ASSOCIATION INTELLIGENCE.

NOTICE OF QUARTERLY MEETINGS FOR 1887. ELECTION OF MEMBERS.

ANY qualified medical practitioner, not disqualified by any by-law of the Association, who shall be recommended as eligible by any three members, may be elected a member by the Council or by any recognised Branch Council.

Meetings of the Council will be held on July 13th and October 19th, 1887. Candidates for election by the Council of the Association must send in their forms of application to the General Secretary not later than twenty-one days before each meeting, namely,

June 23rd and September 29th, 1887.

Candidates seeking election by a Branch Council should apply to the Secretary of the Branch. No member can be elected by a Branch Council unless his name has been inserted in the circular summoning the meeting at which he seeks election.

FRANCIS FOWKE, General Secretary.

COLLECTIVE INVESTIGATION OF DISEASE.

INQUIRIES are being pursued on the following subjects

DIPHTHERIA, THE ETIOLOGY OF PHTHISIS,

Memoranda on the above subjects, and forms for communicating observations on them, may be had on application.

The Inquiries on OLD AGE, and on the CONNECTION OF DISEASE WITH HABITS OF INTEMPERANCE, are now closed.

Reports are in preparation upon the Inquiries made into Acute RHEUMATISM, DIPHTHERIA, and HABITS OF INTEMPERANCE, a full Report on Old Age, and a Supplementary Report on Puerperal PYREXIA. All the above will be published in the JOURNAL as soon as completed. Tables of the Chorea and Acute Rheumatism cases will be published in separate form.

The Returns made to the GEOGRAPHICAL INQUIRY are being

tabulated for report.

Application for forms, memoranda, or further information, may be made to any of the Honorary Local Secretaries, or to the Secretary of the Collective Investigation Committee, 429, Strand, W.C.

BRANCH MEETINGS TO BE HELD.

METROPOLITAN COUNTIES BRANCH: EAST LONDON AND SOUTH ESSEX DISTRICT .-The next meeting will be held at the London Hospital on Thursday, April 21st, at 8.30 P.M. The chair will be taken by C. Macnamara, Esq. A demonstration of interesting surgical cases will be given by W. Rivington, Esq., Surgeon to the Hospital. All visitors will be welcomed.—J. W. Hunt, M.D., Honorary Secretary, 101. Queen's Road, Dalston.

YORKSHIRE BRANCH.—The spring meeting will be held at the Queen Hotel, Harrogate, at 3 P.M. on Wednesday, April 27th, 1887. Members intending to read papers are respectfully requested to send in their names at once to Arthur Jackson, Secretary, Sheffield.

South-Western Branch.—Preliminary Notice.—The annual meeting of the Branch will be held at the Athenaeum. Plymouth, on Wednesday, May 18th, 1887, under the presidency of Paul Swain, Esq. Members who propose to read papers or to bring forward communications or motions, are requested to intimate the same to the Honorary Secretary without delay.—P. Maury Deas, Honorary Secretary.

NORTH OF ENGLAND BRANCH.—The spring meeting of the Branch will be held at Durham, in Bishop Cosin's Library, on Thursday, April 21st, at 2.30 P.M. Dr. Drummond will call attention to the question of increasing the number of meetings of the Branch, to alterations in the places of meeting, and to the business of the annual meeting. Dr. Murphy will exhibit a patient after Uranoplasty, with remarks on the operation. Papers will be read by Dr. Drummond on the Symptoms and Diagnosis of Floating Kidney; by Dr. Oliver, on Massage as a Therapeutic Agent; by Dr. Hume, on a case of Congenital Fistula of the Stomach, cured by operation; by Mr. Williamson, a note on the Effects of Tobacco Smoking on Vision. Members wishing to read papers or to bring forward cases and specion Vision. Members wishing to read papers or to bring forward cases and specimens are requested to communicate at once with the Secretary. After the meeting the members and their friends will dine together at the County Hotel, at 5.30 P.M.—G. E. WILLIAMSON, F.R.C.S., Honorary Secretary, 22, Eldon Square, Newcastle-on-Tyne.

ABERDEEN, BANFF, AND KINCARDINE BRANCH.—An ordinary meeting will be held at 198, Union Street, Aberdeen, on Wednesday, April 20th, at 8 p.m., Dr. Urquhart, President, in the chair. Business: 1. Minutes, etc. 2. Case of Tumour of Pons Varolii, by Dr. Macgregor, Aberdeen. 3. Case of Extreme Astigmatism after Extraction of Traumatic Cataract, by Dr. Mackenzie Davidson. 4. Remarks on the question of Irrigation of the Anterior Chamber after Cataract. Extraction, by Dr. Mackenzie Davidson. 5. Exhibition of Specimens: (1) Excised Uterus, by Professor Ogston; (2) Excised Surgical Kidney, by Professor Ogston; (3) Case of Hemi-anesthesia, by Dr. Mackenzie Booth. 6. Report of the Committee appointed to ascertain the feeling as to a Post-Graduate Course in Absrdeen, by the convener, Dr. Edmond.—Robert John Garden and J. Mackenzie Booth, Honorary Secretaries.

SOUTH WALES AND MONMOUTESHIRE BRANCH.—The spring meeting will be eld at the Freemasons' Hall, Queen Street, Neath, on Thursday, April 28th. SOUTH WALES AND MONHOUTHAM BRANCH.—In Spling meeting with held at the Freemasons' Hall, Queen Street, Neath, on Thursday, April 28th. Members wishing to read papers or to make communications are requested to send to one of the secretaries before April 18th. Further particulars in circulars. ALFRED SHEEN, M.D., Cardiff, and D. ARTHUR DAVIES, M.B., Swansea, Honorary

SOUTH-EASTERN BRANCH: WEST KENT DISTRICT.—The next meeting of the above district will be held at the Hospital, Gravesend, on Friday, April 29th, at 4 P.M., C. J. W. Pinching, Esq., in the chair. The dinner will take place at The New Falcon Hotel at 6.30 P.M., charge 6s. 6d., exclusive of wine. Gentlemen who intend to dine are particularly requested to signify their intention to the Chairman, C. J. W. Pinching, Esq., 76. New Road, Gravesend, not later than April 27th. All members of the South-Eastern Branch are entitled to attend this meeting, and to introduce friends. Papers to be read:—1. Dr. Firth: On Pyemia. 2. R. J. Bryden, Esq.: Two Complicated Cases in Midwifery Practice. 3. Dr. Goodhart: The behaviour of Fluid in the Pleura, and the Treatment of Empyema.—A. W. Nankivell, Honorary Secretary of District. SOUTH-EASTERN BRANCH: WEST KENT DISTRICT .- The next meeting of the

METROPOLITAN COUNTIES BRANCH: NORTHERN DISTRICT.—The next meeting this district will be held at the Deaconesses Institution and Training Hospital, Tottenham, on April 28th, at 8 P.M., when the President of the Branch, Dr. Bristowe, will deliver a clinical address. Dr. Ogier Ward will also read a paper on the Treatment of Diphtheria. A discussion may follow. All medical men are invited.—George Henry, M.D., Honorary Secretary.

