

MEMORANDA: MEDICAL, SURGICAL, OBSTETRICAL, THERAPEUTICAL, PATHOLOGICAL, ETC.

THE THERAPEUTIC VALUE OF EXALGINE.

ON reading Dr. Atkinson's article in the JOURNAL of June 14th, in which he stated his experience of this drug, and his conviction that it is valueless, one is struck by the fact that two out of the three patients upon whom he tried it habitually took morphine for the relief of their pain, and the third derived most benefit from butyl chloral. Now, it is a well-known fact, that patients of this class will hardly ever admit that anything does them good but the narcotic to which they are accustomed.

I must say that my own experience of exalgine has been a very different one from that of Dr. Atkinson. I have found that from one to three grains have given great relief in about 70 per cent. of the cases where I have tried it. In some cases the relief was permanent after a very few doses.

The following brief notes selected from a few of my successful cases will sufficiently indicate the conditions under which it may be expected to do good. The numbers appended to the cases do not denote the order in which they occurred, but are put simply for convenience and to avoid giving initials.

Locomotor Ataxy.—CASE I.—Male, aged 50. Married. No history of syphilis. Disease of five years' duration. Moderate ataxia. Symmetrical myosis. Absence of knee jerk. Lightning pains very severe, commenced four months ago. Exalgine three grains every four hours. Second dose relieved, fourth completely removed pains. Medicine continued for four days and the pains have not yet returned.

CASE II.—Female aged 39. Disease of two years' duration. No inco-ordination. No myosis. Right pupil dilated. Girdle pain, numbness of feet, and lightning pains. Absence of knee-jerk. Exalgine in two-grain doses three times a day. After three days' treatment lightning pains have disappeared, but girdle pain remains. Medicine continued for week. Pains have not returned.

CASE III.—Man aged 44. Duration of disease thirteen years. For the last five years has had a gastric crisis regularly every month. Considerable ataxia and myosis. Partial loss of control over bladder. Gastric crisis accompanied with vomiting and very acute pains resembling the passage of a gall stone. Exalgine in one-grain doses every half hour directly the crisis commenced relieved after the second dose. After the fifth dose the attack ceased. The patient escaped the next two attacks by taking three grains three times a day, commencing two or three days before the attack was expected. Unfortunately he then went abroad and was lost sight of.

Trifacial Neuralgia.—Man aged 32. Suffered from tic douloureux on the left side for seven years. Attacks occurred in series of paroxysms every few minutes and lasted the best part of a day. He was then free for two or three months. During his last attack he took three grains of exalgine every two hours, with the result of arresting the paroxysm after the second dose.

Sciatica.—Lady aged 40. Has had sciatica on right side for six weeks, the result of exposure to cold. Exalgine three grains three times a day removed the pain in two days.

Herpes Zoster.—My friend, Mr. T. Wingrave, has recently given exalgine with complete success in a case of herpes zoster with intense pain lasting for a month after the eruption had ceased. He gave three grains every four hours. After the third dose the pain was greatly relieved. The patient completely recovered after taking the drug for a week. I may mention that in this case both morphine and antipyrin had been tried without success.

GEORGE HERSCHBLL, M.D.Lond.

Finsbury Circus, E.C.

THE interesting note on this subject in the JOURNAL of June 14th, p. 1366, by Dr. Atkinson, tempts me to make a memorandum of my experience with the drug, even though this is limited to one case only. It is one of cancer of the liver, complicated with the most excruciating attacks of neuralgia of the face and head that I ever remember to have met with, and for which I tried everything that could reasonably be expected to give relief, without influencing in the least degree those really terrible attacks. If the sufferer fell asleep from sheer narcotism, the pains were still with him in his dreams, and life was simply intolerable. I then thought

of exalgine, and gave it him in two-grain doses, with the magical result that the first dose eased him, and the second, given two hours thereafter, completely cured him, for from that day to this, more than three months ago, he has never again suffered the slightest twinge of pain, either in face or head.

This is the only occasion on which I have administered the drug, and though I may, and probably shall, meet with a rebuff on some future occasion, I shall always hold my first trial with it in very grateful remembrance.

Gainsborough.

J. FARRAR, M.D.

A CASE OF VERY SLIGHT DIPHTHERIA SUCCEEDED BY SEVERE PARALYSIS.

THE following case of diphtheritic paralysis is a striking example of the absence of relationship between the severity of the primary symptoms and the secondary paralytic phenomena. The patient, A. R., aged 41, had been engaged uninterruptedly as charge-nurse in the diphtheria wards for upwards of 18 months. On March 13th she was noticed to have paroxysmal convergent strabismus, both eyes being affected. She was advised to go off duty, but persisted that it was of no moment. The paroxysms increased in frequency, and she then lost some power over the hands. There was at the time slight anaesthesia of the palate. The throat was quite clear, and the urine showed a heavy trace of albumen. The patient was ward on the 16th, as the squinting increased and the legs began to drag.

On being pressed she acknowledged having had a sore throat about six weeks before, but made no complaint, considering it a simple sore throat. She also confessed to having seen two very minute patches, one on each tonsil. At the same time there had been headache, shivering, and vomiting, but she had made no complaint of feeling ill and had continued her work in the ward.

On March 19th there was hyperaesthesia of the forearms. The urine was small in quantity and contained more albumen. Two days later she complained of numbness in the legs and a feeling "as if wool were between the fingers and in the palms of the hands." The loss of power in the arms and legs became more and more marked, and on the 24th there was entire loss of sensation in the lower limbs and partial in the arms. The pupils were much contracted, and the power of accommodation greatly impaired. The knee reflexes were absent. The temperature was persistently subnormal, varying from 95.4° to 98°, averaging 96.8°. The pulse kept very small, and there were several attacks of syncope. The patient passed bad nights and slept very little. The motor paralysis became extreme, and on March 25th galvanism was commenced, and by the 30th there was distinct improvement in the motor power, but the anaesthesia persisted. The urine was now free from albumen. On April 6th, the reactions of the pupils began to improve, and on the 12th the squint had practically disappeared. There was still absolute anaesthesia of the arms, and total insensibility to pain. By the 20th she was able to sit up, but quite powerless to stand. Vision, which had been again much impaired for some days, began to improve. On the 25th, the knee-jerk was normal, and the patient could read for a short time, after which "the letters would all run together." She was still unable to stand. On the 30th, she could take a step or two with assistance, and by May 7th, by the aid of crutches, was able to walk some yards. Sight was still by no means clear. Sensibility was almost normal all over the body. From this date the patient rapidly improved, the left leg still dragging a little when she went away to the seaside on May 21st. She is now reported as able to walk without the aid of a stick.

The treatment consisted in free stimulation on account of the threatened cardiac failure and the administration of iron and strychnine. The diet throughout was as liberal as one as the patient was able to take. Galvanism was rapidly followed by signal improvement of the motor power.

Summarising the above history, the four points of interest that apparently present themselves are:

1. The local manifestation of the disease was so slight as to be out of comparison with the great systemic disturbance that ensued.

2. That susceptibility to attack varies in different individuals in a remarkable way is admitted, but in this case exposure to the specific virus was long continued and constant. Evidence of disordered state of health was wanting.

3. Whether the poison was inhaled, swallowed, or gained access by means of a wound, no distinct evidence existed, but circum-

stances pointed to the second as the most probable mode of infection.

4. The unusually rapid manner in which the grave paralytic symptoms passed away, leaving the patient in a fairly robust state of health.

W. GAYTON, M.D., M.R.C.P. EDIN., Medical Superintendent
North-Western Fever Hospital.

REPORTS OF SOCIETIES.

NOTTINGHAM MEDICO-CHIRURGICAL SOCIETY.

MONDAY, JUNE 2ND, 1890.

JOSEPH WHITE, F.R.C.S., President, in the Chair.

Nephrotomy.—Dr. ELDER read notes of a successful case of nephrotomy in a young man. The operation was performed for pyonephrosis, and the patient recovered without a bad symptom.

Abdominal Section.—Dr. ELDER also read notes on a case of abdominal section for effusion, due to so-called tubercle of the peritoneum, which was followed by recovery, though the patient had since developed symptoms of peritoneal adhesion.

Two Cases of Venous Thrombosis.—Dr. C. H. CATTLE read a paper on this subject. The first case was that of a girl, aged 20, anæmic, but otherwise healthy. She was taken ill suddenly with symptoms of peritonitis, limited to the right half of the abdomen. The cæcum could not be felt. The inflammation subsided, and was followed by tense, elastic swelling of the right lower limb, the condition of which exactly simulated puerperal phlegmasia. The left leg next became similarly affected; but in about four weeks all swelling had disappeared, and the case ended in recovery. The rarity of cases of true phlegmasia, apart from childbed, was remarked upon; and a distinction drawn between obstruction of a trunk vein occurring in the course of lingering illnesses, and phlegmasia dolens, in which both veins and lymphatics were obstructed, and which occurs in acute febrile states. The second case was that of a married woman, aged 56, who suffered from repeated attacks of jaundice and hepatic colic, thought at first to be due to gall-stones. This proved to be erroneous, and the patient died of a suppurating hydatid cyst after over three months' illness. During the earlier stages of the illness, before the liver was obviously enlarged, the right femoral vein became thrombosed. The cause assigned for this was a vicious state of the blood, aided by malnutrition and feeble cardiac action. The paper concluded with a brief summary of opinion on the physiology of coagulation.

REVIEWS AND NOTICES.

THIS NOTANDUMS; being the Literary Recreations of Laird Canticarl of Mongrynen.....To which is appended a Biographical Sketch of Mr. James Dunlop, F.R.S.Lond. and Edin., by JOHN SERVICE, L.R.C.S. and P.Ed. London and Edinburgh: Young J. Pentland. 1890. Pp. 222.

Whether the finding of these "Notandums" among the papers of the late Mr. Dunlop, as stated in their preface, be a fact or only one of those harmless mystifications indulged in by authors is not of much consequence. Of one thing we feel assured, the book was not written by a Scotch laird of the eighteenth century. Such words as "flunkey," applied to a footman, such a redundancy of phonetic Scotch as no pre-Waverley prose writer indulged in, such literary English in one poem as no untainted Scotch laird could have been capable of (except in the *Noctes Ambrosianæ*) prove the modern origin of the book, while the shrewd and true observations regarding medical practice among the poor smack far more of the L.R.C.P. than of the Colonial Astronomer Royal or of Laird Canticarl.

Be that as it may, however, the work has a right to be judged on its own merits irrespective of authorship, and in many parts it is both witty and amusing, for those who understand the Scotch *patois*. In others, however, its author falls into a mistake common to all writers in dialect, viz., that of imagining that when a dull or inartistic story is couched in dialect English it becomes witty and amusing. The chapter, for instance, called "The

Devil's Toddy," written in literary English, would be little else than dull and repulsive. The character of its jests, like those which roused the inextinguishable laughter of the Olympian deities, are somewhat coarse and unamusing to modern tastes. The humour of the scene begins with the admirable jest of the Provost knocking his head against that of a flunkey "which made his lordship (their host) real joco" and ends with the exquisite fooling of mixing boiling whisky instead of water with the guests' toddy so as to reduce all the diners to a condition of abject intoxication.

Some of the other jokes in the book remind us rather of the Southron Jo Miller than of the Laird of Mongrynen. Geordie Gantrees, for instance, whose wife was roused from a trance on her way to burial by the bearers jostling the coffin against a wall, and who bade those at her final funeral "haud aff the corner," is an old acquaintance. The pawnbroker, too, who bade his dead wife's bearers not go too fast, and so "make a toil of a pleasure," is not altogether a stranger, as nor is Pate Pinkie, who put his new-bought umbrella under his coat to shield it from the rain. The repartee of the doctor to the woman who asked him if the baby was tongue-tied, that it was "a lassock," is too well known to need embalming in printer's ink. On the other hand, as the point of the song called the "Whinny Lea" (if it have any) consists in its *double entendre*, it had better have been omitted altogether as inconsistent with modern taste and ideas.

It is only fair to say, however, that there is some shrewd humour and observation in the Laird's *Notandums*, in spite of these blemishes. Dr. Duguid's account of the therapeutic action of calomel is worth preservation, although we hardly expect Dr. Lauder Brunton to insert it in the next edition of his *Pharmacologia*: "Ye see, Laird, calomel is just like a policeman—a thief has gotten in, and the policeman is sent to pit him oot. 'Oot you go!' says the policeman, and if the thief's a wee ane he turns frichtet, and oot he goes. But if he's a big strang thief he stans his grun'. 'Oot you go!' says the policeman. 'No, I'll no!' says the thief. The policeman rins at him, and they begin to warsle, and they kick. A' that the policeman cares about is to get out the the thief; and whyles, between them, they warsle and they kick till they break the dykes, and when the dykes are broken, you're bye, ye ken—ouay! fairly bye!"

The same doctor's account of the sorrows of a general practitioner is very good, and will appeal to the experience of many of our readers:

"As sure as death, laird, I think they [patients] wait an' watch for me till I'm in my bed, for the vera pleasure o' haurlin' me o't to some place like that.

"You're juist in frae the Lylestone, maybe, drookit to the skin and chitterin' wi' cauld, an' after warslin' through your supper in hauf-oorly instalments between the whiles in the shop—for the hoose is aye fu' when ye come hame,—Leezie has chappit up the rakin' coal and made a gless of toddy; your buits are cuisten in a corner, and you rax your arms an' gant, playing at the sleep that you need and expect, when—rat! tat! tat!—there they go again; awa' to the Bannoch, or maybe the Auchintiber. It's aye back to the vera place you cam' frae.

"And then you're to come directly—or quicker than that if you can; the wean's deeing! And when you get there very likely it's better, or there's little or naething wrang wi' t'ava. A preen has been jaggin' the dowp o't.

"Or maybe its Micky Hoolihan in the Single Raw, sae mony doors frae a water-barrel. Micky has been eating owre mony tatties an' fresh herrin', 'and he's kilt intoirly. You could hear him scrachin' at the fut of the row, and it's takin' seven men to hould him in the bed!"

"Or it's a wean wi' the cruells, and the mither o't will tell the neebors next day that 'it was inwardly convulsed and wrought wid the narves—poor little dear!—The dachther said the constitution of its little body fell down into its little fut, and it had to be lansch'd!"

"Naeboddy kens but himsel', laird, what a trashin' life o't the doctor's is—here, there, and everywhere, at the beck and ca' o' every gomeril and tawpie in the kintra-side.

"Wheens o' them, in fact, the feck o' them, hae nae mair need o' a doctor than a cart has for a third wheel. They leeve on drogs and mak' a midden o' their stamacks....."

"Then there's the trouble wi' the door-snecks and the stairs; you bark your knuckles on the tane and break your neck on the tither; the yowffin dog that will threep wi' you in the close and say impident things about a stinkin' bane; the wean that skirls

To be Stamped with Penny Stamp and Posted.

BRITISH MEDICAL ASSOCIATION.

FIFTY-EIGHTH ANNUAL MEETING.

JULY 29th, 30th, 31st, and AUGUST 1st, 1890.

Members of the British Medical Association who intend to visit **BIRMINGHAM** during the Annual Meeting, and have not intimated their intention, will greatly facilitate the labours of the Reception Committee if they will fill up the following forms, and forward them as addressed on the other side.

Members desiring accommodation are referred to the next page but one.

The Forms are intended for the use of Members of the British Medical Association exclusively.

It is my intention to be present at the ANNUAL MEETING at Birmingham.

Name

Address

*It is my intention to be present at the ANNUAL DINNER of the Association on Thursday Evening, July 31st, and I herewith enclose Cheque (or P.O.O.) for One Guinea. (Or FIFTEEN Shillings.)**

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BRITISH MEDICAL ASSOCIATION.

FIFTY-EIGHTH ANNUAL MEETING.

BIRMINGHAM, JULY 29th, 30th, 31st, and AUGUST 1st, 1890.

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 Notelle, Mrs., 42, George Road, 52s. 6d. to 63s.
 Bullock, Mrs., 1, Frederick Road, 52s. 6d., extra Bedroom 10s. 6d.
 Clayworth, Mrs., 14, Frederick Road, 42s.
 Allen, Mrs., 42, Frederick Road, 42s., extra Bedroom 10s. 6d.
 Barsclough, Mrs., 5, Yew Tree Road, 21s., extra Bedroom 6s.
 Menzies, Mrs., 20, Yew Tree Road, 52s. 6d.
 Clifford, Mrs., 22, Wheeley's Road, 21s.
 Fearn, Miss, 56, Wheeley's Road, 42s.
 Lambley, Miss, "West House," St. James' Road, 42s. Breakfast and Tea.
 Roe, Miss, 4, Pakenham Road, 52s. 6d., extra Bedroom 10s. 6d.
 Long, Mrs., 9, Charlotte Road, 105s.
 O'Neill, Mrs., 47, Charlotte Road, 42s., extra Bedroom 10s. 6d.
 Bourne, Mrs., 34, Charlotte Road, 25s., extra Bedroom 8s.
 Hewitt, Mrs., 33, Gough Road, 30s.
 Jackson, Mrs., 54, Gough Road, 25s.
 Wright, Mrs., 55, Gough Road, 42s.
 Newton, Mrs., 13, Cambridge Crescent Road, 42s.
 Lambley, Mrs., 13, Spring Road, 15s.
 Pearce, Miss, 17, Spring Road, 42s.
 Bittain, Mrs., 19, Spring Road, 25s.
 Clifford, Mrs., 47, Spring Road, 63s.
 Bridges, Mrs., 64, Wellington Road, 52s. 6d.
 Gausby, Mrs., 75, Wellington Road, 105s.
 Hodgkinson, Miss, 87, Wellington Road, 15s.
 Hyman, Mrs., 6, Bristol Road, 25s.
 Waring, Mrs., 37, Bristol Road, 21s. and 18s.
 Roberts, Mrs., 38, Bristol Road, 21s.
 Cutham, Mrs., 73, Bristol Road, 24s., extra Bedroom, 6s.
 Wilson, Miss, 123, Bristol Road, 35s.
 Hodd, Mrs., 129, Bristol Road, 42s., extra Bedroom, 8s.
 Winspear, Mrs., 8, Speedwell Road, 21s., extra Bedroom 10s. 6d.
 Specton, Mrs., 13, Speedwell Road, 60s.
 Buckle, Mrs., 19, Pershore Road, 16s., extra Bedroom 6s.
 Cartwright, Miss, 57, Pershore Road, 21s., extra Bedroom 8s.

Young, Mrs., 68, Pershore Road, 15s.
 Rumph, Mrs., 89, Pershore Road, 42s. and 31s. 6d.
 Goodman, Mrs., 102, Pershore Road, 31s. 6d., extra Bedroom 10s. 6d.
 Maddocks, Mrs., 103, Pershore Road, 31s. 6d., extra Bedroom 10s. 6d.
 Harris, Mrs., 157, Pershore Road, 34s., extra Bedroom 10s. 6d.
 James, Mrs., 162, Pershore Road, 25s., extra Bedroom 10s.
 Grindley, Mrs., 165, Pershore Road, 25s.
 Berry, Mrs., 232, Pershore Road, 21s., extra Bedroom 10s. 6d.
 Chapman, Mrs., 241, Pershore Road, 31s. 6d.
 Parkes, Mrs., 304, Pershore Road, 31s. 6d., extra Bedroom 10s. 6d.
 Knighton, Mrs., 118, Varna Road, 21s. and 16s.
 Horton, Mrs., 22, Balsall Heath Road, 25s.
 Allen, Mrs., 27, Balsall Heath Road, 21s., extra Bedroom 6s.
 Trubshaw, Mrs., 69, Balsall Heath Road, 21s., extra Bedroom 10s. 6d.
 Timmins, Mrs., 90, Balsall Heath Road, 63s.
 Cornish, Mrs., 35, Oliver Road, 15s. 6d.
 Fleetwood, Mrs., 12, Plough and Harrow Road, 31s. 6d.
 Newton, Mrs., 48, Lee Crescent, 20s.
 Boucher, Mrs., 33, Ryland Road, 21s.
 Birch, Miss, 39, Ryland Road, 20s., extra Bedroom 6s.
 Wade, Mrs., 70, Ryland Road, 25s.
 Beeston, Mrs., 79, Ryland Road, 25s., extra Bedroom 6s.
 Talbot, Mrs., 80, Ryland Road, 30s. and 21s.
 Palmer, Mrs., 90, Ryland Road, 20s.
 Betton, Miss, 94, Summer Road, 12s. 6d.
 Crookes, Mrs., 96, Summer Road, 25s.
 Tandy, Mrs., 102, Summer Road, 21s.
 Holmes, Mrs., 34, Belgrave Road, 21s.
 Christmas, Mrs., 72, Belgrave Road, 21s.
 Riley, Mrs., 103, Belgrave Road, 25s., extra Bedroom 5s.
 Dain, Mrs., 26, Varna Road, 25s.
 Johnson, Mrs., 3, Phoenix Villas, 29, Varna Road, 25s.
 West, Mrs., 51, Varna Road, 20s.
 Blurton, Mrs., 104, Varna Road, 15s.
 Kean, Mrs., 1, Princess Road, 17s.
 Rowse, Mrs., 79, Princess Road, 20s.
 Etwell, Mrs., 80, Princess Road, 25s., extra Bedroom 10s.
 Bott, Miss, 129, Princess Road, 25s., extra Bedroom 8s.
 Surman, Mrs., 131, Alexandra Road, 21s., extra Bedroom 7s.

