society of the United Kingdom, 45 Lincolns Inn Fields, London, W.C.2.

Association of Surgeons of Great Britain and Ireland.

The Annual Meeting will be held in Newcastle upon Tyne on Thursday, Friday and Saturday, April 25, 26 and 27, 1957.

Full particulars from the Honorary Secretary, Association of Surgeons of Great Britain and Ireland, 45 Lincolns Inn Fields, London, W.C.2.

Butterworth Gold Medal is presented annually to the College of General Practitioners by Messrs. Butterworth & Co., the medical publishers, for an essay by a member or associate of the College on a subject connected with general practice. The subject for this year's essay is 'The science and art of prognosis in general practice.'

Essays, identified by motto only (with author's name and address in a sealed envelope) and not exceeding 10,000 words, should be submitted to the Chairman of the Awards Committee, College of General Practitioners, 14 Black Friars Lane, London, E.C., not later than September 16, 1957.

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