Oxford and District Branch.—The next ordinary meeting will be held on Wednesday, April 27th, at 3 p.m., at the Radcliffe Infirmary. Members who wish to read a paper or show cases are requested to notify their intention to one of the honorary secretaries on or before April 19th. Members wishing to dine after the meeting (6.30) must send in their names on or before Tuesday, April 26th.—Dr. Darbishire, 60, High Street, Oxford; W. L. Morgan, Esq., 42, Broad Street, Oxford.

LANCASHIRE AND CHESHIRE BRANCH: INTERMEDIATE MEETING.

An intermediate meeting of this Branch was held at Birkenhead on Wednesday, March 30th, at 2 P.M., in the new Town Hall, which had kindly been placed at the disposal of the members by the Mayor and Corporation. Dr. HARKER, President of the Branch, having taken the chair, the circular from the Sub-committee appointed to ascertain the feeling of the Branches as to the desirability of paying the railway fares of representative members on the Council of the Association to their quarterly meetings in London was read, and the resolution of the Council of the Branch was submitted to the meeting for confirmation or otherwise. After some discussion, it was proposed by Dr. Glascott, seconded by Dr. Royle, and carried unanimously: "That it is desirable that the first-class return railway fares of the representative members on the Council of the Association be defrayed by the British Medical Association, and that the expenses of the Honorary Secretary of the Branch be paid by the Branch as heretofore.

Medical and Surgical Communications. - Dr. Walter showed a

large Fibro-myoma of the Vagina.

Dr. WALLACE read a note on Extra-Uterine Pregnancy with reference to Intra-Peritoneal Hæmatocele and Abdominal Section (with specimens).

Mr. EDGAR BROWNE read brief notes on some points in Diseases of the Eye occurring in Children.

Dr. Ashby read a communication on Intubation of the Larynx in Croup by means of O'Dwyer's Tubes, and showed the tubes and

Mr. THOMAS JONES related a case of Acute Traumatic Suppurative Osteomyelitis of the Humerus successfully treated by early trepana-

Remuneration of Medical Witnesses at Assize and County Sessions Courts. - Mr. Wm. BERRY (Wigan) read a paper upon the inadequate remuneration of medical witnesses at sessions and assizes. After stating that the Home Secretary had the power of altering or revising the fees paid to witnesses, he called attention to the fact that the present scale—namely, a guinea a day for medical witnesses -was fixed in 1858, nearly thirty years ago, when the value of a guinea was very different from what it was at present; the cost of living and the general expenses attending medical practice had very much increased, and he was of opinion that the value of the medical testimony given at these Courts was also much increased. He called attention to the fact that, as the railway communication had improved, there were much greater facilities for saving the time of professional men attending as witnesses, yet the Crown had shown no desire to help them, as every medical man knew who had been obliged to attend these Courts, the professional witness being compelled to attend for a number of days, waiting for the particular case in which he was engaged to come on for trial. He spoke of his experience of the hardships entailed upon general practitioners living in towns within a radius of twenty or thirty miles of the assize towns Liverpool, Manchester,

and Lancaster. In many of these towns the railway facilities were so great that it was quite possible for a witness to be in the court within an hour after receiving an intimation that his case was about to be called; and yet these witnesses were compelled to wait about the Court from morning till night, as in the old days, when it would probably have taken a day or more to make the journey. It was even worse than that, for they were not allowed their railway expenses each day, but were supposed to remain in the Assize town until their cases were disposed of, being allowed two shillings each night for a bed; and if they returned to their own homes it must be at their own expense, even in cases where Sunday intervened in very rare instances were they allowed the return railway fare. He mentioned the case of Wigan, where at least one or two of the general practitioners were obliged to attend at each Assize or Sessions throughout the year, losing on the average six days by each attendance. The Wigan Medical Society felt it such a grievance that one of their members refused to be bound over, in order to call public attention to the matter. They held a meeting, and appointed a sub-committee to obtain counsel's opinion and drew up a petition for presentation to the Grand Jury. The Grand Jury admitted the hardship, sympathised with the Wigan Medical Society, and sent in the petition to Mr. Justice Hawkins, who stated in Court that he could not possibly interiere, that all the arrangements with regard to witnesses, etc., were made before he opened the Assizes, and that he had no power in the matter. The petition was laid before the Grand Jury by the gentleman who refused to be bound over, but who afterwards attended on subpœna; and after he was kept for five days waiting about the Court, his evidence was not required. The Honorary Secretary of the Wigan Medical Society sent out twenty-two circulars to medical men living in the district, asking them to state the number of days they attended as witnesses during the last two years. To these circulars he received fourteen replies, and on putting them together he found that fourteen medical men in the neighbourhood of Wigan had spent ninety-eight days in attending at Assize and County Sessions during the years 1886-87. Mr. Berry concluded by moving the following resolution, which was supported by members from South-port, West Derby, Stockport, Birkenhead, and Wigan: port, West Derby, Stockport, Birkenhead, and Wigan:—
"That a memorial from the Branch be presented to the Council of the

Association, requesting them to petition the Home Secretary to revise the fees payable to professional witnesses in criminal cases at the County Sessions and Assizes, the present scale of fees being inadequate.' This was seconded by Dr. O'REILLY, and carried unanimously.

Luncheon.—The members present at the meeting were entertained at a luncheon in the Town Hall by the members of the Association and

Branch resident in Birkenhead and district.

Excursions .-- The day being very fine, a large number of the members availed themselves of one or other of the following excursions which had been arranged by the Birkenhead Reception Committee:-Through the courtesy of the firm, arrangements had been made for a visit to Messrs. Laird Brothers' shipbuilding yards. By the kindness of John Hartnup, Esq., astronomer to the Mersey Dock and Harbour Board, members were conducted over the Bidston Observatory. By the kind permission of the Mayor and Corporation of Birkenhead, the new Town Hall was thrown open to the inspection of members. medical staff of the Borough and of the Wirral Children's Hospitals invited members to visit the institutions. Dr. Braidwood demonstrated at 4 P.M. his methods of treating reducible hernia in children without spring trusses at the Children's Hospital.