HANDSWORTH.

Walker, Mrs., 14, Hunters Road, 21s.
 Round, Mrs., 20, Hunter's Road, 30s.
 Clarke, Mrs., 28, Hunters Road, 30s.
 Adams, Mrs., 38, Hunters Road, 25s.
 Tyrrell, Mrs., 64, Hunter's Road, 25s.
 Kestenberg, Mrs., 88, Hunter's Road, 21s., extra Bedroom, 8s.
 Blake, Mrs., 45, Soho Hill, 21s., extra Bedroom 5s.
 Wakefield, Mrs., 110, Soho Hill, 21s.
 Newey, Mrs., 116, Soho Hill, 52s. 6d.
 Dean, Mrs., 118, Soho Hill, 15s.
 Wilson, Mrs., 144, Soho Hill, 25s., extra Bedroom, 8s.
 Bentley, Mrs., 208, Soho Hill, 17s.
 Taylor, Mrs., 176, Soho Hill, 25s.
 Harlow, Mrs., 2, Soho Road (corner of Villa Road), 21s., extra Bedroom 10s. 6d.
 Gopsill, Mrs., 43, Hall Road, 25s. to 30s.
 Royce, Mrs., 57, Hall Road, 31s. 6d.
 Willson, Mrs., 149, Hall Road, 25s.
 Holland, Mrs., 179, Church Hill Road, 21s.
 Buckley, Mrs., 17, Westminster Road, 25s., extra Bedroom, 10s.
 Wood, Mrs., 114, Fentham Road, 21s., extra Bedroom, 10s. 6d.
 Sanders, Mrs., 10, Hampstead Road, 25s., extra Bedroom, 8s.
 Hyde, Mrs., 14, Hampstead Road, 25s.
 Crisp, Mrs., 28, Hampstead Road, 31s. 6d., extra Bedroom 10s. 6d.
 Sanderson, Mrs., 34, Hampstead Road, 15s., extra Bedroom 5s.
 Baker, Mrs., 50, Hampstead Road, 21s.
 Schotter, Mrs., 94, Hampstead Road, 25s., extra Bedroom 10s.
 Hingley, Mrs., 24, Villa Road, 25s., extra Bedroom 10s.
 Norton, Mrs., 29, Villa Road, 21s.
 Hodges, Mrs., 44, Villa Road, 20s.
 Goddard, Mrs., 193, Lozella Road, 20s.
 Lockhart, Mrs., 204, Lozella Road, 25s.
 Eynon, Mrs., 234, Lozella Road, 24s.
 Hollick, Mrs., next 23, Frances Road, 20s.
 Farr, Mrs., 14, Archibald Road, 20s.
 Mobley, Mrs., 96, Church Hill Road, 31s. 6d.
 Smallwood, Mrs., 114, Church Hill Road, 12s. 6d.
 Evans, Mrs., 109, Stamford Road, 12s.
 Randell, Mrs., 33, Crompton Road, 16s.

KINGS HEATH.

Tomlinson, Mrs., 2, Rose Villas, Alcester Road, 18s.
 Clulee, Mrs., Oak Villas, Springfield Road, 21s.
 Carter, Mrs., Fern Villa, Cambridge Road, 20s. and 12s.

LADYWOOD.

Simpson, Mrs., 126, Ladywood Road, 21s.
 Schlichter, Mrs., 129, Ladywood Road, 14s.
 Hodges, Mrs., 131, Ladywood Road, 30s., extra Bedroom 10s.
 Evans, Mrs., 251, St. Vincent Street, 17s. 6d., extra Bedroom, 5s.
 Ashby, Miss, 277, St. Vincent Street, 21s.
 Larnach, Mrs., 29, Wood Street, 15s.
 Vennell, Mrs., 42, Wood Street, 20s., extra Bedroom 7s.
 Shakeshaft, Mrs., 117, Rann Street, 20s.
 Gaskell, Mrs., 133, Rann Street, 20s.
 Cooke, Mrs., 134, Rann Street, 21s.
 Crofts, Mrs., 140, Rann Street, 21s.
 Heritage, Mrs., 51, St. Mary Street, 21s.
 Coleman, Mrs., 66, St. Mary Street, 21s., extra Bedroom 10s.

MOSELEY.

Raynes, Mrs., "Eastbourne," Park Road, second house from Edgbaston Road, 52s. 6d., extra Bedroom 10s. 6d.
 Power, Mrs., 5, Trafalgar Terrace, Alcester Road, 31s. 6d., extra Bedroom 10s. 6d.
 Satchell, Mrs., Ivy Cottage, Alcester Road, nearly opposite cricket ground, 42s., and 31s. 6d., extra Bedroom 15s.
 Burley, Mrs., Church Road, opposite the Woodstock Road, 21s.
 Gumbley, Mrs., Providence Villa, St. Paul's Road (5th house before Hertford Road), 12s. 6d.
 Smith, Mrs., 2, Clifton Road, 15s.
 Emms, Mrs., 160, Clifton Road, 16s., extra Bedroom 5s.
 Fairman, Mrs., 61, Brighton Road, 15s.
 Tozer, Mrs., 13, Whitby Road, off Brighton Road, 21s. and 12s.
 Burton, Mrs., 19, Edgbaston Road, 21s., extra Bedroom 10s. 6d.
 Mackay, Mrs., "Eversleigh," opposite Priory Road, Edgbaston Road, 21s., extra Bedroom 5s.
 Taylor, Mrs., "Melrose Villa," second from Park Road, Edgbaston Road, 31s. 6d.
 Lowe, Mrs., "Chestnuts," Augusta Road, fourth house from Alcester Road, 31s. 6d.
 Fairfax, Miss, 6, Trafalgar Terrace, Alcester Road, 25s.
 James, Miss, "Tenby House," Kingswood Road, opposite Newport Road, 20s.

SEELY OAK.

Andrews, Mrs., Seely Oak House, Lottle Road, 25s., extra Bedroom, 6s.

SMALL HEATH.

Lea, Miss, 11, Golden Hillock Road, 20s.
 Williams, Miss, 64, Golden Hillock Road, 21s.
 Gilson, Mrs., 141, Golden Hillock Road, 21s., extra Bedroom 6s.
 Green, Mrs., 122, Coventry Road, 25s.
 Kettle, Mrs., 430, Coventry Road, 42s.
 Osmand, Mrs., 642, Coventry Road, 21s.
 Goldspink, Mrs., 646, Coventry Road, 31s. 6d.
 Weaver, Mrs., 688, Coventry Road, 31s. 6d.
 Edwards, Mrs., 53, Herbert Road, 15s.
 Pogron, Mrs., 165, Herbert Road, 12s.

SPARKBROOK.

Clowes, Mrs., 47, Long Street, 15s. to 21s., extra Bedroom 5s.
 Margrett, Mrs., 128, Long Street, 15s., extra Bedroom 5s.
 Sargeson, Mrs., 129, Long Street, 21s.
 Prime, Mrs., 253, Stratford Road, 30s., extra Bedroom 10s.
 Corbett, Mrs., 329, Stratford Road, 25s.
 Cooke, Mrs., 80, Sampson Road, 21s., extra Bedroom 8s.
 Constantine, Mrs., 12, Farm Road, 31s. 6d.
 Dickens, Mrs., 275, Warwick Road, nearly opposite "Mermaid," 15s., extra Bedroom 5s.
 Harding, Mrs., 46, Gladstone Road, 21s.
 Gardner, Mrs., 80, Gladstone Road, 31s. 6d., extra Bedroom, 10s. 6d.
 Kings, Mrs., 47, Grantham Road, 63s.

HOUSES.

SPARKBROOK.

Tebbett, Mrs., 45, Braithwaite Road, £10 10s., to be arranged for by July 21st at latest.
 Robinson, Mrs., York House, Farm Road, £5 5s., to be arranged for by July 28th at latest, and paid for in advance.

REPRIEVE OF THOMAS HARDING.

WE have received the following communication from the Home Office in reference to the case of this man, concerning whom we published a statement which was brought under the notice of the Home Secretary by the Chairman of the Parliamentary Bills Committee:—

"Home Office, Whitehall, July 12th, 1890.

"Sir,—The Secretary of State having considered the case of Thomas Harding, who was sentenced to death, and in whose behalf you submitted a statement, I am directed to acquaint you that he has felt warranted under all the circumstances in advising the respite of the capital sentence with a view to its commutation to penal servitude for life.—I am, Sir, your obedient servant,

"E. LEIGH PEMBERTON.

"Ernest Hart, Esq., British Medical Association,
429, Strand, W.C."

ASSOCIATION INTELLIGENCE.

LIBRARY OF THE BRITISH MEDICAL ASSOCIATION.

MEMBERS are reminded that the Library and Writing Rooms of the Association are now fitted up for the accommodation of the Members, in commodious apartments, at the offices of the Association, 429, Strand. The rooms are open from 10 A.M. to 5 P.M. Members can have their letters addressed to them at the office.

COUNCIL.

NOTICE OF MEETING.

A MEETING of the Council will be held in the Small Theatre of the Midland Institute, Birmingham, on Tuesday the 29th day of July next, at 9.30 o'clock in the forenoon.

July 16th, 1890.

FRANCIS FOWKE, *General Secretary.*

EXTRAORDINARY GENERAL MEETING.

NOTICE is hereby given that an Extraordinary General Meeting of Members will be held on Tuesday, the 29th day of July next, in the Large Theatre, Midland Institute, Birmingham, immediately after the Address of the President, which commences at 8.30 P.M.

BUSINESS.

To consider the Memorial on Proxy Voting, and the Report of the Committee thereon.

July 16th, 1890.

FRANCIS FOWKE, *General Secretary.*

NOTICE OF QUARTERLY MEETINGS FOR 1890.

ELECTION OF MEMBERS.

A meeting of the Council will be held on October 15th, 1890. 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 the meeting, namely, September 24th, 1890.

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.

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.*

BRANCH MEETINGS TO BE HELD.

DORSET AND WEST HANTS BRANCH.—The next meeting will be held at Bournemouth on Wednesday, July 23rd, 1890. The business meeting will be held at the Town Hall at 2.45 P.M. Agenda:—Election of New Members of the Branch. Place of the Autumn Meeting. Discussion: Dilatation of the Perineum in Labour. Communications.—Dr. Thomas: On some Cases of Hæmoptysis, with general remarks on its treatment. Dr. Lawrie: A Case of Pott's Disease of the Spine, with unusual history. Dr. Clibborn: A Case of Compound Fracture of

Frontal Bone (specimen to be shown). Dinner at the Greyhound Inn at 5 P.M.; charge 6s. each, without wine. Members intending to be present are requested to signify the same to Mr. Hay by Monday, July 21st. Mr. Hay and Dr. Clibborn will be pleased to see members and friends at their residences to luncheon before the meeting.—WILLIAM VAWDREY LUSH, M.D., Weymouth; C. H. WATTS PARKINSON, Wimborne, Honorary Secretaries.

BORDER COUNTIES BRANCH.—The annual meeting of this Branch will be held at the County Hotel, Carlisle, on July 25th. Gentlemen wishing to read papers should communicate with the Honorary Secretary, JAMES ALTHAM, Penrith.

OXFORD AND DISTRICT BRANCH.—The annual meeting of this Branch will be held in Oxford on Friday, July 25th. Further particulars will be given to members by circular.—W. LEWIS MORGAN, Honorary Secretary, 42, Broad Street, Oxford.

READING AND UPPER THAMES BRANCH.—The annual meeting of this Branch will be held at the Ray Mead Hotel, Maidenhead (close to Boulter's Lock), on Tuesday, July 22nd. The President (Dr. Price) will take the chair at 4.30 P.M., and the business of the Branch will be transacted, after which the President for the coming year (Dr. Dunbar Dickson, of Great Marlow) will take the chair, and deliver an address. The annual dinner will take place on the same evening, at 6 o'clock, at the Ray Mead Hotel. Dinner tickets (7s. 6d. each, exclusive of wine) should be obtained from the Honorary Secretary, Reading, as early as possible. Members can invite guests on giving notice to the Honorary Secretary, H. HEYGATE PHILLIPS, 45, London Road, Reading.

SOUTHERN BRANCH: ISLE OF WIGHT DISTRICT.—The quarterly meeting of this Branch will take place at Freshwater Bay Hotel, Freshwater, on Tuesday, July 22nd; the President, Alfred Hollis, M.D., in the chair. Luncheon will be provided from 1 P.M. The business of the meeting will commence after luncheon. Agenda:—The President's Address. Dr. Alfred Hollis: Case of Hydatidiform Mole, with specimen. Gentlemen who are desirous of introducing patients, exhibiting pathological specimens, or making communications, are requested to signify their intention at once to the Honorary Secretary, ROBERT ROBERTSON, M.D., Ventnor, I.W.

WEST SOMERSET BRANCH.

THE forty-seventh annual meeting was held at the Infirmary, Bridgwater, on July 3rd, under the presidency of Mr. H. M. KEMMIS. Twelve members were present.

Retiring President's Address.—The retiring PRESIDENT (Mr. Hunt), in a valedictory address, reviewed the work of the Branch during his year of office, drawing special attention to the clinical meetings, which he regarded as not only of great interest but of great value, and then introduced Mr. Kemmis, as the new President of the Branch.

New President.—Mr. KEMMIS, on taking the chair, expressed his thanks for the honour which the Branch had done him by electing him as President. He then proceeded to the business of the meeting.

Minutes.—The minutes of the last general meeting were read and confirmed.

Report of Council.—The report of the Council referred first to the success of the last anniversary meeting, held at Yeovil, and to the hospitality then shown by Mr. Hunt. Since the last annual meeting there had been held five meetings of the Branch and five meetings of the Council. The five Branch meetings comprised—1. The usual autumn and spring meetings, which were held in November and April. 2. A special meeting, which was held in December, to consider Dr. Rentoul's proposals respecting the abuse of the out-patient departments of medical charities, and as to the formation of a public medical service. 3. Two clinical meetings which were held at the Taunton and Somerset Hospital in December and February. At the autumn and spring meetings respectively the subjects of "Proposed Legislation for Amending the Constitution of the Royal College of Surgeons, England," and "The Influenza Epidemic," were discussed. At the special meeting Dr. Rentoul's proposals did not meet with much favour, but it was considered very desirable that inquiry should be made into the undoubted abuses which exist in country as well as in metropolitan hospitals, and that the workhouse hospitals should be used for clinical study. At the clinical meetings many very interesting cases were shown and papers read, but the attendance of members was rather small. At the five Council meetings four were for ordinary business, but one was specially convened (in pursuance to a requisition sent to the honorary secretary, signed by four members) to consider and adjudicate upon a matter of ethical dispute between two members of the Branch, when, after receiving and weighing documentary evidence, a unanimous decision was arrived at. Although it was to be hoped that occasion might seldom arise, yet the Council were strongly of opinion that they were carrying out the wishes of their fellow associates and the objects of the Association in adjudicating upon and assisting in settling any medico-ethical disputes between members of the Branch. The number of members on the roll was 59. The treat-

suror's accounts, audited by Mr. Rigden, showed a balance in hand of £8 in favour of the Branch.—It was proposed by Mr. BROOK, seconded by Mr. C. RANDOLPH, and resolved, "That the report of the Council and the treasurer's accounts be received and adopted, and that the thanks of this meeting be given to the Council and to the treasurer for their services during the past year."

Next Annual Meeting and President-Elect.—It was proposed by Mr. WINTERBOTHAM, seconded by Mr. RIGDEN, and resolved, "That the next annual meeting be held at Milverton, and that Mr. Charles Randolph be President-elect for 1891-92."

Intermediate Meetings.—It was proposed by Mr. SINCOCK, seconded by Mr. PAPILLON, and resolved: "That the Council be requested to arrange for an autumnal and a spring meeting of the Branch as usual."

Council of the Branch.—It was proposed by Mr. CORNWALL, seconded by Mr. LAXTON, and resolved: "That Mr. Rigden, Mr. Collyns, and Mr. Iles, the three members of the Council who go out in rotation, be re-elected."

Secretary and Treasurer.—It was proposed by Dr. MEREDITH, seconded by Mr. HUNT, and resolved: "That Dr. Kelly be re-elected as Secretary and Treasurer for the ensuing year."

President's Address.—The routine business being concluded, the PRESIDENT read an address on the position at the present time of the profession and its relation to the public and to the various bodies and individuals with whom it is brought into contact. He spoke of the superior education and status of medical men of the present day as compared with the past; he commented upon their various grievances in relation to boards of guardians, local boards, and chemists and druggists; and in referring to members of the profession and their patients, while exhorting that medical men should be loyal and considerate to one another, he expressed his satisfaction and belief that if medical men once gained the esteem and confidence of their patients they would as a rule be almost reverential in their attachment to their professional advisers.

Vote of Thanks.—After a discussion of some points arising out of his address, a cordial vote of thanks to the President was carried by acclamation.

Petition to Parliament.—A petition supporting the Bill proposed to be introduced by Lord Dunraven into the House of Lords in favour of Members of the Royal College of Surgeons of England having a voice in the management of that College was laid before the meeting and signed by several members.

Status of Army Medical Officers.—Dr. KELLY reported that at the request of the Chairman of the Parliamentary Bills Committee, he had recently written to the members of Parliament for the Bridgwater and Wellington Divisions of Somerset, and to the member for Taunton, begging them to assist in endeavouring to get the recommendations of Lord Camperdown's Committee on the subject of the status of army medical officers carried out.

Bill for the Registration of Midwives.—A letter from Dr. RANTOUL, drawing attention to a Bill now before Parliament for the Registration of Midwives, and advising that it should not be passed, was read. The Bill was submitted to the meeting, but no action was taken on the subject.

Exhibition of Instruments.—A good assortment of instruments displayed by Messrs. Lynch and Co., was examined.

Dinner.—Thirteen members, and the Mayor of Bridgwater as a visitor, enjoyed an excellent dinner at the Clarence Hotel. Some members afterwards adjourned to the residence of the President, and there ended a very pleasant evening.

NORTH OF ENGLAND BRANCH.

THE twenty-sixth annual meeting was held in the board-room of the Darlington Workhouse on July 8th. The retiring President (Dr. BARON) occupied the chair, and 30 members were present.

President's Address.—Dr. MIDDLEMISS, the President, delivered the annual address.

Proposed Meeting of the Association in Newcastle in 1892.—Dr. DRUMMOND proposed that the British Medical Association be invited to hold their annual meeting in Newcastle-upon-Tyne in 1892, and that George Hare Philipson, M.A., M.D., D.C.L., F.R.C.P., Professor of Medicine in the University of Durham, be nominated President for the year. This was seconded by Dr. BROADBENT, and unanimously carried with acclamation.