Dinner.—At 5 P.M. fifty-nine members and guests, including the Mayor of Birkenhead and other members of the Corporation, dined together at the Woodside Hotel, under the presidency of Dr. Harker,

President of the Branch.

STAFFORDSHIRE BRANCH: GENERAL MEETING.

THE second general meeting of this session was held at the Railway Hotel, Stafford, on Thursday, February 24th, 1887. Present: Dr.W. G. Lowe, President, in the chair, and eighteen members.

New Members.—The following gentlemen were elected members of the Branch: Mr. Arthur Hands, Clyde House, Heath Town; Dr.

Charles Reid, the Infirmary, Stafford.

Communications.—Mr. VINCENT JACKSON read letters from the Metropolitan Counties Branch; from the Council of the British Medical Association; from the Association of General Practitioners.

MIDLAND BRANCH.

A SPECIAL general meeting was held at the Hospital, Grantham, on Thursday, March 31st; Dr. NEWMAN, President, in the chair. There were also present twenty-one members.

Travelling Expenses of Representatives on Council.—Mr. Sympson opened the discussion on this question; and on the proposal of Mr. WILKINSON, seconded by Mr. Collingwood, the following resolution was carried, with two dissentients: "That, in the opinion of this meeting, the travelling expenses of the representatives of the various Branches of the Association, for their attendance at the four quarterly meetings of the Council, should not be paid, and that the present state of things should continue."

New Members.—The following members of the Association were elected members of the Branch: Richard Charles E. Boulton, M.B., Bardney; Albert Edward Hindle, Esq., Leicester; Frederick William Bennett, M.D., Leicester; Charles Geo. Wallis, Esq., Derby; Maitland Thompson, Esq., Metheringham; Frank Newcombe, Esq., Ancaster; John Charles Jackson, Esq., Bourne; R. Wilson, Esq., Grantham; Reginald Pratt, M.D., Leicester; H. P. Bailey, Esq., Grantham.

Papers.

1. Dr. GOODHART: Cases of Angina Pectoris.

2. Dr. HANDFORD: Some of the Complications and Sequelæ of Enteric Fever.

3. W. J. CANT, Esq.: Conical Cornea and a New Method of Treat-

Luncheon. - Before the meeting, the members were entertained at luncheon by Mr. Shipman, of Grantham.

SPECIAL CORRESPONDENCE,

PARIS.

[FROM OUR OWN CORRESPONDENT.]

Nutrition of the Eye.—Physiological Action and Therapeutic Uses of Methylal, -Bullet-Wounds made by the New Rifles lately introduced.

M. Panas has undertaken a series of experiments with the object of clearing up some obscure points relative to the nutrition of the eye. By injecting fluorescine into the veins of a rabbit and under the skin of a frog, he observed that the aqueous humour was secreted behind the iris, and not in the anterior chamber, and that the secretion was entirely produced in the layer of cells which line the ciliary process and the posterior surface of the iris. Injection of fluorescine into the vitreous shows that the exosmotic current of the vitreous humour flows towards the anterior chamber, and not towards the optic nerve, as has been supposed. M. Panas has also further investigated the effect of naphthaline when injected into the crystalline lens. It seems to affect the deeper portions of the eye before inducing the formation of cataract. Numerous crystals are first seen floating in the vitreous, and afterwards patches appear on the retina; in the centre of these praches slight depressions are formed. Later on a striated cataract is formed, the stripes of which proceed from the equator to the poles of the crystalline lens. When mature, this cataract is soft, large, and of a rusty colour. The author concludes that the nutrition of the crystalline lens depends especially on the retina, but also on the vitreous.

For some time past therapeutists have sought for a new hypnotic among acetals. Methylal, which belongs to that group, was first classed by M. Malaguti in 1839. It is highly volatile, boils at 42° C. (107.6° F.), has a density of about 0.85. and is soluble in water, alcohol, and oil. M. Personali's experiments proved that methylal rapidly induced sleep in frogs, after a dose equal to 50 per cent. of their own weight; in rabbits, after a dose of 25 per cent. of their weight; in birds, after a dose of 20 per cent.; and in dogs after a dose of 10 to 16 per cent. A dose of a gramme and a half caused death in a pigeon. Methylal is rapidly eliminated. It modifies the action of the heart, and increases the number of its beats during hypnosis. It lessens arterial pressure, and at the same time lowers the temperature; it reduces the activity of exchange in the tissues, while it modifies the circulation and respiration. If methylal be administered to a warm-blooded animal at the beginning of stryclininepoisoning, the tetanic convulsions are checked, and the poison being eliminated the animal may recover. In the case of cold-blooded animals, in which the process of elimination takes a considerable time, the toxic phenomena are suspended while the action of the methylal lasts, and reappear when it has ceased. Methylal may be administered without difficulty either hypodermically or by the mouth. M. Nicot proposed to administer it externally, prepared with oil of sweet almonds, in the form of a liniment composed of 85 grammes of the excipient to 15 grammes of methylal; or with alcohol at 80, in the proportion of 10 grammes of methylal to 110 grammes of alcohol and 5 grammes of essence of lavender. An ointment might be made with methylal, containing 33 grammes of fatty material and 5 grammes of

MEDICAL NEWS.

King and Queen's College of Physicians in Ireland.—At the usual monthly Examinations for the Licences of the College, held on Monday, Tuesday, Wednesday, and Thursday, April 4th, 5th, 6th, and 7th, 1887, the undermentioned candidates were successful.

For the Licences to Practise Medicine and Midwifery.

E. S. Lewer, Hong Kong, China; J. Maguire, Cavan; S. McKee, Ballycurry, County Antrim; H. R. H. Peare, Edinburgh; S. Roberts, Dublin; W. T. Steele, Dublin; J. D. Windle, Manchester.

For the Licence to Practise Medicine only.
P. H. Fox, Surgeon, Army Medical Staff; B. H. Hopkins, Castlebar, County Mayo; A. K. F. McCutcheon, Dublin; T. A. Murray, Manchester; M. L. Riordan, Limerick; J. St. Johnston, Birmingham.

SOCIETY OF APOTHECARIES OF LONDON.—The following gentlemen 'having satisfied the Court of Examiners as to their knowledge of the Science and Practice of Medicine, Surgery, and Midwifery, received Certificates entitling them to practise as Licentiates of the Society, on April 7th, 1887.

Shute, George Sidney, Gillingham, Dorset. Wedgwood, William Brackenbury, Fern Bank, East Dulwich.

The following gentlemen also on the same day passed their Primary Professional Examination.

Councell, Richard Watson, of the Bristol School of Medicine. Gunton, George Andrew, of St. George's Hospital.

MEDICAL VACANCIES.

The following vacancies are announced.

- BIRMINGHAM BORO' ASYLUM.—Resident Clinical Assistant. Board an residence. Applications to E. B. Whitcomb, Esq., Medical Superintendent.
- BRADFORD INFIRMARY AND DISPENSARY.—Dispensary Surgeon. Salary, £100 per annum, with board, etc. Applications by April 16th, to the Secretary.
- BRISTOL ROYAL INFIRMARY.—Assistant Resident Medical Officer. Salary, £80 per annum, with board, etc. Applications by May 3rd to the Secretary.
- CARMARTHEN INFIRMARY.—House-Surgeon. Salary, £100 per annum, wi h board, etc. Applications by May 12th to Mr. H. Howells, 11, Morley Street, Carmarthen.
- CHELSEA, BROMPTON, AND BELGRAVE DISPENSARY.—Surgeon. Applications by April 28th to A. Hepburn, Esq.
 CHESTER GENERAL INFIRMARY.—Visiting Surgeon. Salary, £80 per annum, with board, etc. Applications by April 29th to the Chairman of the
- CITY OF LONDON HOSPITAL FOR DISEASES OF THE CHEST.-Resident Clinical Assistant. Applications by April 21st to the Secretary, 24, Finsbury Circus, E.C.
- CUMBERLAND INFIRMARY.—Assistant House-Surgeon. Salary, £40 per annum, with board, etc. Applications by April 22nd to the Secretary.

 EVELINA HOSPITAL FOR CHILDREN, Southwark Bridge Road, S.E.—House-Surgeon.
- Surgeon. Salary, £70 per annum. Applications by April 25th to the Committee of Management.
- GOREY UNION.—Medical Officer Gorey Dispensary District. Salary, £120 per annum, and fees. Election on April 16th.
 GREAT NORTHERN CENTRAL HOSPITAL, Caledonian Road, N.—Aural Sur-
- geon. Applications by April 22nd, to the Secretary.
- GREAT NORTHERN CENTRAL HOSPITAL, Caledonian Road, N.—Two Clinical Assistants. Applications by April 23rd to the Secretary.
- GUY'S HOSPITAL.-Two Assistant Physicians. Applications before April 27th to the Treasurer.
- HOSPITAL FOR CONSUMPTION AND DISEASES OF THE CHEST, Brompton.

 Resident Clinical Assistant. Applications by April 16th to the Secretary.
- LIVERPOOL INFECTIOUS DISEASES HOSPITAL.—Resident Medical Officer. Salary, £85 per annum, with board, etc. Applications by April 26th to the Town Clerk, Municipal Offices, Liverpool.
- LIVERPOOL INFIRMARY FOR CHILDREN.—House-Surgeon. Salary, £85 per annum, with board, etc. Applications by April 30th to the Honorary Secretary.
- LONDON TEMPERANCE HOSPITAL, Hampstead Road, N.W.—Junior House-Surgeon. Applications by April 23rd to the Secretary. METROPOLITAN ASYLUMS BOARD, EASTERN FEVER HOSPITALS, Homerton, E.—Assistant Medical Officer. Applications by April 20th to the Clerk to the Metropolitan Asylums Board, Norfolk House, Norfolk Street,
- PADDINGTON GREEN CHILDREN'S HOSPITAL.—House-Surgeon. Salary, £80 per annum. Applications by April 16th to the Secretary.

 QUEEN'S HOSPITAL, Birmingham.—Obstetric and Ophthalmic House-Surgeon.
- Applications by April 23rd to the Secretary.
- ROYAL GENERAL DISPENSARY, Bartholomew Close, London, E.C.-Resident Medical Officer. Salary, £130 per annum. Applications by April 18th to the Secretary.
- SAINT PANCRAS INFIRMARY, Dartmouth Park Hill, Highgate, N.W.—Dispenser. Salary £100 per annum. Applications by April 18th to A. A. Millward, Esq., Vestry Hall

SCARBOROUGH FRIENDLY SOCIETIES MEDICAL ASSOCIATION .- Medical Officer. Salary, £200 per annum, and fees. Applications by April 21st to Hugh Watson, Esq., St. Mary's Walk, Scarborough.

SMEDLEY'S HYDROPATHIC ESTABLISHMENT, Matlock Bridge, Derbyshire. -Junior Resident Physician. Salary, £150 per annum. Applications by April 16th to the Secretary.

UNIVERSITY OF CAMBRIDGE.-John Lucas Walker Studentship in Pathology. – Annual value £250, for three years. Applications by May 31st to Professor Roy, Trinity College, Cambridge.

WHITECHAPEL UNION INFIRMARY.—Assistant Resident Medical Officer.
Salary, £150 per annum, with furnished apartments, etc. Applications by
April 23rd to W. Vallance, Esq.

MEDICAL APPOINTMENTS.

- ABBOTT, C. E., M.R.C.S., L.K.Q.C.P.I., re-appointed Medical Officer of Health for the Braintree Rural Sanitary District.
- AVERILL, C., M.R.C.S., L.S.A., appointed Junior House Physician to the Macclesfield General Infirmary, vice J. Mc. H. Gell, M.B., C.M., resigned.
- Beckerr, John, M.D.Glas., M.R.C.P.Lond., appointed Physician to the Margaret Street Infirmary for Consumption and Diseases of the Chest.
- ELLIOTT, John, F.R.C.S., appointed Resident Surgical Officer to the Birmingham General Hospital, vice J. T. J. Morrison, M.B., F.R.C.S., resigned.
- General Hospital, vice J. T. J. morrison, M.B., F.R.C.S., resigned.

 Gault, Arthur H., L.R.C.P.Lond., M.R.C.S., appointed House-Surgeon to the Ashton-under-Lyne District Infirmary.

 Gelston, John Seymour, L.R.C.S.I., L.M. and L.K.Q.C.P.I., etc., appointed Medical Officer to the first district of the Thingoe Union, vice A. F. Stevens, M.R.C.S., L.R.C.P., resigned.