Next Annual Meeting of Branch.—It was resolved that the annual meeting of the Branch for 1891 be held in Newcastle-upon-Tyne, and that Dr. Drummond be the President-elect. It was

further resolved that the autumnal meeting for 1890 be held at Alnwick, and the spring meeting of 1891 at Sunderland.

Election of Officers.—The Council of the Branch was re-elected with the addition of Dr. Hume. Mr. Williamson was re-elected honorary secretary and treasurer, Dr. Philipson was re-elected to represent the Branch on the Parliamentary Bills Committee, and Dr. Drummond and Mr. Williamson were re-elected members of the Council of the Association.

Annual Dinner.—The dinner after the meeting was held at the Fleece Hotel, and was very successful.

NORTH WALES BRANCH.

THE forty-first annual meeting of this Branch was held at the Sportsman Hotel, Portmadoc, on Tuesday, July 8th, the President, Mr. EVAN WILLIAMS, in the chair.

Report of Council.—The report of the District Council was read by the HONORARY SECRETARY, from which it appeared that numerically the Branch was in a flourishing condition: the number on the books being the largest since its inauguration. The financial condition was also satisfactory, a balance of £11 remaining at the close of the year 1889. The meetings of the year had been well attended and the subjects brought forward of an interesting nature. Reference was made to the resolution of the last annual meeting with regard to an unregistered practitioner which was brought under the notice of the General Medical Council and the reply of the Secretary thereon. The Council had the satisfaction of not recording the loss of a single member by death, though two members had been removed from the Branch list owing to non-compliance of the by-laws of the Association. On the motion of Dr. EYTON JONES, seconded by Mr. H. J. LLOYD, the report was adopted.

President-Elect.—On the motion of Dr. EYTON JONES, seconded by Mr. R. W. J. EVANS, Mr. J. Llewellyn Williams, M.B., was elected President for the year 1891.

Places of Meeting for 1891.—Llandudno was selected for the intermediate meeting and Ruabon for the annual meeting.

Election of Officers.—On the motion of Mr. H. V. PALIN, M.B. (Mayor of Wrexham), seconded by Mr. LLOYD WILLIAMS, M.B. (Llamberis), Mr. W. Jones Morris was re-elected Honorary Secretary. On the motion of Mr. EVAN WILLIAMS, seconded by Mr. O. T. WILLIAMS (Holyhead), Mr. John Richards was re-elected Treasurer. The following gentlemen, on the proposal of Mr. PALIN, seconded by Mr. HENRY EVANS, were elected the Council for the ensuing year: R. Hughes, M.D. (Penmaenmawr), Lloyd Roberts, M.B. (Denbigh), J. R. Jenkins, M.D. (Ruthin), Wm. Jones (Ruabon), J. M. Hughes, M.B. (Ruthin), and Kendrick Davies, M.B. (Llandudno). On the motion of Mr. O. T. WILLIAMS, seconded by Mr. H. J. LLOYD, the Honorary Secretary was re-elected representative of the Branch on the Council of the Association. On the proposal of Mr. J. P. JONES (Corris), seconded by Mr. W. R. PARRY-JONES, Drs. Emrys Jones (Manchester), and Robert Jones (Earlswood), were re-elected to represent the Branch on the Parliamentary Bills Committee.

New Members.—The following gentlemen were elected members of the Branch and of the Association:—Mr. P. J. White, M.B., C.M., Lecturer of Zoology, University College of North Wales; Peter Fraser, M.D., B.Sc. (Pub. Health), Llangefni; Hugh Jones, M.B., C.M., Dolgelly; Hugh Pugh Rowlands, L.R.C.P. Lond., M.R.C.S. Eng., Townyn; John W. Rowlands, L.R.C.S. Ed., L.R.C.P. Ed., L.F.P.S.G., Bodorgan, Anglesea; and John Williams, M.D., Bethesda.

Royal Medical Benevolent College, Epsom.—On the motion of Dr. EYTON JONES, seconded by Dr. S. GRIFFITH, the sum of £10 10s., was voted to the College, the voting privileges to be vested in the Honorary Secretary for the time being.

President's Address.—The retiring PRESIDENT, in a few well chosen words of thanks, then introduced the President, Mr. ROBT. ROBERTS, M.R.C.S. Eng., L.R.C.P. Ed., J.P., Surgeon of the extensive Festiniog Quarries, who delivered the annual address, on The Occupation of the Quarryman in its Relation to Public Health. On the motion of Mr. J. T. JONES (Corris), seconded by Mr. LLOYD WILLIAMS, M.B. (Llamberis), a hearty vote of thanks was accorded to the President for his interesting address.

Papers.—The following communications were presented.—Dr. BARSTOW CARSTAIRS related the notes of a fatal case of Chorea occurring in a patient of his, who, previously in good health, had had a series of frights which were considered the disposing cause. In the last days of her illness the temperature went up from 101° to 108°, rising gradually a point on each successive day.—Mr. MALCOLM MORRIS, of London, delivered an address on The Etiology

and Treatment of Acne, for which a hearty vote of thanks of the meeting were accorded him.—Dr. IMLACH, of Liverpool, read a paper on the treatment of Puerperal Fever, more especially dealing with the conditions in which operative measures may be resorted to with some amount of success.

Dinner.—Forty members and guests, including the Rev. D. R. Hughes, vicar of the parish, sat down to dinner at the close of the meeting—the Lord Lieutenant of the county having previously expressed his inability to be present as their guest.

SOUTHERN BRANCH.

THE annual meeting was held on June 26th, 1890, at Newport, Isle of Wight. The President (Dr. J. GROVES) occupied the chair, and about fifty members were present.

Election of Office-Bearers.—The following gentlemen were elected Branch officers for the ensuing year:—*Vice-Presidents:* Brigade-Surgeon C. H. Godwin, Netley; J. M. Pletts, M.D., Ryde. *Members of Council:* W. H. Axford, M.B., Southsea; C. G. Beaumont, M.D., Shirley; Mr. F. R. P. Darke, Salisbury; Mr. W. E. Green, Sandown; Mr. W. F. Brook, Fareham; Mr. H. Hemsted, Whitechurch. *Honorary Secretaries of Districts:* Isle of Wight—R. Robertson, M.D., Ventnor; Winchester—T. C. Langdon, F.R.C.S.; Southampton—T. W. Trend, M.D.; South Wiltshire—Mr. J. Manning; South-East Hants—J. Ward Cousins, M.D. *Representative on the Parliamentary Bills Committee:* D. Nicolson, M.D., Broadmoor. *Representatives on the Council of the Association:* T. W. Trend, M.D.; J. Ward Cousins, M.D.

President's Address.—After welcoming the members of the Branch, the PRESIDENT made some observations on the climate of the Isle of Wight, and the advantages which it offered to the invalid and the aged. Passing to general subjects, he said that he doubted if the medical profession fully appreciated that the possession of special knowledge, combined with the practice of their profession, gave them enormous influence and involved them in enormous responsibility as citizens of a free State. If they used their influence to get the knowledge they possessed applied, the lives of men would be better worth living. They ought to feel assured, he thought, that collectively, in their Great Association, they had some degree of influence. He believed they did not realise what a power it might become in the State. If they would but be united, it could speak with irresistible authority upon all questions which affected the physical and social well-being of the people. It was their duty to apply their knowledge, not only as physicians in the treatment of disease, but as citizens for the benefit of their neighbour and the good of the State. Much had been done by the civil registration of deaths, by public vaccination, by the establishment of a Department of State charged with the oversight of the public health, by passing Public Health Acts and enactments having reference to particular trades, to adulteration, to cemeteries, to the employment of women and children, and to the notification of infectious disease; and beneficent results had followed in lessening of the general mortality and the marked reduction of the death-rates of the more preventable diseases. But there was much to do. It was the duty of the State to sternly control and punish any owner of lands or houses, any employer of labour, any individual or body of individuals, who, in whatever manner, prejudiced that right. The medical officer of health held aloft the banner of deliverance and freedom, but at what a risk to his own fortunes this Ishmael of their day did his duty! If they would not give him security of tenure of his office, or compensation for dismissal because he obeyed the law, they would assist him to provide pure air and pure water for all; they might insist that Parliament should cease from permissive legislation upon matters which involved the health and lives of the people; they might insist and advise others to insist that any candidate for a seat in Parliament or on a County Council or Sanitary Board should pledge himself to sanitary reform. While giving the whole population healthy homes, they might strive to make men and women comfortable and happy in those homes by teaching them how to live, and by assisting them to healthy and wholesome occupation for their leisure.

Papers.—Dr. WARD COUSINS gave an address on the Surgical Treatment of Impassable Stricture (see page 137).—Dr. NATHAN RAW related a case of Trance following Influenza.—Dr. FREDK. PEARCE (Southsea) exhibited and described various forms of Midwifery Forceps; and exhibited a new instrument. (See page 154.) He also exhibited the Hypodermic Syringe figured at page 90 (JOURNAL, July 12th).—Dr. WARD COUSINS showed a new Aur al Probe and Aromatic Wool.

Next Annual Meeting.—The next annual meeting will be held at Winchester, and Mr. T. C. Langdon is the President-elect.

NORTH OF IRELAND BRANCH.

THE twelfth annual meeting of the North of Ireland Branch of the British Medical Association was held in the Boardroom of the Royal Hospital, Belfast, on Thursday, July 10th. The President (Dr. GEORGE GRAY, J.P., Castlewellsan), occupied the chair, and there was a large attendance of members.

Report of Council.—The annual report and financial statement showed that the Branch continued in a most prosperous condition. There were 74 Belfast and 145 country members. During the past year four ordinary meetings and one special had been held, all of which were well attended. There was a balance in favour of the Branch of £54 4s. 9d.

Election of Officers.—The following office-bearers were then elected for the ensuing year: President, Dr. W. A. McKeown; Vice-Presidents, Dr. St. George (Lisburn), and Dr. J. Walton Browne; Members of Council, Dr. Palmer (Armagh) Professor Cumming, Dr. E. C. Thompson (Omagh), Professor Sinclair, Dr. Maconchy (Downpatrick), Dr. J. A. Lindsay, Dr. Stuart (Ballymena), Mr. John Fagan, Dr. Frazer (Armagh), Dr. Dempsey, Dr. McAlister (Carrickfergus), Dr. J. W. T. Smith, Dr. Kidd (Ballymena), Dr. Whitla, Dr. A. Dunlop (Holywood), and Professor Dill. Dr. George Gray (Castlewellsan) was reappointed Treasurer; and Dr. Byers was re-elected Secretary. Dr. Dempsey and Dr. Byers were selected as representatives of the Branch on the Council of the British Medical Association; and Dr. O'Neill and Dr. Stuart (Ballymena), were appointed on the Parliamentary Bills Committee.

Papers.—Papers and communications on medical subjects were then brought before the meeting by Dr. E. C. Thompson (Omagh), Dr. J. A. Lindsay, Dr. Dempsey, Dr. O'Neill, Dr. Byers, Dr. Calwell, Dr. Cecil Shaw, and Dr. Killen (for Dr. McKeown), and an interesting discussion followed.

Retiring President.—The President (Dr. GRAY) having thanked the members for the high honour they had conferred on him in electing him as President for the previous year, it was moved by Professor DILL, seconded by Mr. FAGAN, and carried most cordially, that a hearty vote of thanks be given to Dr. Gray for his dignified and courteous conduct in the chair during his year of office as President of the North of Ireland Branch of the British Medical Association.

BRITISH MEDICAL ASSOCIATION.

FIFTY-EIGHTH ANNUAL MEETING.

THE fifty-eighth Annual Meeting of the British Medical Association will be held at Birmingham on Tuesday, Wednesday, Thursday, and Friday, July 29th, 30th, 31st, and August 1st, 1890.

President: C. G. WHEELHOUSE, F.R.C.S., J.P., Consulting Surgeon, Leeds General Infirmary, Cliff Point, Filey.

President-elect: WILLOUGHBY FRANCIS WADE, B.A., M.B., F.R.C.P., J.P., Senior Physician, Birmingham General Hospital, 27, Temple Row, Birmingham.

President of the Council: THOMAS BRIDGWATER, M.B., LL.D., J.P., Harrow-on-the-Hill.

Treasurer: CONSTANTINE HOLMAN, M.D., J.P., Reigate.

An Address in Medicine will be delivered by Sir B. WALTER FOSTER, M.D., M.P., Senior Professor of Medicine, Queen's College, Birmingham.

An Address in Surgery will be delivered by LAWSON TAIT, F.R.C.S., Surgeon, Birmingham and Midland Hospital for Women, Birmingham.

An Address in Therapeutics will be delivered by WILLIAM HENRY BROADBENT, M.D., F.R.C.P., Physician to St. Mary's Hospital, London.

The scientific business of the meeting will be conducted in twelve Sections, as follows, namely:

Mason College—Biological Theatre.

A. MEDICINE AND THERAPEUTICS.—*President:* Sir DYCE DUCKWORTH, M.D., LL.D. *Vice-Presidents:* EDWIN RICKARDS, M.B.; DAVID DRUMMOND, M.D. *Honorary Secretaries:* ISAMBAARD OWEN, M.D., 40, Curzon Street, Mayfair, W.; CORNELIUS W. SUCKLING, M.D., 103, Newhall Street, Birmingham.

Two subjects have been set down for special discussion: 1.

Functional Disorders of the Heart. 2. The Varieties of Hepatic Cirrhosis.

The discussion on (1) will be opened by the President on Wednesday, July 30th, at 10 A.M.; that on (2) by Dr. Saundby on Friday, August 1st, at 10.30 A.M. Professor Gairdner, Dr. Rickards, Dr. Broadbent, Sir Walter Foster, Dr. Sansom, Dr. Finlay, Professor Tirard, Dr. Eddison, Dr. W. R. Thomas, Dr. Markham Skerritt, and Dr. Boyd have already expressed their intention of taking part in the former; Dr. Drummond, Dr. Goodhart, Professor Tirard, Dr. W. R. Thomas, Dr. Andrew Smart, Dr. Herringham, and Dr. Drysdale, of joining in the latter discussion.

DOWNIE, J. Walker, M.B., C.M. Intralaryngeal Injections in the Treatment of certain Laryngeal and Pulmonary Affections.
 DRUMMOND, D., M.A., M.D. A Rare Form of Hypertrophic Cirrhosis of the Liver.
 BARDLEY-WILMOT, R., M.B. The Therapeutic Uses of the Natural Saline Waters of Leamington Spa.
 FOX, R. Hingston, M.D. Estimation of Urea and Sugar in Urine by Ready Methods.
 GREENE, G. E. J. A Note on the Efficacy of Lycopodium in Enuresis.
 HAIG, A., M.A., M.D. On some Vascular Effects of Urlic Acid.
 HAMILTON, Brigade-Surgeon J. B., M.D. Enteric Fever in India.
 HASSELL, A. H., M.D. On the Climate of San Remo, based on the Observations of Ten Consecutive Winter Seasons.
 HERRINGHAM, W. P., M.D., F.R.C.P. Intermittent Albuminuria.
 HEWERTSON, H. Bendelack, F.L.S. On the Localisation, as an Aid to Diagnosis and Treatment of some Forms of Headache.
 LAMB, Marshall, A.M., M.D. Beri-beri in British North Borneo.
 MCALDOWIE, Alex. M., M.D., F.R.S.E. Lead Poisoning and Gout.
 SHORMAKER, John V., A.M., M.D. (Philadelphia, U.S.A.) The Physiological and Therapeutic Action of Coto Bark.
 SMART, Andrew, M.D. Respiratory Dysphagia and Deglutition Dyspnoea.
 SUCKLING, C. W., M.D. Demonstration of Cases.
 TAYLOR, Seymour, M.D. Cardiac Derangement in Association with Visceral Disease.
 THURSTAN, E. Paget, M.D. On the Climate of Orotava, Teneriffe.
 TIRARD, Professor N. I. C. M.D., F.R.C.P. Forms of Albuminuria.
 TYSON, W. J., M.D. A Clinical Note on the Soporific Action of Mercury.
 WILSON, T. Stacey, M.B., C.M., B.Sc. Varices as a Cause of Hematemesis in Cirrhosis of the Liver.

Mason College—Chemistry Theatre.

B. SURGERY.—President: T. H. BARTLETT, M.B., F.R.C.S. **Vice-Presidents:** BENNETT MAY, M.B., F.R.C.S.; J. GREIG SMITH, M.B., F.R.S.E. **Honorary Secretaries:** F. A. SOUTHAM, F.R.C.S., 13, John Street, Manchester; F. MARSH, F.R.C.S., 34, Paradise Street, Birmingham; H. G. BARLING, M.B., F.R.C.S., 85, Edmund Street, Birmingham.

It has been determined to bring forward for discussion the following subjects: 1. The Surgery of the large Arterial Trunks, to be introduced by Mr. Timothy Holmes (London), Mr. William Thomson (Dublin), Mr. T. H. Bartlett, Mr. Bennett May, Mr. Alfred Willett, Mr. C. A. Ballance, Mr. Damer Harrison, Mr. Jordan Lloyd, Mr. Herbert W. Page, and Mr. Vincent Jackson. 2. The Operative Treatment of Acute Intestinal Obstruction due to Internal Strangulation, to be introduced by Mr. J. Greig Smith, Sir William Stokes (Dublin), Mr. Mayo Robson (Leeds), Mr. Kendal Franks (Dublin), and Mr. Stanmore Bishop (Manchester). Mr. Lawson Tait, Mr. E. Atkinson, Mr. Bruce Clarke, Mr. Bennett May, Mr. Thornley Stoker, Mr. L. H. Ormsby, Mr. Jordan Lloyd, Mr. F. B. Jessett, Dr. Ward Cousins, Mr. Cleland Lammiman, Mr. W. D. Spanton, and Mr. F. Marsh will speak on this subject. It is hoped that Dr. Senn, of Milwaukee, will also take part in this discussion.

The following papers are announced:

ATKINSON, E., M.R.C.S. On Nerve Grafting.
 CHEYNE, W. Watson, F.R.C.S. 1. Case of Internal Derangement of the Knee-joint. 2. On Operation in Cases of Fracture extending into Joints.
 CLARKE, Bruce, M.B., F.R.C.S. Obscure Bladder Affections and their Exact Diagnosis by the Cystoscope.
 DAVIES-COLLEY, J. N. C., M.C. On a Method of Closing the Hard Palate by a New Operation.
 EASTES, Thos., M.D. Abdominal Section for Doubtful Tumour Hydatid of Liver found and treated by Drainage and Incision.
 FENWICK, Hurry, F.R.C.S. The Influence of Electric Illumination of the Bladder upon our Knowledge and Treatment of Urinary Disease.
 FRANKS, Kendal, M.D. On the Use of Massage in Recent Fractures, Dislocations, and Sprains.
 HAGYARD, Robert, M.B. 1. On the Transplantation of Animal Nerve and Bone for Paralysis and Necrosis. 2. Remarks on the Manufacture of Surgical Appliances.
 HEUSTON, F. T., M.D. On a Non-poisonous, Non-irritative, Antiseptic Dressing.
 HIND, Wheelton, M.D. Fractured Foramen with Injury to Median Nerve, Paralysis, Operation, Recovery.
 JESSETT, F. B., F.R.C.S. The Surgical Treatment of Carcinoma of the Pylorus and Intestines.
 LAFFAN, Thos., M.K.Q.C.P. The Field of the Aspirateur.
 LLOYD, Jordan, F.R.C.S. Note on the Impossibility of the so-called Digital Exploration of the Pelvis of the Normal Kidney for Calculi.
 PAGE, Herbert, M.R.C.S. Cases of Aneurysm of both Femoral and both Popliteal Arteries.

PARSONS, Inglis, M.D. On the Arrest of Growth in Cancer by the Interrupted Voltaic Current.

RAKE, Beaven, M.D. 1. The Treatment of Perforating Ulcer in Leprosy. 2. Reported Nerve-stretching for Leprosy in the same patient, with relief each time.

ROBSON, A. W. Mayo, F.R.C.S. Tapping and Draining the Ventricle in certain cases of Brain Disease.

SYMMONS, Charters J., M.D. The Extirpation of Parenchymatous Goitre.

TAIT, Lawson, F.R.C.S. The Operative Treatment of the so-called Tubercular Peritonitis.

Mason College—Physics Laboratory.

C. OBSTETRIC MEDICINE AND GYNÆCOLOGY.—President: THOMAS SAVAGE, M.D., F.R.C.S. **Vice-Presidents:** CHARLES J. WRIGHT, M.R.C.S.; JAMES MURPHY, M.D. **Honorary Secretaries:** J. K. KELLY, M.D., Park Villa, Crosshill, Glasgow; C. E. PURSLOW, M.D., 192, Broad Street, Birmingham.

Arrangements have been made for the following important subjects to come under discussion: 1. On Modern Methods of Managing Lingered Labour, to be opened by Dr. W. S. Playfair. 2. On the Importance of Gonorrhoea as a Cause of Inflammation of the Pelvic Organs, to be opened by Dr. George Granville Bantock. 3. On the Relief of Labour with Impaction by Abdominal Section as a Substitute for the Performance of Craniotomy, to be opened by Dr. Murdoch Cameron.

The following gentlemen have already promised to take part in the above mentioned discussions: Dr. Auvar (Paris), Dr. Elder, Dr. Smyly (Dublin), Mr. Lawson Tait, Dr. J. R. Morison (Newcastle), Dr. Braithwaite (Leeds), Dr. A. V. Macan (Dublin), Dr. Cullingworth (London), Dr. Goodell (Philadelphia), Dr. R. N. Ingle (Cambridge), Dr. J. Inglis Parsons (London), Mr. R. O'Callaghan (Carlow), Dr. M. Handfield-Jones (London), Dr. More Madden (Dublin), Dr. A. Duke (Dublin), Mr. A. Freer (Stourbridge), Mr. H. M. Morgan (Lichfield), Dr. Fancourt Barnes (London), Mr. A. W. Mayo Robson (Leeds), Dr. Berry Hart (Edinburgh), Dr. A. J. Smith (Dublin), Dr. A. D. Leith Napier (London), Dr. Imlach (Liverpool), Mr. W. Donovan (Erdington), Mr. C. J. Wright (Leeds), and Mr. John W. Taylor.

It is proposed that a series of Clinical and Operative Demonstrations shall be given on the morning of each day before the work of the Section begins by Dr. Savage, Mr. Lawson Tait, and Mr. J. W. Taylor.

The following papers have been announced:

AYLING, J. H., M.D. Are Midwives to be Abolished or Bettered?
 BALLANTYNE, J. W., M.D., F.R.C.P.E., and WILLIAMS, J. D., M.B. Some Points in the Histology and Pathology of the Fallopian Tubes.
 BARBOUR, A. H. F., M.D. Recent Results from the Study of Labour, Especially of the Second Stage, by Means of Frozen Sections and Casts.
 BELL, Robert, M.D. (Glasgow). On the Pathogenesis and Treatment of Oophoritis.
 BEVERLEY, Michael, M.D. (Norwich). On a Case of Ligature, but not Removal, of the Appendages for the Treatment of Excessive Haemorrhage from Uterine Myoma.
 BYERS, John W., M.D. (Belfast). On the Treatment of Puerperal Eclampsia.
 CAMERON, Murdoch, M.D. (Glasgow). On Caesarean Section with three successful cases. [Dr. Cameron will also show a Pair of Axis Traction Forceps.]
 CARBONE, A. Postelli, M.D. (Malta). Acute Yellow Atrophy in Pregnancy, with specimens.
 CROOM, J. Halliday, M.D., and WEBSTER, J. Clarence, M.B. Ectopic Gestation, Tubo-Abdominal Variety.
 DUKE, Alex., F.K.Q.C.P.I. Delivery in Difficult Cases of Impaction by the Help of Tractors and Belt. Some Original Instruments will also be shown.
 EDIS, A. W., M.D., F.R.C.P. On the Clinical Treatment of Sterility.
 HANDFIELD-JONES, M., M.D. On Two Cases of Ovariectomy, Complicated by the Presence of Fibromyomata of the Uterus.
 HARRIS, Robert P., M.D. (Philadelphia). A Communication in connection with the discussion on Caesarean Section.
 HART, D. Berry, M.D. (Edin.). On the Displacement of the Placenta in Extra-uterine Gestation.
 MADDEN, T. More, M.D. On the Pathology and Treatment of Displacement of the Ovaries.
 MORGAN, Herbert M., M.R.C.S. (Lichfield), will Show a Pair of Axis Traction Forceps in connection with Dr. Reid's paper.
 MYRTLE, James A., M.D. (Harrogate). On Two Cases of Hyperemesis of Pregnancy necessitating the Induction of Premature Labour followed by Death.
 NAIRNE, J. S., F.R.C.S. (Ed. exam.). Some additional points in the Surgical Treatment of Cancer of the Uterus, with a retrospect of the twenty-three cases reported at the meeting of 1889.
 NAPIER, A. D. Leith, M.D. On a New Modification of Hysterorrhaphy for Chronic Senile Proctitis.
 PEARSE, T. Frederick, M.D., F.R.C.S. (Eng. (Southsea)). On Traction in the Use of Midwifery Forceps, and on a New and Simple Form of Axis Traction Forceps.
 PHILLIPS, John, M.D. On Rapid Dilatation of the Cervix and Uterine Cavity by Hegar's Graduated Bougies.
 REID, W. L., M.D. (Glasgow). On a Simple Form of Axis Traction Forceps.
 BENTOU, R. R., M.D. (Liverpool). On the Registration of Midwives and their Power to Practise Independently of the Profession.
 SMITH, Alfred J. (M.B. Dublin). The Treatment of Retroflexed or Retroverted Uteri by Recto-abdominal Manipulation, with notes of a successful case. (Dr. Smith will also show the instrument he uses in elevating the uterus during massage for prolapse.)

TAIT, Lawson, F.R.C.S. A Record of 219 Cases of Operation for Removal of the Appendages for the Treatment of Uterine Myoma, performed between March 18th, 1883, and December 18th, 1888, giving the subsequent history of the cases, from twenty months up to seven years subsequent to the operation.

TAYLOR, John W., F.R.C.S. Eng., and BERNAYS, A. V., M.B. A Contribution to the Study of Exanthematic Inflammatory Disease of the Uterine Appendages.

Mason College—Examination Hall.

D. PUBLIC MEDICINE.—*President:* ALFRED HILL, M.D. *Vice-Presidents:* JOHN BURGESS WELCH, M.B.; A. S. UNDERHILL, M.D. *Honorary Secretaries:* LOUIS C. PARKES, M.D., 61, Cadogan Square, S.W.; SIDNEY BARWISE, M.B., Clough View, Blackburn.

The following topics for papers have been suggested as likely to lead to useful and interesting discussion: 1. Prevention of Pollution of Rivers (a) by Paper Works; (b) by Dye Works. 2. Smoke Abatement. 3. Lead Poisoning from Water. 4. Methods of Disinfecting Air from Small-pox Hospitals. 5. Treatment of Sewage. 6. The Compulsory Notification Act.

The following papers have been announced:

BARWISE, Sidney, M.B., D.P.H. Smoke-preventing Appliances.

DRYSDALE, C. E., M.D. 1. Disposal of Sewage in London, Paris, and Berlin. 2. On the Vital Statistics of France and Germany.

FLETCHER, Wilfred W. E., M.B., B.A. Cantab. Medical Officers of Health and Infectious Diseases in Board Schools.

GORDON, Surgeon-General C. A., M.D., C.B., Q.H.P. The More Recent Phases of the Hydrophobia Controversy.

MCINTROCK, James, M.D., B.Sc. The Electrical Treatment of Sewage.

MUMBY, B. H., M.D., D.P.H. The Compulsory Notification Act.

SEATON, Edward, M.D., F.R.C.P. Clinical Instruction at Fever Hospitals in connection with the operation of the Compulsory Notification Act.

SERGEANT, Edward, L.R.C.P., D.P.H. The Prevention of Pollution of Rivers.

THOMSON, Theodore, M.A., M.B., D.P.H. (Sheffield). Lead Poisoning from Drinking Water.

THRESE, John C., M.B., D.Sc. Pollution of Streams from Paper Refuse.

THURFIELD, W. N., M.D., D.P.H. The Etiology of Outbreaks of Typhoid Fever in Rural England.

WALLEY, Thomas, Principal Royal Veterinary College, Edinburgh. Meat Inspection.

Mason College—Chemistry Collection Room.

E. PSYCHOLOGY.—*President:* FREDERICK NEEDHAM, M.D. (Gloucester). *Vice-Presidents:* S. H. AGAR, L.K.Q.C.P. (Henley-in-Arden); E. B. WHITCOMBE, M.R.C.S. (Birmingham). *Honorary Secretaries:* JOSEPH WIGLESWORTH, M.D., Rainhill, Lancashire; EDMUND LEWIS ROWE, L.R.C.P., Borough Asylum, Ipswich.

The Section will be opened with an address by the President. Dr. Yellowlees will introduce a discussion upon the proposal made to the London County Council to establish a small hospital for the insane in London. Drs. Urquhart and White will take part in the discussion.

The following papers have been announced:

HYSLOP, T. B., M.D. Sunstroke and Insanity.

KERR, Norman, M.D. Should Hypnotism have a Recognised Place in Therapeutics? Dr. LLOYD TUCKEY will make a few remarks on this paper.

KINGSBURY, G. C., M.D. Notes on a Few Cases treated by Hypnotic Suggestion.

NOLAN, M. J., L.R.C.S.I. Stuporose Insanity consequent to Induced Hypnotism.

NORMAN, Conolly, M.K.Q.C.P.I. Mania a Potu.

TUKE, Hack, M.D. Imperative Ideas outside Insane Delusion.

WARNER, Francis, M.D. Development in Relation to Brain and Nutrition.

Queen's College—Anatomical Theatre.

F. ANATOMY AND PHYSIOLOGY.—*President:* D. J. CUNNINGHAM, M.D. *Vice-Presidents:* W. H. GASKELL, M.D., F.R.S.; B. C. A. WINDLE, M.D. *Honorary Secretary for Anatomy:* W. P. HERRINGHAM, M.D., 13, Upper Wimpole Street, W.; *Honorary Secretary for Physiology:* F. J. ALLEN, M.B., Mason College, Birmingham.

Wednesday, 10 A.M.—An introductory address upon the Cerebral Convulsions will be delivered by Professor Cunningham. Dr. Gaskell will follow with a paper on the Evolution of the Vertebrate Nervous System, with lantern demonstration of microscopic preparations. Professor J. A. Scott, M.B., will then give a lantern demonstration of Photomicrographs intended for Histological Teaching and Research.

Thursday, 10 A.M.—A discussion on the Relation which Examinations in Anatomy and Physiology bear to the teaching of these subjects; to be opened by Professor Windle. Dr. St. John Brooks, Mr. Bruce Clarke, Professor Scott, Mr. William Thornley Stoker, Mr. Wm. Thomson, and others, will join in the debate. Papers will follow.

Friday, 10 A.M.—A discussion on the Value of Nerve Supply in the Determination of Muscular Homologies and Anomalies; to be opened by Professor Cunningham. Professor Birmingham, Dr. St. John Brooks, Dr. W. H. Thompson, and others, will join in the debate. Papers will follow.

The following papers have been announced:

BALLANTYNE, J. W., M.D. The Anatomy of the Anencephalic Fetus studied by Frozen Sections.

BENNINGTON, R. C. Notes on a Symelic Fetus, with drawings.

BIRMINGHAM, Professor A. E. J., M.B. 1. Topographical Anatomy of the Bladder in the Child, illustrated by plaster models. 2. The Mastoid Region of the Skull, with special reference to operations on this part. 3. The Anatomy of Four Specimens of Absent Radius.

BROOKS, H. St. John, M.D. The Valvulae Conniventes in the Human Intestine.

BRUCE, Alexander, M.B. On the Nuclei of the Third Nerve.

CUNNINGHAM, Professor D. J., M.D. A Stage in the Growth of the Primate Brain.

GASKELL, W. H., M.D., F.R.S. On the Evolution of the Vertebrate Nervous System, with lantern demonstration of microscopic preparations.

LEED, Jordan, F.R.C.S. Casts of the Kidney Pelvis.

MAHOOD, Allan E., M.B. 1. On the Acromial Epiphysis. 2. On the Eighth True Rib. 3. On an Abnormal Thoracic Duct. 4. Concerning the Great Intestine. 5. On an Abnormal Muscle in the Hand.

SCOTT, Professor J. A., M.B. A Lantern Demonstration of Photomicrographs intended for Histological Teaching and Research.

SYMINGTON, Johnson, M.D. On the Pelvic Viscera of a Girl Sixteen Years Old.

WINDLE, Professor. 1. Similar Malformation in Twins. 2. On Imperfect Development of the Diaphragm.

Mason College—Physics Theatre.

G. PATHOLOGY.—*President:* D. J. HAMILTON, M.B. *Vice-Presidents:* C. A. McMUNN, M.D.; G. SIMS WOODHEAD, M.D. *Honorary Secretaries:* SHERIDAN DELÉPINE, M.B., 6, Chapel Place, Cavendish Square, W.; GEORGE F. CROOKE, M.D., 2, Edmund Street, Birmingham.

The President will deliver an Introductory Address on the Pathology of Dyspepsia, and the following gentlemen have already promised to give papers and demonstrations on the result of their recent investigations in various branches of Pathology:

BALLANCE, C. A., F.R.C.S., and SHERRINGTON, C. S. On Leucocytes.

BRUCE, A., M.B. On the Segmentation of the Nucleus of the Oculo-Motor Nerve.

CHRYNE, W. Watson, M.B., Tubercular Diseases of Bone.

COPEMAN, S. A. M., M.B. Improved Methods for the Examination of the Blood in Disease.

CROOKSHANK, E., M.B. Horsepox.

DICKINSON, W. H., M.D. The Tongue in Disease.

FROST, W. Adams, F.R.C.S. Morbid Conditions of the Fundus Oculi.

HAIG, A., M.D. The Estimation of Uric Acid in Disease.

HAGYARD, Robert, M.B. On Displacement of the Semilunar Fibro-Cartilages of the Knee Joint.

MACFADYEAN, Professor J., M.B. Comparative Pathology of Tuberculosis.

MACMUNN, C. A., M.D. The Spectroscope in Medicine.

MARTIN, Sidney, M.D. The Pathology of the Proteids of the Body.

MOTT, F. W., M.D. Pathological Relations between the Cells and the Fibres of the Spinal Cord.

PAYNE, J. F., M.D. The Bacillus of Rhinoscleroma and its Demonstration.

RAKE, Beaven, M.D. Experiments in Protective and Antagonistic Inoculation in Leprosy.

RIDGE, J. J., M.D. The Influence of Alcohol on Micro-organisms and Cell Protoplasm.

RUFFER, M. A., M.D. Destruction of Micro-organisms by Leucocytes.

SIBLEY, W. K. Tuberculosis in the Saurapsids.

SNOW, H., M.D. 1. Bone Lesions in Mammary Carcinoma. 2. The Local Origin of Cancer.

WOODHEAD, G. S., M.D. Diseases of the Lungs (chiefly Tuberculosis).

These communications will be illustrated by practical demonstrations, such as projection of spectra, microscopical specimens, photographs, diagrams, etc., on the screen, chemical experiments, exhibition of microscopical and other specimens, models, casts, etc.

In order to insure the bringing forward of each demonstration at the hour appointed, a certain amount of time will be set apart at the end of each meeting for the discussions of the facts brought forward. (See page 165).

Mason College—Physics Workshop.

H. OPHTHALMOLOGY.—*President:* D. C. LLOYD OWEN, F.R.C.S.I. *Vice-Presidents:* HENRY EALES, M.R.C.S.; JOHN B. STORY, M.B. *Honorary Secretaries:* HENRY E. JULES, F.R.C.S., 77, Wimpole Street, W.; E. WOOD WHITE, M.B., 72, Newhall Street, Birmingham.

Mr. Priestley Smith will open a discussion on Myopia: its Causes, Prevention, and Treatment. Messrs. Edgar Browne, Henry Eales, G. Glascott, and G. Hartridge have promised to take part in the discussion.

The following papers have been announced:

BENSON, Arthur H., M.B. (Title uncommunicated.)

BICKERTON, T. H., M.R.C.S. Cases showing the Possibility of a Connection between Refractive Errors and Epilepsy.

CANT, W. J., M.R.C.S., L.R.C.P. A New Syringe for Extracting Soft Matter in Cataract Operation.

EALES, Henry, M.R.C.S. (Title uncommunicated.)

EDRIDGE-GREEN, F. W., M.D. The Quantitative Estimation of Defects of Colour Perception.

FROST, W. Adams, F.R.C.S. Lantern Slides, Illustrating Some Physiological and Pathological Conditions of the Fundus.
GROSSMANN, K., M.D. 1. Colour Blindness. 2. Blennorrhoea Neonatorum.
HILL-GRIFFITH, A., M.D. Diagnosis of Intraocular Growths, with specimens.
McHARRY, Malcolm, F.R.C.S. Edin. The Treatment of Immature Senile Cataract.
WRAY, Charles, F.R.C.S. The Treatment of Squint Amblyopia by Galvanism.

Mason College—Professors' Common Room.

I. DISEASES OF CHILDREN.—*President:* ALFRED HENRY CARTER, M.D. (Birmingham). *Vice-Presidents:* WILLIAM THOMAS, F.R.C.S. (Birmingham); WALTER PYE, F.R.C.S. (London). *Honorary Secretaries:* HENRY HANDFORD, M.D., 14, Regent Street, Nottingham; ARTHUR FOXWELL, M.B., 47, Temple Row, Birmingham.

It is proposed to discuss the following subjects:—I. The Affections of the Lymphatic Glands in Childhood. (a) The Treatment of Simple and Suppurative Adenitis. (b) The Diagnosis of Glandular Enlargements due to causes other than simple inflammation. (c) The relation of Strumous Adenitis to Tubercle. (d) Tabes Mesenterica. Dr. H. R. Hutton (Manchester), Dr. W. C. Chaffey (Brighton), Dr. L. W. Marshall (Nottingham), Dr. E. H. Greves (Bournemouth), Dr. W. H. Day (London), Dr. King (Chester), Mr. E. L. Freer, and Dr. J. W. Byers (Belfast) will speak on these subjects. II. (a) The Operations for the Radical Cure of Hernia in Children and their value. (b) The Surgical Questions involved in the Practice of Excising Joints the seat of Disease in Childhood. Messrs. W. Watson Cheyne (London), Noble Smith (London), H. O'Neill (Belfast), Jordan Lloyd, Frank Marsh, R. N. Pughe (Liverpool), and Dr. L. H. Ormsby (Dublin), will join in these discussions. III. The Claims and Limitations of Physical Education in Schools. It is hoped that Sir Andrew Clark will open this discussion. The President, Dr. Clement Dukes, Mrs. Garrett-Anderson, and Mr. E. L. Freer, will take part in it.

The following papers have been announced:

FREER, E. L., M.R.C.S. 1. Kinesi-Therapeutics in Orthopedic Practice. 2. After-Treatment of Osteotomies for Deformities.
GAY, Wm., M.D. Periphereal Birth Palsy.
HAGYARD, Robert, M.B. A New Method of Performing Excision of the Knee Joint with a View to Preventing Shortening of the Limb.
MADDEN, Thomas More (Dublin), M.D. 1. On the Strumous Glandular Diseases of Childhood and their Relation to Tubercle. 2. On the Use and Abuse of Physical Education in Schools.
PARKER, R. W., M.R.C.S. 1. The Treatment of Simple and Suppurative Adenitis. 2. The Indications for the Radical Cure of Hernia in Children. 3. On Excising Joints in Childhood.
PUGHE, Rhinallt N., M.B., F.R.C.S. The Operations for the Radical Cure of Hernia.
WARNER, FRANCIS, M.D. Physical Education in Brain Training.
WRIGHT, G. A., M.B., F.R.C.S. The Causes and Treatment of Adenitis.