 Keir, W. I., F.R.C.S., L.R.C.P., re-appointed Medical Officer of Health to the Melksham Urban Sanitary Authority, Wiltshire.
- Macdonald, John, M.B., C.M.Ed., appointed House-Surgeon and Apothecary to the Northern Infirmary, Inverness, vice J. W. Black, M.B., C.M.Ed., resigned.
- MENZIES, William Francis, M.B., C.M.Ed., appointed Assistant Medical Officer to the Lancashire County Asylum at Rainhill.
- PRANKERD, Dr., appointed Assistant House-Surgeon to the Royal South Hants Infirmary, vice T. Pagden, M.R.C.S., resigned.

 SHAW, Harold, B.A., M.B., M.C.Cantab., appointed Assistant Medical Officer to the Gloucester County Asylum, vice Harding H. Tomkins, M.R.C.S., L.R.C.P.,
- SOUTHERN, John Acton, M.R.C.S., L.R.C.P., L.S.A., appointed House-Surgeon to the Derbyshire General Infirmary, vice E. C. Green, M.R.C.S., L.R.C.P., resigned.
- Swan, Walter, L.R.C.S.I., L.A.H.D., and L.M.Dub., appointed Medical Officer to the Monaghan Union, vice Wm. Woods, L.K.Q.C.P.I., deceased.
- SYMES, E. West, M.D., M.R.C.S., appointed Surgeon to the Waterhouse's Charities and Blue Coat School, Halifax, vice Sol. Smith, M.R.C.S., etc., resigned.
- WINTER, E. Thompson, L.R.C.P., L.R.C.S., appointed Medical Officer to the Children's Hospital and Dispensary, Manchester, vice Wilton Mills, M.R.C.S., resigned.

SANITARY REGISTRATION.—The first meeting of the conference of the representatives of various sanitary and other bodies, convened for the consideration and discussion of the subject of sanitary registration, was held recently at 5, Argyll Place, Regent Street, when Sir Joseph Fayrer was appointed President of the Conference. The first resolution, proposed by Mr. Rutherford, seconded by Mr. T. Holmes, and carried, recognised the necessity which exists for the sanitary registration of buildings in the interests of the public health. Sir Vincent H. Kennett-Barrington proposed "That it is desirable that the law should forbid any building being used for public or semi-public purposes unless and until the arrangements for the water supply, drainage, and ventilation of such building have been certified as satisfactory by some qualified person." This resolution was passed, as was also a motion, moved by Mr. Mark Judge and seconded by Sir H. E. Roscoe, "That the provision of a public sanitary register for the voluntary registration of private houses would be instru-mental in promoting sanitary improvements." At a meeting of the Sanitary Assurance Association a lecture on this subject was given by Sir V. H. Kennett-Barrington.

THE QUEEN'S JUBILEE HOSPITAL.—The following is the list of appointments to the "Queen's Jubilee Hospital," Gloucester Terrace, Queen's Gate, S. W.: J. L. W. Thudichum, M.D., F.R.C.P.Lond., etc., Physician to the Nose and Ear Departments; T. Frederick Pearse, M.D., M.R.C.S., etc., Physician to the Skin Department; Kenneth W. Millican, B.A.Cantab., M.R.C.S., etc., Surgeon to the Throat Department; R. Fitzroy Benham, M.R.C.S., Surgeon to the Rectal and Orthopædic Departments; Basil Woodd Walker, M.D., M.R.C.S., Surgeon to the Ophthalmic Department; Septimus Sunderland, M.D.,

M. R. C.S., Registrar and Anæsthetist. DEATH FROM HYDROPHOBIA.—A girl, aged 12, died from hydrophobia in Macclesfield Infirmary a few days ago. She was bitten on the wrist by a dog in December last. The wound was treated in the The child enjoyed her ordinary health till three days usual way. before her death, when she complained of feeling giddy.

THE Earl of Powis has been re-elected President of the Shrewsbury Provident Dispensary.

LAUDANUM Poisoning. — An army pensioner, of intemperate habits, died recently from the effect of an overdose of laudanum taken to induce sleep. It was stated by Dr. Forsythe, who was called in to see the deceased, that the man had taken in two doses 6 drachms of laudanum. Dr. Forsythe's assistant, by whom the laudanum was supplied, was censured for disobeying his employer's orders in supplying so large a quantity of laudanum to the deceased.

SOCIETY OF APOTHECARIES OF LONDON.—The results of the examination in arts, held at the Hall of the Society on March 3rd and 4th lest, have recently been published. There were 204 candidates, and from the Pass List it appears that 2 were placed in the first class, 44 in the second class, and 116 were certified as having passed in some of the subjects, but not in all. The number of candidates was larger than on any former occasion, though the examination is held four times annually.

LONDON CABMEN AND LONDON HOSPITALS.—Sir Edmund Henderson, K.C B., presided last week at a meeting of members of the London Cab Trade, held for the purpose of directing attention to the cab trade collection in aid of the Hospital Saturday Fund. The amount realised by the first collection of 1885 was £169; last year it

A CENTENARIAN. - Mrs. Alice Ann Bosworth, widow of an agricultural labourer, mother of ten children, has just died at Worcesterin, it is said, her 103rd year. She had been in receipt of parish relief for twenty years, and lived in one of the most unhealthy parts of the city. Her sight was perfect until within the last three months, and she was a little deaf, but in other respects retained her faculties to the last.

St. Andrews Ambulance Association.—Thirty-eight members of the Leith Police Ambulance Class have gained certificates at an examination conducted under the auspices of the St. Andrews Ambulance Association. At the close of the distribution, Dr. Garland was presented with a handsome pair of candelabra, in recognition of his services as lecturer.

JUBILEE HOSPITAL ENDOWMENT.—The Queen's Jubilee is to be commemorated at Dover by the building of a new hospital, at a cost A large portion of the money has already been subof £5,000.

STRAY Dogs.—According to an official police return the number of stray dogs taken by the police during the month of March to the Dogs' Home was 1,246. Twelve were killed in the street as mad or ferocious; two were said to be infected with rabies. Sixty-five persons, including two constables, were bitten by dogs during the month.

MR. W. STANGER, F.R.C.S., and Mr. J. W. WALKER, M.R.C.S., L.R.C.P.Lond., have been elected honorary surgeons to the Clayton Hospital, Wakefield, in the place of Mr. Fowler, who has resigned on account of ill-health.

THE King of the Belgians, accompanied by Sir Edmund Currie, paid a visit to the London Hospital, Whitechapel, on Tuesday, April 5th, and inspected many of the wards, when he expressed himself highly pleased with the excellent arrangements.

DR. WARNER will give his course of six lectures for the Froebel Society, on "Our Children: How to Study Them," at the Physical Training College, Hampstead; at 13, York Place; and at 10, Norland Place, Uxbridge Road.