Demonstrations.—Mr. E. Luke Freer will give a demonstration of Kinesi-Therapeutics in connection with his paper. Mrs. Strahan Mathews (London) will demonstrate the system of Swedish exercises as used by the girls in the London Board schools. Miss Nyström and Miss Chapman will give a demonstration of the Sloyd methods for physical development.

Mason College—Language Room No. 2.

J. LARYNGOLOGY AND RHINOLOGY.—*President:* JOHN ST. SWITHIN WILDEBS, M.R.C.S. (Birmingham). *Vice-Presidents:* CHARBERS JAMES SYMONDS, M.D., F.R.C.S. (London); ARCHIBALD EDWARD GARROD, M.D. (London). *Honorary Secretaries:* ERNEST HENRY JACOB, M.D., 12, Park Street, Leeds; SCANES SPICER, M.D., 28, Welbeck Street, Cavendish Square, W.

The following subjects have been chosen for special discussion 1. The Treatment of Laryngeal Disease in Tuberculosis, opened by Mr. Charters J. Symonds (London) and Dr. Hunter Mackenzie (Edinburgh). Mr. Cresswell Baber (Brighton) and Dr. W. Charnley (Shrewsbury) will join in the discussions. 2. The Etiology, Significance, and Treatment of Spurs and Deflections of the Nasal Septum, opened by Dr. Woakes (London) and Mr. W. J. Walsham, F.R.C.S. (London).

Dr. Clifford Beale (London), Dr. Walker Downie (Glasgow), Dr. R. Ellis (Newcastle), Dr. William Hill (London), Dr. Greville Macdonald (London), Dr. David Newman (Glasgow), Dr. Scanes Spicer (London), and Dr. W. McNeill Whistler (London), have promised to take part in one or both of these discussions.

At the completion of these discussions, the time of the Section will be devoted to the reading and discussion of independent papers having reference to the special subjects embraced by the Section.

The following papers have been announced:

BALL, J. B., M.D. On Cough as a Symptom of Nasal and Pharyngeal Affection.
BRONNER, A., M.D. Some Common Affections of the Pharyngeal Tonsil and

their Relation to Diseases of the Ear, Throat, and Nose, with Special Reference to the so-called "Relaxed Throat."

BROWNE, Lennox, F.R.C.S.E. On Faucial and Pharyngeal Tenesmus.
DOWNIE, Walker, M.D. Some Unusually Large Nasal Polyp.
HARTNETT, J. F., M.D. The Advantages of Insufflation of Medicated Air over Inhalation, and on the Action of the Bronchopulmonary Insufflator.
HILL, William, M.D. On the Value of Hewetson's Method of Forcible Nasal Dilatation, especially in the Treatment of Anterior Nasal Stenosis.
HUNT, J. Middlemass, M.D. The Galvano-Cautery in Diseases of the Tonsils.
JACOB, E. H., M.D. On Functional Aphemia.
KANTHACK, A. A., M.D. On the Structure of the Vocal Cords.
MACDONALD, Greville, M.D. The Question of Excising the Tonsils.
MORTON, Charles A., F.R.C.S. A Case of Acute Inflammatory Swelling in connection with the Larynx resembling Primary Perichondritis.
NEWMAN, David, M.D. Malignant Diseases of the Nasal Fossae.
SAVILL, T. D., M.D. A case of Abductor Paralysis.
SPICER, Scanes, M.D. Medicated Nasal Cylinders in the Treatment of Hay Fever, Ozena, Catarrh, etc.
SYMONDS, C. J., F.R.C.S. The Treatment of Ozena.
TREVELYAN, E. F., M.D. On Two Cases of Double Abductor Paralysis of the Larynx of Uncertain Origin.

Mason College—Language Room No. 1.

K. OTOLOGY.—*President:* CHARLES WARREN, M.D., F.R.C.S. Ed. *Vice-President:* WILLIAM HILL, M.D., B.Sc. *Honorary Secretary:* ROBERT KERR JOHNSTON, M.D., 22, Lower Baggot Street, Dublin.

The following subjects are proposed for special discussion: 1. Intranasal Disease in relation to Deafness, excluding Post-nasal Catarrh and Adenoid Growths, to be opened by Mr. Lennox Browne, F.R.C.S. Edin. (London). 2. The Etiology of Tinnitus Aurium, to be opened by Dr. H. Macnaughton Jones (London).

The following gentlemen hope to take part in the discussions: Dr. Prosser James (London), Mr. T. Mark Hovell (London), Mr. Cresswell Baber (Brighton), Dr. Richard Ellis (Newcastle-on-Tyne), Mr. H. Bendelack Hewetson (Leeds), Dr. J. Ward Cousins (Portsmouth), Dr. J. M. Hunt (Liverpool), Dr. W. Charnley (Shrewsbury), Dr. T. Barr (Glasgow), Mr. W. Arbuthnot Lane, Mr. W. R. H. Stewart, Dr. Wm. Hill, Dr. E. Woakes (London), George Jackson, F.R.C.S. (Plymouth), Dr. John Bark (Liverpool), Dr. Walter Downie (Edinburgh), and Dr. Farquhar Matheson (London).

It is proposed to reserve the third meeting of the Section for the reading and discussing of Miscellaneous Papers.

The following papers have been announced:

BARR, Thomas, M.D. The Railway Whistle as a Cause of the Disturbance of the Hearing.
BRONNER, Adolf, M.D. On the Importance of Detecting and Treating Diseases of the Ear and Post-nasal Growths in the Children of our Board Schools.
COUSINS, J. Ward, M.D. 1. New Method of Removing Foreign Bodies from the Meatus. 2. The Value of Artificial Tympanic Membranes.
JACKSON, George, F.R.C.S. Notes on a Case in which Extensive Abscesses of the Scalp followed Trephining of the Mastoid for Chronic Suppuration of the Middle Ear.
LANE, Wm. Arbuthnot, M.B. The Treatment of Chronic Middle Ear Disease.
STEWART, Donald, M.D. On the Comparative Advantages of the Eustachian Catheter and Politzer's Bag for Inflation of the Middle Ear.
STEWART, W. R. H., F.R.C.S. Ed. Some Points in the Treatment of Chronic Suppuration of the Middle Ear, with Special Reference to the Abuse of Syringing.
TURNBULL, L., M.D. (Aural Surgeon to the Jefferson Medical College Hospital, Philadelphia). 1. The Etiology (or Causes) of Tinnitus Aurium. 2. Intranasal Disease causing Deafness; Enlargement (Hypertrophy) of the Pharyngeal Tonsil as a Cause of Deafness. 3. Fracture and Concussion (*Contrecoup*) of the Temporal Bone as a Cause of Deafness.
STONE, George, L.R.C.P. (Liverpool). A Case of Intense Bilateral Otalgia depending on a General Neurotic Condition.

Dr. J. Ward Cousins has promised to demonstrate on some patients the Use of his Antiseptic Artificial Drumhead.

Mason College—Mathematics Theatre.

L. DERMATOLOGY.—*President:* JONATHAN HUTCHINSON, F.R.S. (London). *Vice-Presidents:* MALCOLM A. MORRIS, F.R.C.S. Ed. (London); H. RADCLIFFE CROCKER, M.D. (London). *Honorary Secretaries:* GILBERT SMITH, F.R.C.S. Edin., 41, Newhall Street, Birmingham; THOMAS COLCOTT FOX, M.B., 14, Harley Street, Cavendish Square, W.

It is hoped that there will be a demonstration of living cases, of drawings, and of microscopical specimens each morning. The greater part of the time daily will be devoted to the discussions of the following subjects: Wednesday morning, July 30th, Alopecia Areata, introduced by Dr. Radcliffe Crocker. Thursday morning, July 31st, Vaccination Rash, introduced by Mr. Malcolm Morris. Friday morning, August 1st, Treatment of Eczema, introduced by Dr. Unna (Hamburg).

The following papers have been announced:

BULKLEY, L. D., M.D. (New York). Notes on Feigned Eruptions.
MAPOTHER, E. D., M.D. Treatment of Psoriasis by Mercury.
MILTON, J. Laws, M.R.C.S. The Principles on which the Treatment of Eczema should be based.
MYRTLE, A. S., M.D. (Harrogate). Diathesis in Connection with Eczema and Psoriasis.

SHOEMAKER, J. V., M.D. (Philadelphia). Explanation of the Sudden Blanching of the Hair.
STARTIN, James, M.R.C.S. (London). Diet in Skin Diseases.
WALSH, D., M.D. (Birmingham). Dermatitis as an Excretory Symptom.

Honorary Local Secretaries:

R. SAUNDY, M.D., 83A, Edmund Street, Birmingham.
JORDAN LLOYD, F.R.C.S., 22, Broad Street, Birmingham.
A. HARVEY, M.B., 161, Lozells Road, Birmingham.

PROGRAMME OF PROCEEDINGS.

TUESDAY, JULY 29TH, 1890.

9.30 A.M.—Meeting of 1889-90 Council, Small Lecture Theatre, Midland Institute.

11.30 A.M.—First General Meeting. Report of Council Reports of Committees; and other business.

4 P.M.—Service in the Parish Church of St. Martin's. The Sermon will be preached by His Grace the Archbishop of Canterbury.

8.30 P.M.—Adjourned General Meeting from 11.30 A.M. President's Address, Large Lecture Theatre, Midland Institute.

WEDNESDAY, JULY 30TH, 1890.

9.30 A.M.—Meeting of 1890-91 Council, Small Lecture Theatre, Midland Institute.

10 A.M. to 2 P.M.—Sectional Meetings.

2.5 P.M.—Excursion to Lichfield to attend Service and view Cathedral.

3 P.M.—Second General Meeting. Address in Medicine by Sir B. WALTER FOSTER, M.D., M.P., Large Lecture Theatre, Midland Institute.

4 P.M. to 6 P.M.—Garden Party at Wyddrington, Edgbaston, the residence of Mr. and Mrs. J. E. Wilson.

9 P.M.—Reception by the Worshipful the Mayor of Birmingham in the Council House.

THURSDAY, JULY 31ST, 1890.

9.30 A.M.—Meeting of the Council, Small Lecture Theatre, Midland Institute.

10 A.M. to 2 P.M.—Sectional Meetings.

3 P.M.—Third General Meeting. Address in Surgery by LAWSON TAIT, F.R.C.S. Presentation of the Gold Medal for Distinguished Merit to Surgeon T. H. Parke, A.M.S., Large Lecture Theatre, Midland Institute.

4.30 P.M. to 6 P.M.—Reception by the Midland Association of Volunteer Medical Officers to Officers of Her Majesty's Medical Services.

4.30 P.M. to 7 P.M.—Garden Party: Mrs. Willoughby Wade.

7 P.M.—Public Dinner of the Association.

8 P.M.—Concert in the large Theatre of the Midland Institute. Excursion to Burton to visit the breweries, if party can be made up.

FRIDAY, AUGUST 1ST, 1890.

10.10 A.M.—Excursion to Droitwich to view the Baths and Salt Works.

10.30 A.M. to 1.30 P.M.—Sectional Meetings.

3 P.M.—Concluding General Meeting. Address in Therapeutics by W. H. BROADBENT, M.D., Large Lecture Theatre, Midland Institute.

4 P.M. to 6 P.M.—Garden Party at Ashfield, Edgbaston, the residence of Sir Walter and Lady Foster.

9 P.M.—Reception by the President of Mason College and Mrs. Lawson Tait.

4.10 P.M.—Excursion to Dudley Castle.

SATURDAY, AUGUST 2ND, 1890.

9.10 A.M.—Excursion to Coventry.

9.40 A.M.—Excursion to Kenilworth, Leamington, and Warwick

9.40 A.M.—Excursion to Stratford-on-Avon.

9.40 A.M.—Excursion to Worcester and Tewkesbury.

THE ANNUAL MUSEUM.—Queen's College Museum.

IN connection with the fifty-eighth annual meeting of the British Medical Association, the Museum and Exhibition will be held in the Queen's College, Paradise Street, Birmingham, close to the building in which the sectional meetings will be held. The Museum will be arranged in the following Sections:—

SECTION A.—Food and Drugs, including Antiseptic Dressings and other Chemical and Pharmaceutical Preparations. (Honorary Secretary, Dr. Stacey Wilson, 65, Temple Row, Birmingham.)

SECTION B.—Pathology, comprising Casts, Models, Diagrams, Apparatus, Microscopical and Spirit Preparations, etc. (Honorary Secretary, Dr. G. F. Crooke, 2, Edmund Street, Birmingham.)

SECTION C.—Anatomy and Physiology, comprising Special Dissections, Methods of Preparation, Drawings, Models, and Microscopic Preparations. (Honorary Secretary, Dr. A. E. Mahood, Queen's College, Birmingham.)

SECTION D.—Instruments and Books, including Appliances, Ambulance, Medical, Surgical and Electrical; Microscopes and Microtomes. (Honorary Secretary, Mr. Gilbert Barling, M.B., F.R.C.S., 85, Edmund Street, Birmingham.)

SECTION E.—Sanitary Appliances. (Honorary Secretary, Dr. A. Bostock Hill, 14, Temple Street, Birmingham.)

To Non-Professional Exhibitors.

IN consequence of the increasing cost of these exhibitions charges will be made to exhibitors (other than members of the medical profession), according to the space occupied.

Regulations Regarding Exhibits.

1. Intending exhibitors must communicate with the Secretaries of each Section in which they propose to exhibit, and a brief description of each exhibit for insertion in the Museum Catalogue must be in the hands of the respective Secretaries before June 29th.

2. All exhibits should be addressed to the "Secretary of the Museum, British Medical Association, Queen's College, Birmingham," with the name of the Section for which they are intended. Packages should not be addressed to a firm's representatives at the Museum.

3. Communications on general matters connected with the Museum to be addressed to the Museum Secretary, Mr. Gilbert Barling, M.B., F.R.C.S., 85, Edmund Street, Birmingham.

All communications respecting advertisements in the Museum Catalogue must be made to Mr. Edward B. Lawley, Queen's College, Birmingham.

GILBERT BARLING, M.B., F.R.C.S. Hon. Sec.

BERTRAM C. A. WINDLE, M.A., M.D., Chairman.

DINNER tickets, price 21s. with wine, and 15s. without wine, can now be obtained on application, with remittance, to Mr. Augustus Clay, Grendon Villa, Moseley, Birmingham.

It is particularly requested that members, on their arrival, will at once proceed to the reception room, which is at the Town Hall, at which each member should enter his name and address, receive his member's card and daily journal, inquire for telegrams and letters, and consult the list of lodgings and hotels, etc.

The building formerly used as a Liberal Club in Congreve Street will be converted into a club house for the use of members, where luncheons can be procured on reasonable terms. Luncheons will also be provided at the Birmingham School of Cookery, at the Midland Institute, opposite the Town Hall, and is open to all members of the Association on production of their tickets of membership.

EXCURSIONS.

THE railway companies will issue return tickets at single fares from Birmingham to all places within a radius of 50 miles.

1. *Burton-on-Trent*.—Any members visiting Burton-on-Trent will be permitted to go over the breweries, on production of their tickets of membership. If a party can be made up to visit Burton on any afternoon, except Saturday, Dr. W. G. Lowe will be pleased to meet the members and provide for their entertainment. Notice of this will have to be given on the previous day. Return ticket at single fare, 2s. 4d. each.

2. *Lichfield* (Wednesday, July 30th).—There is a train leaving New Street Station at 2.5, arriving at 2.35. The Dean and Chapter kindly offer special facilities for the inspection of the cathedral and its contents. The afternoon service is held at 4 o'clock. The party will be entertained at tea at the George Hotel at 4.45. One hundred and fifty tickets will be issued for this excursion; application must be made for these at the reception-room not later than 12 o'clock on the same day. Tickets 1s. 6d. to 1s. 9d. each.

3. *Droitwich* (Friday, August 1st).—The train will leave New Street Station at 10.10, arriving at 11.15. The excursion will be met by Dr. Roden, and a visit will be paid to the baths and salt works, after which the party, through the kindness of Mr. John Corbett, M.P., will be taken over Impney House and grounds, and entertain. d at luncheon at 2 o'clock, returning by the 3.30 train. Tickets 1s. 9d. each. The Midland Railway Company will probably provide a special train.

4. *Dudley Castle and Caverns* (Friday, August 1st).—A special train will leave Snow Hill Station at 4.10, returning at 7.5. After visiting the ruins of the Castle and the famous limestone caverns, the party will be entertained at tea about 6 o'clock. Three hundred tickets to be issued at 9d. each. Application must be made not later than 4 o'clock on the previous day.

5. *Kenilworth, Leamington, and Warwick* (Saturday, August 2nd).—A special train will leave Snow Hill Station at 9.40 A.M., reaching Warwick at 10.20. The party will drive by Guy's Cliff to Kenilworth, and from there by way of Stoneleigh Abbey to Leamington, where luncheon will be provided in the Town Hall at 1.30. After viewing the Pump Rooms and Jephson Gardens, they will drive to Warwick, and visit the Castle, St. Mary's

Church, and the Leicester Hospital. Tea will be provided at the Court House, after which they will return to Leamington in time for an illuminated concert to be held in the Jephson Gardens. A special train will leave for Birmingham at 9.45 P.M. Two hundred and fifty tickets will be issued at 5s. each. Those wishing to stop until Monday can obtain all information as to accommodation from Dr. Rice, 51, Parade, Leamington.

6. *Worcester and Tewkesbury* (Saturday, August 2nd).—A special train will leave New Street at 9.40, reaching Worcester at 10.20. The Royal Porcelain Works will be visited, and at 12 o'clock there will be an organ recital in the Cathedral. Luncheon will be served in the Guildhall at 1 o'clock. At 2.30 the party will proceed by steamer to Tewkesbury, and visit the Abbey. The steamer will reach Worcester again about 8 P.M.; tea and light refreshments on board. A special train will leave Shrub Hill Station for Birmingham at 9 P.M. One hundred tickets will be issued at 2s. 2d. each. Those who are unable to obtain excursion tickets can obtain tickets for the luncheon alone for 5s., or a ticket to include everything but the boat to Tewkesbury (on which accommodation is limited) for 7s. 2d.

7. *Stratford-on-Avon* (Saturday, August 2nd).—Two hundred tickets will be issued at 7s. 6d. each. A special train will leave Snow Hill Station at 9.40, stopping at Hatton Junction, where members holding tickets numbered from 121 to 200 must change and proceed by train to Stratford. The others will go on to Warwick, and drive through Charlcote to Stratford, visiting Ann Hathaway's Cottage at Shottery on the way. The two parties will meet at the Town Hall for luncheon about 1 P.M., and will afterwards be shown the birthplace of Shakespeare, New Place, the Church of the Holy Trinity, and the Memorial Theatre. The special train will leave Stratford at 7.30. A train for London leaves at 6.30. This excursion will be under the personal guidance of Mr. R. Latimer Greene and Mr. Lawson Tait.

8. *Coventry* (Saturday, August 2nd).—Leave New Street Station at 9.10, arrive Coventry 9.52. On arriving at Coventry the party will be met by representatives of the medical profession, and divided into three sections; one will be taken to Messrs. Rotherham and Sons' Watch Manufactory, another to Messrs. Singer's Cycle Works, and the third to Messrs. Stevens' Ribbon and Fancy Weaving Factory. After visiting these factories, they will all meet at St. Mary's Hall, and luncheon will be served at 1 o'clock. After luncheon the visitors will be shown St. Michael's Church, the Church of the Holy Trinity, and St. John's Church; also the remains of the old Cathedral, Bablake and Ford's Hospital, and the old city gateways. Trains leave Coventry for Birmingham at 4.10, relief train, 4.30, 5.8, and 6.30, relief train. One hundred and fifty tickets will be issued at 2s. In order to facilitate the arrangements, members are requested when applying for tickets to state which of the factories they wish to visit, so that they may be given distinctive tickets.

9. *The Lye Cross Pits*.—The Lye Cross Pits, near Dudley, which visitors to the annual meeting at Birmingham will have an opportunity of descending, are by far the most interesting in the district. The celebrated Staffordshire ten-yard seam which is worked is here covered by an eruption of Rowley trap rock, and the dykes where the trap has burnt its way through the thick coal may be seen in the pit. The pit belongs to Lord Dudley, and his manager, Mr. Cloughton, has kindly promised to take down a party not exceeding 100 on Thursday morning, and will provide light refreshment. Train will leave New Street for Dudley at 10.5 A.M.; thence carriages will be provided. Return fare, rail and carriage, 2s. 6d. It will facilitate arrangements if intending visitors will send post-card as early as possible to Mr. Garner, Medical Institute.

NOTICES OF MOTION.

Dr. HUGH WOODS hereby gives notice that he will move the following proposed addition to by-laws:

Each Branch shall elect all its representatives on the Council of the Association at the annual general meeting of the Branch, and any member duly proposed and seconded at such meeting by members of the Branch shall be considered duly nominated. The names of those thus proposed and seconded shall be submitted in alphabetical order to the meeting, and those who obtain most votes shall be considered elected.

Dr. HUGH WOODS also gives notice that he will move:

That the resolution passed at Leeds authorising the payment of Branch representatives be inserted in the by-laws of the Association.

Dr. RENTOUL hereby gives notice that he will make the following motion on the proposed increase in the number of direct representatives on the General Medical Council:

That having regard to the fact that of a total number of thirty members comprising the General Council of Medical Education and Registration, the

registered medical practitioners of the three divisions of the United Kingdom (numbering over 24,000), are now empowered to elect only five direct representatives, it is expedient to confer on the said registered medical practitioners of the three divisions of the United Kingdom the power of returning one additional direct representative for each of the three divisions of the United Kingdom to the General Medical Council.

That a copy of the resolution be forwarded by the General Secretary of the Association to the General Council of Medical Education, and that they be requested to represent to the Privy Council that it is expedient to confer upon the registered medical practitioners the power of returning such additional direct representatives, as provided by Section 10 (c), of the Medical Act, 1886.

That a copy of this resolution be also forwarded by the General Secretary of the Association to the Privy Council.

The Registration of Midwives.—Dr. RENTOUL also gives notice that he will move:

That it is the opinion of this meeting that no new order or class of midwifery practitioners is required, and that any Act passed by Parliament which provided that any man or woman may practise midwifery, either as a registered midwife or registered medical practitioner, unless such have undergone a period of four years' study at a recognised school of medicine, and possess a degree or diploma recognised at present by the General Medical Council, would be injurious to the lives of lying-in women and infants, and prejudicial to the best interests of the medical profession. Also, that the Local Government Board be requested to put into force in each Union the General Order of the Poor-law Commissioners of 1847, Acts 182 and 183, empowering guardians to pay certain fees to their medical officers, in cases of childbirth and puerperal maladies.

That a copy of this resolution be forwarded by the General Secretary of the Association to the General Medical Council, both Houses of Parliament, the President of the Local Government Board, to the daily press, and to the medical journals.

Reform of the In-patient Departments of Medical Charities.—Dr. RENTOUL also gives notice that he will move:

"Wage Limits" for In-patients.—When a single wage earner is, or has been, in receipt of an income not exceeding 20s. per week from all sources, for three months immediately preceding the application for in-patient relief; and when the combined income of a family does not exceed 35s. per week from all sources for three months previous to the application, that such only shall be eligible for in-patient treatment, provided that when an illness exceeds three weeks, the above wage limits may be subject to a little modification. That the system of inquiry used by the Manchester Royal Infirmary, and by the Royal Salford Hospital, when making inquiries regarding the pecuniary circumstances of such applicants, be recommended, and that all the medical charities in a city or town adopt a uniform wage limit.

Accident and Urgency Cases.—When accident and urgency cases are admitted for temporary in-patient treatment, and when their weekly incomes are found on investigation to exceed the above wage limits, that payments be made by such patients of an amount similar to the fees charged by the visiting medical staff to private patients having a like income; and that the proceeds of such charges be applied towards the maintenance of the charity only. That this rule apply equally to out and home hospital patients.

Pay Beds and Pay Wards.—That the adoption of the system of pay beds and pay wards is derogatory to the true aims of our medical charities, as by deflecting them from their chief purpose it is likely to exclude the genuine sick poor; to compete unjustly with medical practitioners; while as a financial help the selling of charity to a class of the community able to provide for themselves has generally proved futile.

That the above resolutions be added to the report of the Medical Charities Committee appointed by the Council, and that a copy of the report be forwarded by the General Secretary of the Association to the General Medical Council, the universities and colleges of the United Kingdom, the Committees of the different medical charities, the Committees of provident dispensaries, the Poor-law boards of guardians, and the daily press, and that the replies received be printed in the JOURNAL. That such printed report be supplied at cost price to those practitioners interested in the reform of our medical charities.

Dr. RENTOUL also gives notice that he will move:

That a reform of the provident dispensary system of insurance for medical treatment during sickness is urgently called for. It is recommended that only wage earners in receipt of the following weekly income, from all sources, be eligible for admission as benefit members—namely, single man or woman, 20s.; man and wife, 25s.; and an allowance of 1s. 6d. opposite each member of the family under 14 years of age; thus giving a man and wife with a family of eight children the power to insure, although the conjoint weekly income is 39s.

That the reform of friendly societies, tontines, and medical aid associations is urgently called for (in as far as relates to the remuneration of medical practitioners acting to such societies). It is suggested (in as far as relates to insuring for medical benefits) that wage earners making up to 30s. per week, from all sources, be eligible; that a sum of not less than 5s. per annum for members be paid to the medical officer; also a fee of 2s. 6d. for the entrance examination and certificate to be paid to him, either by the club or by the applicant; and a sum of 6d. for each prescription, to be paid to him by the sick member.

Surgeon-Major INCE hereby gives notice that he will move:

1. That the Council of the Association be enlarged by the co-optation of members of the Council itself, analogously to the system adopted in the constitution of county councils; and that the number of such co-opted members be in the same proportion as in the said county councils.

2. That in future no motion affecting the by-laws shall be passed at any general meeting of the Association unless there be a full quorum present; and that such quorum shall consist of not less than one-third of the members attending the then current congress.

Mr. BRINDLEY JAMES hereby gives notice that he will move:

A. That in future the whole of the transactions of the annual meeting be published in book form, and distributed to the members as soon as possible after the annual meeting of the British Medical Association.

B. That the library of the British Medical Association be kept open from 10 A.M. till 8 P.M. in the winter, and from 10 A.M. till 10 P.M. in the summer, months.

FRANCIS FOWKE, General Secretary.

for services rendered is appreciated by everyone, and the amount received by the dispensary doctor comes to be considered a fair return for his services. It should be remembered that a process of conversion has been silently going on in many dispensaries, until that which was started by charitable effort has become a co-operative store for drugs and doctors. But the dispensary doctor is still paid at the old rate of remuneration, though all sorts and conditions of men are now invited to share in the advantages of these institutions. The fact is of serious import, that some of the largest dispensaries already repudiate the name of charity, and ignore the safeguards of the wage limit system. But the position of medical science in popular estimation is more likely to be affected by the inferior quality of the work done than by any other factor in the matter. Some experience of dispensary treatment has led me to believe that the prevalence of the idea that the dispensary doctor receives a fair return for his services has had an effect on that official himself, and that it has sometimes led him to adopt very loose methods of treatment.

A critical examination of the abuses engendered by the dispensary system would occupy too much space. I will only briefly refer to the most obvious—the reprehensible practice of prescribing for patients without seeing them (I have seen a case of strangulated hernia the victim of this practice), and that of minimising the importance of their ailments (a man with commencing pneumonia, temperature 103.5°, was told by his “contract” doctor there was nothing much the matter with him). We may believe that such abuses are exceptional or not—as our experience teaches us—but, undoubtedly, the dispensary system is that which renders them possible, and, in certain cases of overgrowth, inevitable. It has been said that no great abuses can exist in the face of the fact that such and such dispensaries continue to add to their numbers. However plausible such an argument may seem, it does not agree with facts. The truth is that the pecuniary advantages of belonging to a dispensary are very evident to a class of people whose ideas of medical treatment are generally somewhat limited, and who certainly have no clear knowledge of the abuses referred to. Should a calamity occur, *mors silet*; one or two families may be offended, but the dispensary is practically unaffected. The great increase in the number of dispensary patients is one of the chief causes of abuse, and cannot be considered as furnishing a proof that abuses do not exist. Time may prove an avenger in this matter; but before people find out that it is not possible to purchase first class mental effort at the price of unskilled labour, it is probable that the profession will have fallen some degrees in public estimation. If the hospital has done much to teach the people that there is no need to pay the doctor, it is to be feared that the lesson men are learning of the dispensary is that there is no use in paying the doctor.

Let us not, as a profession, countenance the abolition of the out-patient department to make room for a system of dispensaries.

THE REFORM OF OUR MEDICAL CHARITIES.

DR. ROBERT R. RENTOUL, (Liverpool), writes: It may interest those who are working on behalf of our valuable charities to know that the Medical Society of Victoria, Australia, has passed the following resolutions:—

“This Society is of opinion that—1. Great imposition on the part of well-to-do people is practised at the public hospitals which is contrary to the principle on which these institutions were founded, and on which they should be conducted. 2. All hospitals receiving Government aid annually should be devoted solely to the treatment of the destitute poor. 3. Paying patients should not be admitted into hospitals receiving Government aid granted for the benefit of the destitute poor. 4. A ‘wage limit’ should be fixed for all hospitals (i.e., all those earning more than a certain amount should be excluded). 5. That the circumstances of each applicant for admission should be investigated by an officer of the hospital appointed for the purpose, who should use wide discretionary power in special cases.”

I may just add that at the Royal Hospital, Belfast, and at the Southport Infirmary the “wage limit” has been put into force. Glasgow and Liverpool have thrown open their corporation fever hospitals for the instruction of students, while the Poor-law authorities at Belfast, recognising the vast mine of teaching material contained in their workhouse infirmary, has opened this also for the use of students. Manchester, Chorley, Portsmouth, Stafford, Bristol, Coventry, Hull, Oldham, Preston, Warrington, Wigan, Salford, have all fixed a “wage limit,” and so the important question—For whose use do our medical charities exist? is being answered in a practical manner and in a way which will soon restore the public confidence in hospital management and administration and encourage people to give more liberally.

UNIVERSITIES AND COLLEGES.

EXAMINING BOARD IN ENGLAND BY THE ROYAL COLLEGES OF PHYSICIANS AND SURGEONS.—The following gentlemen passed the Second Examination of the Board in Anatomy and Physiology at a meeting of the Examiners on July 9th, namely:

W. F. Peacock and F. P. Piper, students of St. Mary's Hospital; C. W. Moorshead, L. A. Parry, and V. Pendred, of Guy's Hospital; A. F. Stevens and H. C. J. Stevens, of St. Bartholomew's Hospital; G. F. Damman and E. J. Gleeson, of Melbourne University; J. Snowman, E. Williams, and E. M. White, of London Hospital; and C. Wace, of King's College.

Passed in Anatomy only.

F. Whitelaw, of St. Mary's Hospital.

Passed in Physiology only.

G. A. Skinner, G. E. Lockver, and D. A. Martin, of Guy's Hospital; H. Der Stepanian and T. Smith, of London Hospital; and F. P. Rose, of London Hospital and Mr. Cooke's School of Anatomy and Physiology.

Passed in Physiology only on July 10th.

F. P. Bush, J. O. Williams, F. A. Robinson, and J. J. E. Biggs, of Guy's Hospital; C. J. Harrison, of University College; E. E. Elliot, S. E. Gill, A. L. Saunders, and E. Kennington, of St. Bartholomew's Hospital; H. W. Hull, J. G. Scheurer, R. M. Russell, and A. H. Turner, of London Hospital; E. H. Worth, of St. Thomas's Hospital; H. B. Ellerton and J. C.

S. Matthews, of St. Mary's Hospital; B. W. Swenden and A. E. Weston, of St. George's Hospital; H. S. Nicholls, of Middlesex Hospital; and E. A. Rogers, of King's College.

ROYAL COLLEGE OF SURGEONS IN IRELAND.—The following gentlemen having passed the necessary examination have been granted the Diploma in Public Health of the College, W. J. Harnett, F.R.C.P. Edin., 1887, L.R.C.S.I., 1885; and T. W. Kyle, M.D., 1878, M.Ch., 1875, Queen's University, Ireland.

KING AND QUEEN'S COLLEGE OF PHYSICIANS IN IRELAND.—At the quarterly examination for the Membership of the College, held in July, 1890, the following candidates were successful, and have been duly enrolled Members of the College under the provisions of the Supplemental Charter of Victoria:

J. Craig, M.B. Univ. Dubl., 45, York Street, Dublin; H. C. Drury, M.B. Univ. Dubl., 27, Lower Baggot Street, Dublin.

MEDICO-PARLIAMENTARY.

HOUSE OF LORDS.—Thursday, July 10th.

The Elementary Education (Blind and Deaf) Bill.—Viscount CRANBROOK moved the second reading of this Bill, which he said was intended to carry out the recommendations of the Royal Commission which had been appointed to inquire into the question. The Bill was read a second time.

Infectious Diseases (Prevention) Bill.—This Bill passed through Committee. *The Custody of Children Bill.*—This Bill passed through Committee without amendment.

Monday, July 14th.

Infectious Disease (Prevention) Bill.—The report of amendments in this Bill was received.

Tuesday, July 15th.

Barracks Bill.—This Bill passed through Committee.

Public Health (Scotland) Act (1887) Amendment Bill.—This Bill was read a third time.

Custody of Children Bill.—The report of amendments on this Bill was brought up and agreed to.

Infectious Diseases Prevention Bill.—This Bill was read a third time.

HOUSE OF COMMONS.—Thursday, July 10th.

The Provincial Colleges and the Proposed New Charter for the University of London.—MR. G. O. MORGAN asked the Vice-President of the Committee of Council on Education whether the proposed scheme for the establishment of a teaching university for London would be laid upon the table of the House before it was finally confirmed; and whether before such confirmation an opportunity would be afforded to the University Colleges in the provinces of expressing their views on the provisions of that scheme. MR. JACKSON said under the College Charter Act, 1871, a copy of every draft charter for the foundation of any college or university must be laid before both Houses of Parliament for thirty days before it was submitted to Her Majesty for approval. Every opportunity would be given to the provincial colleges for expressing their views on the subject. The scheme had not been as yet submitted to the Privy Council Office.

Monday, July 14th.

Infectious Diseases (Notification) Act.—MR. RITCHIE, in reply to MR. BOND, said the Infectious Diseases (Notification) Act, 1889, had been adopted in 481 urban sanitary districts, 337 rural sanitary districts, and 18 port sanitary districts. The Act was in force throughout London, without adoption. Compulsory notification was also in force under local Acts in 56 other districts. The population of the districts where there was a system of compulsory notification in force was, according to the census of 1881, 19,316,000, the total population of England and Wales being 25,971,000. He had no special reports on the subject, but he had no doubt whatever that the notification of infectious diseases would have results beneficial to the public health, and he was glad to say that the arrangements had worked to a remarkable degree without friction.

Life-Saving Appliances.—SIR M. HICKS-BEACH, in reply to DR. CAMERON and MR. C. WILSON, said he was not prepared to alter or modify the life saving appliance rules. The Statutory Committee, appointed under the Merchant Shipping (Life Saving Appliances) Act, 1888, were of opinion that the rules now before the House were practicable and necessary.

Mortality in Cornish Mines.—MR. STUART-WORTLEY, in reply to MR. CONY-BEARE, said the Secretary of State had had for some time past under his consideration the question of amending the law as to metalliferous mines, and a Bill had been for some time in draft having for its object the better regulation of these mines, with a view to lowering the rate of mortality.

MEDICAL NEWS.

PROFESSORS Leech, Stirling, Banks, and McGill, have been appointed as delegates by Victoria University to represent the University at the Berlin Medical Congress.

THE Royal Agricultural Society have decided to make an annual grant of £500 to the Royal Veterinary College for the purpose of founding a chair of Comparative Pathology and Bacteriology upon certain conditions.

We are asked to contradict a statement which has been pretty freely circulated, to the effect that the Maloja Kursaal is closed—a rumour which has probably arisen from the closure of the hotel for winter seasons.

PRINCESS LOUISE, Marchioness of Lorne, opened on June 15th a grand fête in Knole Park, Sevenoaks, in aid of the Kent Nursing Institution. There was a large and distinguished gathering and the weather was brilliant.

LEPROSY IN DUTCH GUIANA.—According to statements made by the Roman Catholic Bishop of Dutch Guiana, leprosy prevails to a more serious extent in that colony than is generally supposed. Three of the Redemptionist fathers have been attacked by the disease, and one is now slowly dying of it at the leper station of Batavia.

A CONGRESS of Microscopists will be held in Detroit on August 12th and three following days. The presidential address will deal with the influence of electricity on protoplasm, and among the papers announced is one by Professor Marshall D. Ewell, of Chicago, on some of the medico-legal questions involved in the Cronin case.

MEDICAL EDUCATION IN BUENOS AYRES.—According to the *Medical Record* of New York there were, in 1889, 430 medical students attending the University of Buenos Ayres, but only 43 graduates in medicine in that year. The number of students would therefore seem to be increasing at an extraordinary ratio, although of the total number of 430, 46 were women who were preparing to practise rather as midwives than as physicians.

AN UNUSUAL CASE OF POISONING.—Death from the use of a hot air inhalation apparatus is reported by the *Medical Record* of New York, but not directly traceable to the high temperature of the air. The bulb of the thermometer used in the apparatus broke and the mercury appears to have been volatilised and oxidised. The patient, a lady, persevered in the use of the appliance until seized with sudden illness, which proved fatal the next day.

LADIES AND SANITATION.—The Ladies' Health Protective Association of New York appear to be doing most useful work. During the past two years it took action with regard to gas-houses, slaughterhouses, stable refuse, street cleaning, public sewers, school hygiene, tenement houses, public water supply, and the appointment of women as inspectors of factories and police matrons.

PLAYING FIELDS FOR LONDON.—A meeting was held at the Mansion House, on July 16, in support of the improvement and further provision of playing fields for London, as distinguished from ornamental open spaces. The committee formed appealed to all who recognised the absolute necessity to the men and lads of a great city of healthy exercise and wholesome recreation, to supply the sum of £10,000, which was wanted at the outset in order to enable the committee to carry out the practical steps already decided upon.

ACCORDING to the figures put officially before the Select Committee of the House of Commons on Deleterious Spirits, on July 15th, there are sold, one year with another, in this country as whisky 21,828,284 gallons of a decoction which is not whisky at all; 6,000,000 gallons more stuff that is not gin and brandy are sold as such; nearly 14,000,000 gallons of potato and rice spirit are imported, and 12,500,000 gallons consumed under the idea that the fluid is rum or gin.

THE Countess of Rosebery distributed on Tuesday, July 15th, the prizes to the students of the Association for the Oral Instruction of the Deaf and Dumb. Earl Granville presided, and, a satisfactory report having been presented, some interesting illustrations of the method of teaching deaf mutes to speak were given, under the direction of Mr. Van Praagh, the students pronouncing with wonderful distinctness difficult words and sentences. An address was given by a youth of 16, and a young lady of the same age recited a verse of the National Anthem with great distinctness.