MISS E. PECHEY, M.D., and Miss C. ELLABY, M.D., have been appointed first and second physicians respectively of the Pestanji Hormasji Kama Hospital for Women and Children, Bombay.

SUCCESSFUL VACCINATION .- Mr. J. H. Hughes, L. R. C.P. Lond. and M.R.C.S. Eug., of Ombersley, has recently received a Government grant (for the sixth time) for the efficient state of public vaccination in the Ombersley district of the Droitwich Union.

MR. W. K. BURTON, sanitary engineer to the London Sanitary Protection Association, has been appointed by the Japanese Government Professor of Sanitary Engineering to the Imperial Institute, Tokio.

THE quarantine on arrivals from ports on the Danube and the shores of the Black Sea between Sulina and Bourgas has been replaced by a system of medical inspection.

TYPHOID FEVER AT GUADALOUPE. - Typhoid fever has broken out at Guadaloupe. It is supposed to have been brought by ships from

MEDICAL MAGISTRATES. - Dr. R. L. Bowles, of Folkestone, Mr. H. J. Roberts, M.R.C.S., of Pen-y-groes, and Mr. Robert Spence, M.B. Craigkennochy Burntisland, have been placed on the Commission of the Peace for Kent, Carnarvonshire, and Fifeshire respectively.

BIRTHS, MARRIAGES, AND DEATHS.

The charge jor inserting announcements of Births, Marriages, and Deaths is 3s. 6d. which should be forwarded in stamps with the announcement.

BIRTHS.

West.-On April 7th, at 113. King Henry's Road, N.W., the wife of J. Arthu: West, M.R.C.S., L.R.C.P., of a son.

MARRIAGES.

FULLER—BLACK.—On April 12th, at St. Marylebone Church, Henry Roxburgh Fuller, M.D.Cantab., only son of the late Henry William Fuller, M.D., of 13, Manchester Square, to Julia Louisa, second daughter of the late Patrick Black, M.D., of 11, Queen Anne Street, W.

WHITE—CHALMER.—April 13th, at Christchurch, Fulwood, Sheffield, by the Rev. A. G. Tweedie, M.A., John Sinclair White, M.D., F.R.C.S., to Evelyn, only daughter of Frederick Chalmer.

DEATH.

EGAN.—April 3rd, at Whitehaven, Dr. John Johnstone Egan, late Surgeon in the Peninsular and Oriental Steam Navigation Company's Service, son of the Reverend J. J. Egan, Incumbent of Denylane, Diocese of Kilmore, co. Cavan, aged 31 years.

MEETINGS OF SOCIETIES DURING THE NEXT WEEK.

MONDAY.—MEDICAL SOCIETY OF LONDON. Mr. C. B. Lockwood will read a paper on a Mode of Restraining Hamorrhage during Operations upon the Tongue. Mr. H. H. Clutton: A Case of Catheter and Calculus Removed by Lithotrity. Dr. Angel Money: Renal Sarcoma in Infancy; is Surgery Justifiable?

TUESDAY.—ROYAL STATISTICAL SOCIETY, LONDON, 7.45 P.M. The sixth ordinary meeting of the present session will be held at the Royal School of Mines, 28, Jermyn Street, S.W., when the following paper will be read: Class Mortality Statistics, by N. A. Humphreys, Esq.

read: Class Mortality Statistics, by N. A. Humphreys, Esq.

PATHOLOGICAL SOCIETY OF LONDON, S.20 P.M. Messys. Bowlby,
Lockwood, W. Adams, Morgan, and Shattock: Specimens Illustrative of Congenital Dislocation of the Hip. Mr. Lunn: Disease
of the Humerus. Mr. Shattock: Fibrous Metaplasia of Bone.
Dr. A. H. Robinson: Osteitis Deformans. Mr. Hutchinson: Destructive Arthritis of Knee, without Suppuration. Mr. Hutchinson,
junn: Sarcoma (?) of Knee. Dr. Pitt: Carcinoma of Spine and
Liver. Dr. Coupland and Dr. Pastenr: Diffuse Sarcoma of Spinal
Pia Mater (two cases). Dr. Magnire: Interstitial Aneurysm of the
Interauricular Septum. Card Specimens.—Mr. Fenwick: Tumour
of the Bladder. Dr. Wilcocks: Congenital Malformation of the
Heart Mr. Shattock: Tuberrulous Disease of the Skin. Heart. Mr. Shattock: Tuberculous Disease of the Skin.

MEDNESDAY.—Royal Meteorological Soliety, 7 p.m. Mr. Charles Harding:
The Storm and Low Barometer of December 8th and 9th, 1886.
Mr. G. Chatterton, M. A., M. Inst. C. E.: Report of the Wind Force
Committee. Mr. W. H. Dines, B. A.: A New Form of Velocity
Anemometer. Mr. G. M. Whipple, B.Sc.: Description of Two
Maximum Pressure Registering Anemometers.
THURSDAY.—The PARKES MUSEUM OF HYGIENE, 5 p.m. Mr. Alfred Fryer,
On Dust and Ashes: How to deal with them. Mr. Charles
Hawksley M. Unst. C. E., in the chair.

Hawksley, M.Inst. C.E., in the chair.

HARVEIAN SOCIETY OF LONDON, 8.20 P.M. Mr. F. Treves The Treatment of Wounds. Dr. W. B. Hadden: Demonstration on Pathological Changes in the Brain and Spinal Cord.

on Pathological Changes in the Brain and Spinal Cord.

FRIDAY.—CLINICAL SOCIETY OF LONDON, S.30 P.M. The following papers will be read.—Mr. Bilton Pollard: Three Cases Illustrating the Difficulties in Establishing Natural Respiration after Trachectormy and their Trachentormy Tracheal Catheterisation. Mr. Meredith:

A Case of Large Omental Lipoma, successfully Treated by Abdominal Section. Mr. Godlee: Some Cases of Abdominal Cyst following Injury Mr. B. Pitts: Abdominal Exploration for Chronic Intestinal Obstruction: Relief of Symptoms by Artificial Anus: Subsequent Removal of a Growth Involving Splenic Flexure of Colon: Recovery.

LETTERS, NOTES, AND ANSWERS TO CORRESPONDENTS.

COMMUNICATIONS respecting editorial matters should be addressed to the Editor, 429 Strand, W.G., London; those concerning business matters, non-delivery of the JOHRNAL, etc., should be addressed to the Manager, at the Office, 429, Strand, W.C., London.

in order to avoid delay, it is particularly requested that all letters on the editorial business of the JOURNAL be addressed to the Editor at the office of the JOURNAL, and not to his private house.

AUTHORS desiring reprints of their articles published in the British Medical Journal, are requested to communicate beforehand with the Manager, 429, Strand, W.C.

CORRESPONDENTS who wish notice to be taken of their communications, should authenticate them with their names—of course not necessarily for publication. CORRESPONDENTS not answered, are requested to look to the Notices to Correspondents of the following week.

PUBLIC HEALTH DEPARTMENT.—We shall be much obliged to Medical Officers of Health if they will, on forwarding their Annual and other Reports, favour us with Duplicate Copies.

MANUSCRIPTS FORWARDED TO THE OFFICE OF THIS JOURNAL CANNOT UNDER ANY OIRCUMSTANCES BE RETURNED.

A METHOD OF APPLYING CUCAINE IN TOOTHACHE.

Dr. SCUDAMORE POWELL writes: On several occasions I have found that the application of a solution of cucaine, 4 per cent, to a carious tooth has given almost instantaneous relief from the most severe suffering. The greatest benefit of all has followed the introduction of a tabloid of cucaine, one-sixth of a grain, covered with a little cotton-wool, into the cavity of a tooth, or alongside the gum. The dry drug is preferable, as then a concentrated and certain quantity is applied directly to the parish larget in a few seconds a numbers is 61 and is applied directly to the painful spot; in a few seconds a numbness is felt, and simultaneously the pain vanishes. The tabloids are minute discs, and are made by Messrs. Burroughs and Wellcome.

PERMANENT FEHLING'S SOLUTION.

PERMANENT FRHLING'S SOLUTION.

DR. J. M. McCulloci...-Perhaps the directions given at page 809 of the Journal of April 9th would be plainer if written in prescription form, thus: Sol. A.: B. Cupri sulph (cryst.), grs. 181; aquæ ad., 5vi. Sol. B.: B. Rochelle salt, grs. 728; caustic sods, grs. 400; aquæ ad., 5vi. When Fehling's solution is required mix equal volumes of Sols. A. and B. The directions concerning the specific gravity of the sods solution were given to bring the formula in accord with one given by Dr. Pavy, in which a solution of soda of the specific gravity corresponding with 100 crains of sodie hydrate to the fluid ounce is directed to corresponding with 100 grains of sodic hydrate to the fluid ounce is directed to

be used.

THE PHYSICAL EDUCATION OF GIRLS.

DR. J. FIELDEN HOWARD (Sandycroft, Shaw) writes: In the main I am in accord with Dr. Badden's views upon the physical training of girls; but, in his sweeping condemnation of schools in general, I think if he had not a word in praise of an institution (the Ladies College, Cheltenham), with which he cannot but be well acquainted, at least he might have meted out a measure of justice. Had he seen, as I a few days ago saw, the large body or girls trooping out of the large hall after morning prayers, their healthy, happy appearance, the anæmia he speaks of conspicuous only by its absence, I think he would have been disposed to somewhat qualify his remarks. I have three girls now attending the College, one of them for the last four years; their health during the whole time has been excellent, and their physical development satisfactory. During this time they have also had the experience of two boarding-houses, both large and commodious, and in each case there has been a large tennis-court attached, of which the girls have constantly availed themselves, as well as frequent long walks into modious, and in each case there has been a large tennis-court attached, of which the girls have constantly availed themselves, as well as frequent long walks into the country; these exercises, together with the prescribed gymnastic lessons, dancing, swimming, etc., I think give the College council a just claim to be thought not to have entirely overlooked the development of the body in their anxiety-for the girls' mental progress.

PIANISTS' CRAMP.

RICHARD NEALE, M.D.Lond., writes: As Mr. Haward points out in the JOURNAL of March 26th, page 672, cases coming under the definition of the above appear to be rather numerous. During the last year or eighteen months several such cases have fallen under my observation, and in each case very rapid improvement has followed the application of the percuteur, which has seemed to me to yield far quicker and more satisfactory results than massage could possibly have done. In each case I have not advised discontinuance of piano playing, although the time devoted to practice has been curtailed. done. In each case I have not advised disconting the time devoted to practice has been curtailed.

DISLOCATION OF THE SHOULDER IN THE HORSE.

MR. HENRY HORTON (Bromyard) writes: Mr. Noble Smith's case brings to mind

AR. HENRY HORTON (Bromyard) writes: Mr. Noble Smith's case brings to mind a similar one which occurred to me in South Australia in 1869. It was on the occasion of a "kangaroo hunt" in honour of the then Governor, Sir James Fergusson, by whose side I was riding when the accident occurred, through my horse putting his left fore-foot into an unseen wombat hole. I had no chloroform, and we were too far from either camp or town to get any. The only movement the horse made was to pull his foot out of the hole, and, most fortunately, at that moment our huntsman and several others, whom His Excellency and myself had outridden, came up. Besides being our huntsman he was an old trooper, so I made him chief assistant, and he with three others took charge of the limb and simply kept up extension, whilst I made the horse do his own part in the reduction by means of the bit. In a very few minutes the result was, as Mr. Smith so graphically puts it, both seen and heard, His Excellency exclaiming that he had never seen such a thing done before, and trying to persuade to return to camp; but instead of doing so I remounted, and walked the horse quietly into a tank of water which was close by, and took him round it several times. I finished a good day's hunting, taking home six tails of my own killing. The next day I did my work with him in my buggy, and he never had a quietly into a tank of water which was close by, and took film round it several times. I finished a good day's hunting, taking home six tails of my own killing. The next day I did my work with him in my buggy, and he never had a bad symptom. The next year I sold him to a lawyer, who rode him seventy miles the next day, gave him one day's rest, with precious little to eat, and then rode him the seventy miles back.

ERRATA.—In the description of Fig. 4 illustrating Dr. Priestley's second Lumleian lecture, published in the Journal of April 9th, "showing by a line cells escaping from the ruptured capsules" should be "showing hyaline cells escaping from the ruptured capsule."—Mr. Sidney Barwise was incorrectly described in the Journal of April 9th as "Late Resident Surgical Officer, General Hospital, Birmingham."