SOCIETY FOR RELIEF OF WIDOWS AND ORPHANS OF MEDICAL MEN.—A quarterly Court of the Directors of the Society was held at 20, Hanover Square, on Wednesday, July 9th, Mr. Tegart, Vice-President, in the chair. One new member was elected, the deaths of four were reported, and two gentlemen had ceased to be members. Fresh applications for relief were read from two widows and four orphans, and grants were made them. It was

resolved that a sum of £1,387 should be distributed among the 63 widows and 18 orphans receiving assistance from the Society. The expenses of the quarter amounted to £44 15s. 6d.

MEDICAL EDUCATION IN THE UNITED STATES.—Nearly one hundred delegates attended the meetings held at Nashville, during the Congress of the American Medical Association, to make arrangements for enforcing a uniform standard of preliminary and medical education. Fifty-seven colleges were represented and the "American Medical College Association" was organised. The consenting colleges agree to insist on a three years' course; a preliminary examination in English, Latin, higher mathematics, and elementary physics; laboratory course in chemistry, histology, and pathology; and oral and written examinations.

CHOLERA IN SPAIN.—The official statistics state that there were 251 fatal cases of cholera out of 445 persons attacked in Spain. In the province of Valencia the greatest number of cases (141) and deaths (85) occurred in Paebla de Rugat, where the first outbreak took place. The epidemic has totally disappeared from there now. From Rugat the cholera travelled down the little river that flows from that place to the sea, cases occurring in places situate below Rugat on the river, and in some villages to which it seems to have been carried by fugitives from Rugat.

MEDICAL MEMBERS OF THE CANADIAN LEGISLATURE.—The *Toronto Medical Journal* says: We are pleased to notice that the doctors did remarkably well in the recent provincial elections. There will be eleven physicians in the next Parliament: Dr. Baxter, of Haldimand; Dr. McKay, of South Oxford; Dr. Dowling, of South Renfrew; Dr. McKay, of West Victoria; Dr. McMahon, of North Wentworth; Dr. Gilmour, of West York; Dr. Barr, of Dufferin; Dr. Preston, of Leeds; Dr. Willoughby, of East Northumberland; Dr. Wylie, of West Simcoe; and Dr. Meacham, of Lennox. Of these, our contemporary understands, the first six are called Reformers, while the remaining five are known as Conservatives.

ABUSE OF ABDOMINAL SECTION.—In a report drawn up and read before the Illinois State Medical Society last May, Dr. L. A. Malone made a serious statement respecting the rash manner in which abdominal section is now performed by men with little surgical experience. "Since Lawson Tait electrified the world by his wonderful successes, emulators have become numerous everywhere. There is scarcely a hamlet in the United States to-day where may not be found at least one who has opened a woman's belly and erected a tombstone to the memory of his daring. All sorts of mental disturbances and neuralgias have been made a pretext for the operation. Dr. Malone has seen normal ovaries offered as a justification for their removal, the patient being a hysterico-epileptic."

FATAL HÆMORRHAGE FROM LACERATION OF THE VULVA.—Dr. Drzmalik has noted, in the *Wiener klinisch. Wochenschrift*, a case of great medico-legal interest. The patient was a woman, aged 24, in the eighth month of her first pregnancy. She was seized with faintness in the hall of a house, leant against the wall for support, but gradually slipped down on to the ground with her thighs extended. She was picked up unconscious and bleeding, and soon died. No trace of violence could be found on the body. The thorax was not opened. The uterus was found enlarged to the usual degree at the eighth month of pregnancy. It contained twins, with distinct placenta inserted high up on the side of the uterine wall. The cervix was plugged with mucus. Immediately above the meatus urinarius was an angular laceration, the meatus lying close to the apex of the angle. There was no trace of any other injury. Dr. Drzmalik felt confident that the wound was the source of hæmorrhage, and of this there could be little doubt. He further was satisfied that the wound was caused by sudden and extreme abduction of the thighs.

THE NIGHTINGALE FUND.—The report of the Nightingale Fund for 1889, which has just been issued, states that during the year twenty-six probationer nurses were entered on the Register of Certified Nurses after satisfactorily completing their year of training; twenty-four of these nurses received appointments in St. Thomas's Hospital, in other hospitals, or in connection with district nursing institutions. Many of the nurses trained in former years are now employed on the staff of some hospital or dispensary, and no fewer than forty-five hold the responsible post of matron or superintendent of nurses. Fifteen probationers have completed their year's training at the St. Marylebone Infirmary

Nursing School, which is in connection with the Nightingale Home, and have all received appointments as nurses on the staff of the Infirmary.

EARLY STRUGGLES.—It is said that Dr. D. Hayes Agnew, the eminent American surgeon, at first met with most severe discouragement; after struggling on for three years, he gave up the attempt to live by medical practice and "kept a store" in a small country town, in which he sold rope, sugar, tea, molasses, rakes, summer bonnets, nails, flour, and all the thousand and one "lines" which a village shop deals in. At length he ventured back to his true vocation, and after a desperate struggle won a brilliant victory. Dr. Joseph P. Ross, who was Professor of Clinical Medicine in Rush Medical College, Chicago, and for many years held an eminent position in that city, where he died a few weeks ago, was the son of a farmer, and made his first start in life as a woollen manufacturer. He saved enough in two years to support him, by the exercise of strict economy, during his medical course.

FEMALE MEDICAL AID FOR INDIA.—The United Kingdom Branch of the National Association for Supplying Female Medical Aid to the Women of India, which was formed in London in March last year, held its annual meeting on July 14th, under the presidency of Sir W. E. Grant-Duff. The objects of the United Kingdom Branch are: (1) To bring the aims of the National Association more prominently before the British public; (2) to raise subscriptions for the Countess of Dufferin's Fund; and (3) to select lady doctors to proceed to India. At least £1,000 will be required yearly for preparing and outfitting the ladies who undertake medical work. Four scholarships are provided by the committee for ladies who desire to be trained in medicine with a view to enlisting in the work. Lord Reay said that the chief want of India at the present moment was a staff of skilled nurses. It would be worse than useless to send out ladies who were not experienced in European practice. To do good they must realise the difficulties which would stand in their way, and their physical, mental, and moral qualities must be such as would enable them to conquer the extraordinary prejudices with which their efforts would be met.

FOREIGN BODY IN THE NOSE FOR TWENTY-FIVE YEARS.—An Englishwoman, aged 31, recently arrived in Canada, came under the care of Dr. Mayor, of Montreal, last spring. She was suffering from nasal obstruction, and attributed the difficulty which she experienced in breathing to a catarrhal condition, the result of climatic causes. On examination, the right nostril was seen to be occluded by swelling of the mucous membrane and the turbinated bones. When, however, a probe was passed for exploratory purposes, a foreign body of large proportions was encountered. Cocaine was applied, and, after some difficulty, a rhinolith was dislodged and drawn, after some trouble, out of the nostril. It measured about three-quarters of an inch by half an inch in length, and weighed about 38 grains. The patient remembered that, when 6 years old, she had introduced a number of small sea-shells into the nostril, but always believed that they had all been removed. The patient's husband, who had been acquainted with her from infancy, authenticated the incident about the shells. The rhinolith was crushed, and then fragments of a pearly nature were easily distinguished. Thus a foreign body occupied the nasal cavity for twenty-five years without exciting suspicion. When examining the patient, no offensive odour was detected, nor was the lip excoriated, as is usual in similar cases. Dr. Mayor reported the case before the Medico-Chirurgical Society of Montreal in May, 1890.

DEATH UNDER A.C.E. MIXTURE.—The death of a lady, aged 36, whilst under the action of an anæsthetic (the A.C.E. mixture) was the subject of an inquest reported in the *Beckenham Journal*. She was under the care of Dr. Barton, and the anæsthetic was administered by Dr. Nash. According to the evidence given by Dr. Barton at the inquest, the patient was suffering from retroversion and incarceration of the pregnant uterus, with retention of urine. The heart on examination appeared to be perfectly sound. After the administration to the deceased of a little brandy and water, Dr. Nash commenced to administer the anæsthetic. In about eight or nine minutes the deceased entered the first stage of anæsthesia. The breathing soon became irregular, she gave three or four gasps, and then the breathing stopped. Previously there had been no symptom of vomiting or any difficulty of respiration, the pulse remained perfectly steady and regular. Dr. J. T. C. Nash said immediately he noticed a change in the respiration he suspended the use of the anæsthetic, and without delay resorted to

artificial respiration. He had administered an anæsthetic many times before, but never more cautiously. He gave a larger amount of atmospheric air than was usual. The administration did not last ten minutes, and the total quantity administered did not exceed 2 drachms. Dr. J. M. Sturges, who performed the *post-mortem* examination, found the body well nourished, and all the organs free from disease. The heart had acted to the last. He considered the cause of death was misadventure in anæsthesia. Dr. Barton had taken a perfectly right course. A verdict in accordance with this opinion was returned.

MEDICAL VACANCIES.

The following Vacancies are announced:

- BAWNBAY UNION.**—Medical Officer for the Newtonmore Dispensary District. Salary, £105 and fees. Election July 28th.
- CITY OF LONDON LUNATIC ASYLUM,** Stone, near Dartford, Kent.—A Locum Tenens Assistant Medical Officer for the month of August. Applications to the Medical Superintendent.
- DOVER HOSPITAL AND DISPENSARY.**—House-Surgeon. Salary, £100 a year, with furnished apartments, board, coals, lights, and attendance. Applications to the Secretary, Edward Elwin, Castle Street, Dover.
- GENERAL HOSPITAL,** Birmingham.—Two Assistant-Surgeons. No salaries, but residence, board, and washing provided. Applications to the House-Governor, J. D. M. Coghill, by August 2nd. Election on August 8th.
- HEBBURN LOCAL BOARD.**—Medical Officer of Health. Salary, £75 per annum. Applications addressed to the Chairman of the Building, Sanitary, and Nuisance Committee, Board Room, Hebburn, by August 9th.
- HEXHAM UNION RURAL SANITARY AUTHORITY.**—Medical Officer of Health. Salary, 200 guineas per annum, to include all travelling and other expenses save postages, etc.; will be precluded from private practice. Applications to Isaac Baty, Clerk to the Authority, by July 21st.
- INFIRMARY FOR CONSUMPTION AND DISEASES OF THE CHEST AND THROAT,** 26, Margaret Street, W.—One Physician in Ordinary; three Visiting Physicians; one Surgeon (honorary appointments). Applications to the Secretary, W. H. Johnson.
- LEWES DISPENSARY AND INFIRMARY AND VICTORIA HOSPITAL.**—Resident Medical Officer; double qualifications; required to visit, dispense, and act as house-surgeon. Salary, £100 per annum, furnished apartments, coal, gas, and attendance. Applications to the Honorary Secretary, Mr. Reginald Blaker, Lewes, Sussex, by July 26th.
- LIVERPOOL NORTHERN HOSPITAL.**—Assistant House-Surgeon; double qualifications. Salary, £70 per annum, with residence and maintenance in the house. Applications to the Chairman of the Committee by July 24th. Election on August 1st.
- LIVERPOOL NORTHERN HOSPITAL.**—Ambulance Surgeon; must have passed preliminary professional examination. No salary, but hospital practice and certificate of attendance, together with board and lodging, will be given in exchange for services. Applications to the Chairman of the Committee by July 24th. Election on August 1st.
- MACHYNLETH UNION.**—Medical Officers for the District of Machynlleth at £30 per annum; and for the District of Penegroes at £21 per annum, exclusive of extra fees. Medical officers to provide all medicines and appliances. Also Public Vaccinators for the above Districts payable by fees. Candidates must be registered and understand Welsh. Applications to D. Evans, Acting Clerk, by July 22nd.
- MACHYNLETH UNION RURAL SANITARY AUTHORITY.**—Medical Officer of Health. Salary, £30 per annum. Must understand Welsh. Applications to D. Evans, Acting Clerk to the Authority, by July 22nd.
- MANCHESTER HOSPITAL FOR CONSUMPTION AND DISEASES OF THE THROAT,** Bowdon, Cheshire.—Resident Medical Officer. Salary, £80 per annum, with board, apartments, and washing. Applications by July 20th to C. W. Hunt, Secretary.
- NEWCASTLE-ON-TYNE DISPENSARY.**—Visiting Medical Assistant; double qualifications. Salary £120 per annum. Applications to the Honorary Secretary by July 26th.
- NEW HOSPITAL FOR WOMEN,** 144, Euston Road, N.W.—Non-resident Clinical Assistant. A woman who must be on the general *Medical Register*; also a woman as Anæsthetist. Applications to Margaret M. Bayster, Secretary.
- NORTH STAFFORDSHIRE INFIRMARY AND EYE HOSPITAL,** Hartshill, Stoke-upon-Trent. Assistant House-Surgeon. Board, apartments, and washing. Applications to the Secretary, R. Hordley.
- PARISH OF FULHAM.**—Analyst, under the Sale of Food and Drugs Acts. Salary, £75 per annum. Applications (endorsed "Application for Appointment of Analyst") to the Clerk, W. J. H. Denselow, Vestry Offices, Walham Green, S.W., by August 1st.
- PLYMOUTH PUBLIC DISPENSARY.**—Physician's Assistant, doubly qualified. Salary, £80 per annum. Applications by July 22nd to the Honorary Secretary, W. H. Prince, 7, Atheneum Terrace, Plymouth.
- VICTORIA UNIVERSITY** (The Yorkshire College, Leeds).—Demonstrator of Anatomy. Stipend, £150; and a Demonstrator of Physiology (vacant October 1st). Applications by July 21st to the Registrar of the College, of whom further particulars can be obtained.

MEDICAL APPOINTMENTS.

- ABRAHAM,** Chandos Wm. H., L.R.C.P., L.R.C.S. Edin., appointed Medical Officer for the Easingwold District of the Easingwold Union, Yorkshire.
- CAMPBELL,** Alexander, M.D. Aberd., F.R.C.S., L.R.C.P. Edin., appointed Certifying Factory Surgeon for the Western District of Dundee, *vice* David Greig, M.D., F.R.C.S. Edin.

CHILCOTT, Arthur Edward, L.R.C.P.Lond., M.R.C.S.Eng., appointed Assistant Medical Officer to the St. Mary Abbott's Infirmary, Kensington, *vice* E. C. H. Van Buren.

COLLINS, Wm. Chas. Glasier, L.R.C.P.Edin., M.R.C.S.Eng., appointed Medical Officer for the Wells District of the Frome Union.

COOK, R. Haldane, M.B.Aberd., appointed House-Surgeon to the County and City Royal Infirmary, Perth, *vice* W. Robertson, M.B.

DODD, Henry Wauk, F.R.C.S., appointed an additional Assistant Surgeon to the Royal Free Hospital, Gray's Inn Road.

FRASER, John J., L.R.C.P.Edin., M.R.C.S.Eng., reappointed Medical Officer of Health to the Clitheroe Urban Sanitary District.

GILCHRIST, Thomas, L.K.Q.C.P.I., L.R.C.S.I., appointed Assistant House-Surgeon to the Bootle Borough Hospital.

HAMILL, J. Wilson, M.D., M.Ch. (Queen's Univ.), appointed Physician to the Grove Retreat for Inebriate Women, Fallowfield, Manchester.

HARRISON Jonathan A., M.D.Glasg., C.M., L.S.A., appointed Medical Officer of Health to the Haslingden Urban Sanitary District, *vice* A. Macpherson.

HINDHAUGH, James, M.B., B.S., L.S.Sc.Durh., appointed House-Surgeon to the Royal Infirmary, Newcastle-on-Tyne.

HOLLINGS, Edwin, M.D., appointed Surgeon to the London and North-Western Railway Company, *vice* Herbert Page, F.R.C.S., resigned.

JONES, Samuel B., M.B.Edin., and C.M., appointed Medical Officer of Health to the Gower Rural Sanitary District, *vice* H. V. Ellis.

JONES, Thomas, L.R.C.P.Edin., M.R.C.S.Eng., appointed Medical Officer for the Western District of the Bridgend and Cowbridge Union, *vice* P. James, L.R.C.P., M.R.C.S.

JORDAN, H. M., M.R.C.S., L.R.C.P., appointed Assistant House-Surgeon to Guy's Hospital.

KEARNEY, James, M.R.C.S., L.S.A., appointed Resident Medical Officer to the Royal General Dispensary, *vice* W. H. Bailey, M.B., resigned.

KIMPFER, Thomas Morland, M.B., B.S.Durh., appointed Junior House-Physician to the Royal Infirmary, Newcastle-on-Tyne.

LEEFER, Richard, M.D., appointed Medical Officer to Rathdown Workhouse.

LEIGH, John Dickinson, M.B.Edin., L.R.C.P. & S., L.F.P.S.G., appointed Resident Surgeon to the Memorial Hospital, Jarrow-on-Tyne, *vice* H. M. Smellie, M.B., C.M., resigned.

LOXTON, W. A., L.R.C.P. M.R.C.S., appointed Honorary Anaesthetist to the Birmingham and Midland Skin and Lock Hospital.

McQUAID, Eugene Wade, L.R.C.S.I., L.M., L.A.H.D., L.M. Rotunda Hospital, appointed Medical Officer to the Cootehill Dispensary District of the Cootehill Union, *vice* Dr. James Sharpe, resigned.

MELLER, Charles B., L.R.C.P. L.M., M.R.C.S.Eng., appointed Medical Officer of Health to the Cowbridge Urban Sanitary District of the Bridgend and Cowbridge Union.

MORRIS, F. H., M.D., M.R.C.S., appointed Medical Officer of Health to the Wellborough Rural Sanitary Authority.

MURSELL, H. Temple, M.B., C.M., appointed Senior House-Surgeon to the Ancoats Hospital, Manchester.

ODELL, Thomas, M.R.C.S.Eng., L.S.A., reappointed District Medical Officer to the Hentford Union.

O'KEEFE, John, L.R.C.P.Edin., L.R.C.S.I., appointed Medical Officer for the Panteg District of the Pontypool Union.

ROUGHTON, Edmund W., M.D.Lond., B.S., F.R.C.S., appointed Registrar to the Royal Free Hospital, Gray's Inn Road.

ROWBOOTHAM, A. J., M.R.C.S.Eng., appointed Medical Officer and Public Vaccinator to the Newton-on-Trent District of the Gainsborough Union, *vice* Easton A. Phillips.

SHAW, Raymond Henry, M.B., B.S.Durh., appointed House-Surgeon to the Royal Infirmary, Newcastle-on-Tyne.

SIMCOCK, Jas., M.B., B.C.L. (Vict. Univ.), appointed Junior House-Surgeon to the Ancoats Hospital, Manchester.

STEPHENSON, Sydney H. A., M.B.Edin., F.R.C.S., reappointed Clinical Assistant to the Royal Westminster Ophthalmic Hospital.

SUNDERLAND, Oliver, L.R.C.P.Ed., M.R.C.S.Eng., appointed Medical Officer and Public Vaccinator for the Bexley District of the Dartford Union, Medical Officer of Health for the East Wickham District of the Dartford Union Sanitary Authority, and Medical Officer of Health to the Bexley Local Board, *vice* Thomas Wheeler, M.R.C.S.Eng., L.S.A.Lond., deceased.

WARD, George Smith, L.R.C.P., L.R.C.S.Eng., reappointed Medical Officer for the Fifth District of the Hertford Union.

WILKINSON, A. T., M.D.Lond., M.R.C.P.Lond., appointed Physician to the Grove Retreat for Inebriate Women, Fallowfield, Manchester.

WILLETT, Edgar W., M.B., F.R.C.S.Eng., appointed Honorary Surgeon to the British Orphan Asylum, *vice* W. Allingham, F.R.C.S., resigned.

WILLIAMS, E. Humphrey, M.R.C.S., L.S.A., reappointed Medical Officer for the Port of Carnarvon.

YEOMAN, Wm. Metcalfe, M.B., L.S.A., M.R.C.S., appointed Medical Officer of Health to the Stokesley Rural Sanitary District.

BIRTHS, MARRIAGES, AND DEATHS.