COMMUNICATIONS, LETTERS, etc., have been received from:

Mr. A. H. Gault, Ashton-under-Lyne; Mr. C. E. Abbott, Braintree; Mr. C. B. Lockwood, London; Dr. F. P. Atkinson, Surbiton; Mr. T. Nixon, Lincoln; Mr. M. H. Judge, London; The Honorary Secretary of Mercer's Hospital, Dublin; Mr. H. B. Blackburn, London; Dr. G. H. Savage, London; Mr. E. A. White, Wolverhampton; Dr. J. W. Moore, Dublin; Dr. H. Dalton, Harrogate; Mr. J. S. Gelston, Ixworth; Dr. J. S. Hamilton, Hilkooshu, Oudh; Mr. W. Stanger, Wakefield; Mr. R. Bayley, Kingston-on-Thames; Mr. A. E. Grant, Edinburgh; Mr. W. F. Menzies, Rainhill; Mr. C. H. Harris, Whitehaven; Dr. Holden, Preston; Mr. D. Duke, St. Leonards-on-Sea; Dr. J. Keser, London; Mr. G. P. Field, London; Dr. E. W. Symes, Halifax; Mr. A. White, Brecon; Mr. S. Snell, Sheffield; Surgeon-Major Fishbourne, Lewisham; Mr. S. Bourne, Birmingham; Surgeon-Major J. G. Rogers, Cairo; Mr. H. R. Fuller, London; Mr. E. Owen, London; Surgeon-General Maclean, Southampton; Brigade-Surgeon Gore, Cairo; Mr. J. Hull, jun., Glasgow; Mr. T. L. Jordon, Sutton Bonington; Senectutus; Skinner and Co., London; Surgeon-Major Riordan, Cairo; Mr. W. A. G. Laing, Barnstaple; Mr. E. C. Greenwood, London; Dr. Warner, London; Dr. H. Cunningham, Dumfries; Mr. V. Jackson, Wolverhampton; Dr. Ewart, London; Mr. L. Knaggs, Huddersfield; Mr. J. Holmes, Radcliffe; Mr. M. F. Bush, Bristol; Dr. J. A. West, London; Mr. J. Topping, London; Dr. H. Lewis, Folkestone; Dr. J. Ackman, Guernsey; Dr. Willoughby, London; Dr. G. Dabbs, Shanklin; Dr. J. H. Scott, Camberley; The Woodhouse and Rowson Electric Supply Company, London; Dr. J. Kirkpatrick, Edinburgh; Dr. J. M. Gaston, Atalanta; Dr. D. A. Fraser, Totnes; Mr. F. D. Hamilton, London; Mr. Booth Clarkson, Liverpool; Mr. J. H. Neale, Leicester; Dr. F. A. A. Smith, Cheltenham; Dr. Thin, London; Our Vienna Correspondent; Dr. C. F. Knight, Dublin; Dr. F. Fox, Strathpeffer Spa, N.B.; Sir J. Paget, Bart, London; Surgeon-Major Cuffe, Dum-dum, Calcutta; Dr. J. F. Caiger, London; Dr. J. M. McCulloch, Dumfries; Dr. R. B. Nicholson, London; Mr. H. J. Nicholson, London; Mr. S. Murphy, London; Dr. Carline, Leicester; Mr. R. Spence, Burntisland; Mr. J. Hogan, Netley; Mr. A. M. Kavanagh, Egypt; Mr. J. Singer, Trieste; Mr. F. Whitwell, Shrewsbury; Mr. J. Manley, West Bromwich; Mr. H. Horton, Bromyard; Dr. Vintras, London; Dr. P. J. Freyer, Mooradabad, India; Dr. C. J. Francis, London; Dr. J. Grieco, Foggia; The Secretary of the Devonshire Hospital, Buxton; The Charity Record, London; Mr. Jai Gopal, Lahore; Dr. Glover, London; Mr. W. Marriott, London; Mr. J. W. F. Rogers, London; Dr. S. Powell, London; Dr. H. Lewis, Folkestone; Mr. C. F. Smyth, London; Mr. H. A. Thomson, Edinburgh; Mr. J. Maitland, London; Dr. Ward Cousins, Southsea; Dr. Imlach, Liverpool; Mr. W. Taberner, Wigan; Mr. L. Humphry, Cambridge; Mr. F. J. Peall, St. Leonards-on-Sea; Mr. M. Thomson, Boxmoor; Dr. S. D. Wells, Plymouth; Mr. T. N. Thomas, London; Mr. Harris, Whitehaven; Dr. W. F. Haslam, Birmingham; Dr. A. Downes, Cheltenham; Mr. D. W. Orr, Lindley; Surgeon-Major Finlay, Aldershot; Mr. S. P. Shield, Cork; Mr. T. D. Cook, Torquay; Dr. B. B. Joll, Liverpool; Dr. C. E. Glascott, Manchester; Mr. A. W. Nankivell, Chatham; Dr. M. Handfield-Jones, London; Dr. Robert Barnes, London; Mr. R. Clement Lucas, London; Mr. A. E. Barrett, London; Mr. M. E. Farmer, Dublin; Dr. R. J. Heatley, Sunderland; Mr. E. H. Davis, West Hartlepool; Dr. Gubb, London; Dr. E. O. Daly, Hull; Mr. J. Cantlie, London; Dr. T. T. Troosewich, St. Petersburgh; Dr. R. P. Harris, Philadelphia; Surgeon-Major R. G. Thomsett, Gibraltar; Dr. De Watteville, London; Dr. M. G. Evans, Cardiff; Mr. J. J. Egan, Beltarbet; Mr. H. Burton, London; Mr. B. D. Taplin, Radcliffe-on-Trent; The Secretary of the Jacob Testimonial Fund, Dublin; Mr. T. P. Hunt, London; Mr. R. W. Murray, Pendlebury; Messrs. Burgoyne and Co., London; The Secretary of the Sanitary Assurance Association, London; Dr. Tatham, Salford; The Secretary of the Queen's Jubilee Hospital, London; Mr. G. A. G. Simpson, London; Miss Allen, Nottingham; Messrs. Calvert and Co., Manchester; Mr. C. M. Jones, Troedyrhiw; Dr. C. R. Illingworth, Accrington; Dr. Coates, Streatham; Mr. N. A. Humphreys, London; Dr. F. J. Savery, London; Surgeon E. Harold Fenn, London; Mr. R. T. Grubb, Harlow; Dr. P. Boulton, London; Dr. G. Henty, London, etc.

BOOKS, ETC., RECEIVED.

A Text Book of Pharmacology, Therapeutics, and Materia Medica. By T. Lauder Brunton, M.D., D.Sc., F.R.S. Adapted to the *United States Pharmacoporia* by F. H. Williams, M.D. Third Edition. London and New York: Macmillan and Co. 1887.

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