The charge for inserting announcements of Births, Marriages, and Deaths is 3s. 6d., which sum should be forwarded in Post Office Order or Stamps with the notice not later than Wednesday Morning, in order to insure insertion in current issue.

MARRIAGE.

TUBBY-PAYNE.—On July 15th, Alfred Herbert Tubby, M.B., B.S.Lond., F.R.C.S.Eng., to Beatrice, second daughter of William Payne, Esq., of the Guildhall, London.

DEATH.

PRIDHAM.—June 16th, at 10, Cromwell Crescent, S.W., Charles William Pridham, L.R.C.S., M.R.C.P.Edin., late of Paignton, and eldest son of the late F. L. Pridham, of Bideford, aged 58.

HOURS OF ATTENDANCE AND OPERATION DAYS AT THE LONDON HOSPITALS.

CANCER, Brompton (Free). *Hours of Attendance*.—Daily, 2. *Operation Days*.—Tu. S., 2.

CENTRAL LONDON OPHTHALMIC. *Operation Days*.—Daily, 2.

CHARING CROSS. *Hours of Attendance*.—Medical and Surgical, daily, 1.30; Obstetric, Tu. F., 1.30; Skin, M. 1.30; Dental, M. W. F., 9. Throat and Ear, F., 9.30. *Operation Days*.—M., 3; Th. 2.

CHELSEA HOSPITAL FOR WOMEN. *Hours of Attendance*.—Daily, 1.30. *Operation Days*.—M. Th., 2.30.

EAST LONDON HOSPITAL FOR CHILDREN. *Operation Day*.—F., 2.

GREAT NORTHERN CENTRAL. *Hours of Attendance*.—Medical and Surgical, M. Tu. Wed. Th. F., 2.30; Obstetric, W. 2.30; Eye, Tu. Th., 2.30; Ear, M. F., 2.30; Diseases of the Skin, W. 2.30; Diseases of the Throat, Th., 2.30; Dental Cases, W., 2. *Operation Day*.—W., 2.

GUY'S. *Hours of Attendance*.—Medical and Surgical, daily, 1.30; Obstetric, M. Tu. F., 1.30; Eye, M. Tu. Th. F., 1.30; Ear, Tu., 1; Skin, Tu., 1; Dental, daily, 9; Throat, F., 1. *Operation Days*.—(Ophthalmic), M. Th., 1.30; Tu. F., 1.30.

HOSPITAL FOR WOMEN, Chelsea. *Hours of Attendance*.—Daily, 10. *Operation Days*.—M. Th., 2.

KING'S COLLEGE. *Hours of Attendance*.—Medical, daily, 2; Surgical, daily, 1.30; Obstetric, daily, 1.30; o.p., Tu. W. F. S., 1.30; Eye, M. Th., 1.30; Ophthalmic Department, W., 2; Ear, Th., 2; Skin, F., 1.30; Throat, F., 1.30; Dental, Tu. Th., 9.30. *Operation Days*.—Tu. F. S., 2.

LONDON. *Hours of Attendance*.—Medical, daily, exc. S., 2; Surgical, daily, 1.30; and 2; Obstetric, M. Th., 1.30; o.p. W. S., 1.30; Eye, Tu. S., 9; Ear, S., 9.30; Skin, Th., 9; Dental, Tu., 9. *Operation Days*.—M. Tu. W. Th. S., 2.

METROPOLITAN. *Hours of Attendance*.—Medical and Surgical, daily, 9; Obstetric, W., 2. *Operation Day*.—F., 9.

MIDDLESEX. *Hours of Attendance*.—Medical and Surgical, daily, 1.30; Obstetric, M. Th., 1.30; o.p. M. F., 9. W. 1.30; Eye, Tu. F., 9; Ear and Throat, Tu., 9; Skin, Tu., 4. Th. 9.30; Dental, M. W. F., 9.30. *Operation Days*.—W., 1, S., 2; (Obstetric), W. 2.

NATIONAL ORTHOPEDIC. *Hours of Attendance*.—M. Tu. Th. F., 2. *Operation Day*.—W., 10.

NORTH-WEST LONDON. *Hours of Attendance*.—Medical and Surgical, daily, 2; Obstetric, W., 2; Eye, W., 9; Skin, Tu., 2; Dental, F. 9. *Operation Day*.—Th., 2.30.

ROYAL FREE. *Hours of Attendance*.—Medical and Surgical, daily, 2; Diseases of Women, Tu. S., 9; Eye, M. F., 9; Dental, Th. 9. *Operation Days*.—W. S., 2; (Ophthalmic), M. F., 10.30; (Diseases of Women), S., 9.

ROYAL LONDON OPHTHALMIC. *Hours of Attendance*.—Daily, 9. *Operation Days*.—Daily, 10.

ROYAL ORTHOPEDIC. *Hours of Attendance*.—Daily, 1. *Operation Day*.—M. 2.

ROYAL WESTMINSTER OPHTHALMIC. *Hours of Attendance*.—Daily, 1. *Operation Days*.—Daily.

ST. BARTHOLOMEW'S. *Hours of Attendance*.—Medical and Surgical, daily, 1.30; Obstetric, Tu. Th. S., 2; o.p., W. S., 9; Eye, W. Th. S., 2.30; Ear, Tu. F., 2; Skin, F., 1.30; Larynx, F., 2.30; Orthopaedic, M., 2.30; Dental, Tu. F., 9. *Operation Days*.—M. Tu. W. S., 1.30; (Ophthalmic), Tu. Th., 2.

ST. GEORGE'S. *Hours of Attendance*.—Medical and Surgical, M. Tu. F. S., 12; Obstetric, Th. 2; o.p., Eye, W. S., 2; Ear, Tu., 2; Skin, W., 2; Throat, Th., 2; Orthopaedic, W., 2; Dental, Tu., S., 9. *Operation Days*.—Th., 1; (Ophthalmic), F., 1.15.

ST. MARK'S. *Hours of Attendance*.—Fistula and Diseases of Rectum, males, W., 8.45; females, Th., 8.45. *Operation Days*.—M., 2. Tu. 2.30.

ST. MARY'S. *Hours of Attendance*.—Medical and Surgical, daily, 1.45, o.p., 1.30; Obstetric, Tu. F., 1.45; Eye, Tu. F. S., 9; Ear, M. Th., 3; Orthopaedic, W., 10; Throat, Tu. F., 1.30; Skin, M. Th., 9.30; Electrotherapeutics, Tu. F., 2; Dental, W. S., 9.30; Consultations, M., 2.30. *Operation Days*.—Tu., 1.30; (Orthopaedic), W., 11; (Ophthalmic), F., 9.

ST. PETER'S. *Hours of Attendance*.—M., 2 and 5, Tu., 2, W., 2.30 and 5, Th., 2, F. (Women and Children), 2, 3.30. *Operation Day*.—W., 2.30.

ST. THOMAS'S. *Hours of Attendance*.—Medical and Surgical, daily, except Sat., 2; Obstetric, Tu. F., 2; o.p., W., 1.30; Eye, M. Tu. W. Th., F., 1.30; o.p., daily, except Sat., 1.30; Ear, M., 1.30; Skin, F., 1.30; Throat, Tu. F., 1.30; Children, 2, 1.30; Dental, Tu. F., 10. *Operation Days*.—W. S., 1.30; (Ophthalmic), Tu., 4, F., 2.

SAMARITAN FREE FOR WOMEN AND CHILDREN. *Hours of Attendance*.—Daily, 1.30. *Operation Day*.—W., 2.30.

THROAT, Golden Square. *Hours of Attendance*.—Daily, 1.30; Tu. and F., 6.30. *Operation Day*.—Th., 2.

UNIVERSITY COLLEGE. *Hours of Attendance*.—Medical and Surgical, daily, 1.30; Obstetrics, M. W. F., 1.30; Eye, M. Th., 2; Ear, M. Th., 9; Skin, W., 1.45, S., 9.15; Throat, M. Th., 9; Dental, W., 9.30. *Operation Days*.—W. Th., 1.30; S., 2.

WEST LONDON. *Hours of Attendance*.—Medical and Surgical, daily, 2; Dental, Tu., F., 9.30; Eye, Tu. Th. S., 2; Ear, Tu., 10; Orthopaedic, W., 2; Diseases of Women, W. S., 2; Electric, Tu., 10, F., 4; Skin, F., 2; Throat and Nose, S., 10. *Operation Days*.—Tu. F., 2.30.

WESTMINSTER. *Hours of Attendance*.—Medical and Surgical, daily, 1; Obstetric, Tu. F., 1; Eye, M. Th., 2.30; Ear, M., 9; Skin, W., 1; Dental, W. S., 9.15. *Operation Days*.—Tu. W., 2.

ALCOHOL IN WORKHOUSES AND GENERAL HOSPITALS.

DR. A. G. MCHATTIE (Antigua, W.I.) writes: "M.D." in his letter on "Alcohol in Workhouses and General Hospitals" in the JOURNAL of May 24th, 1890, seems desirous of arriving at a just conclusion as to the proper position of alcohol in the treatment of disease.

If "M.D." will apply to alcohol one of the first principles which I sup. ose guides every medical man in the administration of drugs, and give it just as he would opium—when it alone will fulfil the object in view—his difficulty will soon disappear, and he will have reduced alcohol to its legitimate place in medicine.

I have acted on this principle for many years in public and in private practice, and the result has been most satisfactory. I take the liberty of giving one example of my experience in the use of alcohol in my practice. In August, 1878, in the absence of the surgeon of the prison in this island, I accepted the acting appointment, which I held for seven months. When I took charge, there were seventeen prisoners in hospital, and their allowance of spirits was eighteen ounces of brandy daily. Applying the principle just enunciated, I could not detect the slightest indication for alcohol in a single case. I consequently discontinued its use; and during the seven months that I attended this institution, acting on the same principle, I used only six ounces of brandy, though, besides the usual amount of illness in the gaol, I had sixty cases of dysentery, and thirty cases of dysenteric diarrhoea, all of whom recovered; and the books of the gaol show that there had never been a lower death-rate than during that time.

EPIDEMIOLOGICAL NOTES FROM BRITISH COLUMBIA.

A. B. (British Columbia) writes: With regard to the discussions still carried on as to the possible fishy origin of leprosy, it may be interesting to know that this disease is unknown amongst the Indians of British Columbia, although the principal food of these people consists of fish. The fish prepared for winter use is mostly roughly and imperfectly cured, and overpoweringly disagreeable in odour, more than half decayed in many cases. If a diet of fish could produce leprosy, the Indians of British Columbia should be decimated by the disease. Salmon die in thousands in the Fraser and its upper reaches, and they are freely eaten both dead and dying, when the whole river is tainted by the odour of decaying fish.

Malarial fever is unknown in this country, though here, too, if its origin be climatic, it ought to be specially prevalent. The low-lying lands along the rivers are periodically flooded, through the melting of the snows in the three great mountain ranges; meadows and prairies are converted into lakes, and, when the water has subsided, thick mists ascend morning and evening for months. Yet these lands are not the least unhealthy.

Hydrophobia is another scourge of mankind which has not yet passed the barrier of the Rockies. If wild, neglected, masterless dogs could originate hydrophobia, this province should suffer acutely. The Indians love to surround their camps with wretched, often half starved, mongrel dogs; and in Vancouver the plague of ownerless dogs was so great that active measures had to be put in force for their destruction.

Diphtheria has found its way to this beautiful country, and rages with special fury amongst the young. Doubtless, were due inquiries made, the first case of diphtheria would prove to have been imported. Once imported, the utter absence of a system of drainage has enabled the disease to live and flourish, and to become endemic.

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

Mr. G. Lushington, London; Dr. C. W. Jones, Bowden; Dr. T. McCall Anderson, Glasgow; Mr. F. C. W. Hounsell, Chudleigh; Dr. C. Beavor, London; J. K. Tomory, M.B., Dumfries; Dr. T. Dutton, London; Mr. W. F. Haslam, Birmingham; Mr. E. Nettleship, London; Sir Walter Foster, M.P., Birmingham; Dr. G. H. The Savage, London; Mr. J. F. Spong, London; Messrs. R. Sumner and Co., Liverpool; Mr. C. B. Lockwood, London; J. D. Leigh, M.B., Jarrow; Dr. Balding, Royston; Mr. W. Gripper, Wallington; Mr. J. Kearney, London; Mr. J. G. Westlake, Bristol; Mr. T. F. Tannahill, Rochester; Mr. W. Gurner, London; Messrs. A. Palliser and Co., London; Mr. R. Stephens, Edinburgh; Mr. J. B. Ward, Oxford; Mr. C. J. Radley, London; Mr. P. G. Gilmour, Gorleston; Mr. D. Harden, Brisbane; Dr. G. Thin, London; Mr. F. White, Coventry; Mr. T. P. Gostling, Worcester; Dr. I. B. Muirhead, Aylesford; Dr. T. M. Madden, Dublin; Dr. W. D. Halliburton, London; Rev. C. Naylor, Gloucester; Mr. B. E. Brodhurst, London; Dr. J. G. Parsons, Bristol; Dr. Moritz, Cheetham; Mr. F. C. Brodie, Wootton Bridge; Mr. A. Fyfe, Hayes; Mr. J. T. Neech, Tyldesley; Medical Staff; J. C. G. Duffus, M.B., Springburn; E. F.; Hon. Conrad Dillon, London; Mr. R. Black, Brighton; Sir C. Cameron, Dublin; Mr. G. Rankin, Warwick; Dr. F. Warner, London; Dr. J. Haddon, Canonbie; Mr. J. P. Rae, London; Mr. W. H. Langton, London; Dr. Ward Cousins, Southsea; Dr. J. J. Ridge, Enfield; Dr. Rentoul, Liverpool; Surgeon Major; Dr. V. Lush, London; Dr. Kendal Franks, Dublin; Mr. C. Tyre, London; Professor Albertoni Pietro, Bologna; Mr. C. Legg, Stamford; Dr. Sedgwick Saunders, London; Dr. W. Lattey, Southam; Dr. A. C. Dixey, London; Dr. T. Eytton Jones, Wrexham; Professor B. C. Windle, Birmingham; Mr. T. Holmes, London; Dr. E. Willoughby, London; Mr. W. Illingworth, Leeds; R. C. L.; Mr. H. G. Jerry, Bath; Professor O. Liebreich, Berlin; Dr. A. Tucker Wise, Maloja; Dr. H. O'Neill, Belfast; Dr. R. Saundby, Birmingham; Dr. Kelly, Taunton; Mr. T. J. Walker, Peterborough; Mr. C. B. Keetley, London; Mr. E. A. H. Roe, London; Mr. J. S. Wood, London; Messrs. Burroughs, Wellcome, and Co., London; Dr. L. Cane, Peterborough; Mr. J. Wolff, London; Mr. D. S. Moncrieff, Edinburgh; Mr. T. H. Elliott, London; The Registrar of the Royal College of Surgeons in Ireland, Dublin; Mr. L. Farndon, Maidenhead; Dr. W. C. Wile, Danbury, U.S.A.; Dr. W. Hunter, Ballantrae; Mr. E. Lloyd Jones, Leeds; Sir C. L. Peel, London; Mr. Lawson Tait, Birmingham; Dr. J. N. Love, St. Louis; Dr. W. J. Smyly,

Dublin; Dr. Ralph Stockman, Edinburgh; Mr. W. Wallis, Groombridge; Medicus; Dr. D. Graham, Boston; Dr. Pearse, Southsea; Mr. S. G. Allen, Dunfanaghy; Dr. Burney Yeo, London; Mr. C. Carruthers, West Gorton; J. H. Keay, M.B., Colne; Professor T. Grainger Stewart, Edinburgh; R. H. Cook, M.B., Perth; Mr. J. P. Hentsch, London; Dr. R. J. H. Scott, Bath; Mr. J. M. Bright, Forest Hill; Dr. S. W. Briant, Tavistock; Mr. B. G. Godfrey, Balham; Major L. W. Pead, London; The Secretary of the St. John's Hospital for Diseases of the Skin, London; Mr. S. J. Baker, Abingdon; Surgeon H. Tivy, Northampton; Mr. J. B. Gobe, Morriston; Mr. G. E. Williamson, Newcastle-on-Tyne; Mr. J. B. Fairmann, Dewsbury; Mr. E. Da Silva, Halifax; Mr. F. St. John Bullen, Wakefield; Mr. R. Favell, Sheffield; Miss E. C. Rogers, Saltash; The Clerk of the City of London Lunatic Asylum, Stone; Mr. F. L. Nicholls, Fulbourne; Mr. E. H. Howlett, Hull; Dr. W. P. Herringham, London; Dr. H. H. Phillips, Reading; Mr. O. Sunderland, Bexley Heath; Mr. A. Loxton, Birmingham; Dr. W. J. Sinclair, Manchester; Dr. R. P. Smith, London; The Secretary of the Sanitary Institute, London; R. H. F.; Mr. W. Jones-Morris, Portmadoc; Mr. C. E. Paget, Salford; Mr. M. C. Rimmer, London; E. Passmore, M.B., London; T. Stevenson, M.B., Liverpool; Dr. G. F. Crooke, Birmingham; H. N. Joynt, M.B., Birmingham; Mr. Adams Frost, London; Dr. W. J. Hamill, Manchester; Our Liverpool Correspondent; Dr. Gozmann, Würzburg; Mr. C. E. Abbott, Braintree; Dr. J. W. Byers, London; Mr. Blackett, London; Dr. O. Wood, London; Our Manchester Correspondent; Mr. G. C. Stephen, London; Messrs. Brady and Martin, Newcastle-on-Tyne; Dr. C. B. Taylor, Nottingham; Dr. A. Smart, Edinburgh; Mr. H. E. Skyrme, Cardiff; Messrs. Wilson and Son, Dublin; Mr. J. Garner, Birmingham; V. Wanostrocht, M.B., Beggelert; R. H. Shaw, M.B., Newcastle-on-Tyne; Messrs. Illingworth, Ingram, and Co., Leeds; Dr. J. S. Holden, Sudbury; E. E. Dyer, M.B., Edinburgh; Mr. J. Martin, Farnworth; Mr. G. H. Makins, London; Dr. Campbell Pope, London; Dr. J. W. Moore, Dublin; Mr. L. Mannings, Boscombe; Mr. H. Dutch, Melbourne, Derby; Mr. T. H. Moorhead, Cotehill; Dr. A. Grant, London; Mr. E. Alban, Lindfield; T. H. Bryce, M.B., Glasgow; Dr. R. Hewetson, London; Surgeon H. Carr, Waini Sal, N.W.P.; Mr. H. Hutchinsion, London; Surgeon-Major; Mr. J. Cantlie, Hong Kong; Mr. B. Kuhn, London; Surgeon-Major G. T. H. Evatt, Yetta; Mr. M. E. Sergeant, New South Wales; etc.

BOOKS, ETC., RECEIVED.

- Über die Functionen der Grosshirnrinde gesammelte Mittheilungen mit Anmerkungen. von Hermann Munk. Berlin: August Hirschwald. 1890.
- Fractures, Dislocations, Deformities, and Diseases of the Lower Extremities. By Hugh Owen Thomas. Part VII of Contributions to Surgery and Medicine. London: H. K. Lewis. 1890.
- Principles of General Organic Chemistry. By Professor R. Hjelt; translated from the author's German edition by J. Bishop Tingle, Ph.D., F.C.S. Price 6s. 6d. London: Longmans, Green, and Co. 1890.
- The Girdle of the Globe: a Poem. By Ralph. Price 7s. 6d. London: Authors Co-operative Publishing Co. 1890.
- Domestic Sanitary Drainage and Plumbing. By William R. Maguire. London: Kegan Paul, Trench, Trübner, and Co. 1890.
- Abortion and its Treatment; from the Standpoint of Practical Experience. By T. Gaillard Jones, M.D., from notes by P. Brynberg Porter, M.D. London: Hirschfeld Brothers. 1890.
- Des Troubles Trophiques dans l'Hystérie. Par Alex. Athanassio. Paris: E. Lecrosnier and Babé. 1890.

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