

MEMORANDA:

MEDICAL, SURGICAL, OBSTETRICAL, THERAPEUTICAL, PATHOLOGICAL, Etc.

GUAIAECUM AS A PROPHYLACTIC IN GOUT.

THE paper by Sir A. Garrod at the Royal Medical and Chirurgical Society, reported in the BRITISH MEDICAL JOURNAL for May 30th on this subject induces me to put on record the following brief note:—

A lady, aged about 60, has had the following series of attacks of gout, compiled roughly from her diary:

In November, 1874. Attack in elbow, which lasted some weeks and necessitated the arm being in sling.
 „ September, 1877. Attack in thumb.
 „ June, 1881. Elbow, with arm in sling.
 „ July, 1882. Foot affected.
 „ June, 1883. Elbow-joint affected.
 „ August, 1892. Foot affected after strain.
 „ September, 1892. „ In leg.
 „ February, 1893. Gout (no mention where).
 „ „ 1893. Gout in knee.
 „ April, 1893. Gout in wrist, lasted over three weeks.
 „ July, 1894. Slight gout in finger.
 „ August, 1894. Gout in shoulder, lasting three weeks.
 „ October, 1894. Gout in other shoulder.

The two latter attacks I was a witness of, the swelling and pain were considerable, and yielded obstinately to treatment. The type was asthenic. In her habits there is none of the popular causes of gout, but there is hereditary transmission.

On looking at the table it will be seen that there is a tendency for the attacks to come more frequently, and she says more severely. Since October, 1894, she has taken every day two and sometimes three of Burroughs, Wellcome, and Co.'s tabloids, each containing 3 grains of guaiacum and 3 of sulphur, with the most satisfactory result. She has had no joint trouble since that date, and has been in quite good health, the only noticeable effect being a slight but not uncomfortable aperient action.

It is difficult to determine how far the small dose of sulphur has contributed to the result, but I think it must be allowed that there is a strong probability that the drugs have staved off some attacks, for her general habits, surroundings, food, etc., have not changed.

Sevenoaks.

JAMES E. BLOMFIELD, M.B.Oxon.

REPORTS AND ANALYSES

AND

DESCRIPTIONS OF NEW INVENTIONS

IN MEDICINE, SURGERY, DIETETICS, AND THE
ALLIED SCIENCES.

PASTEUR FILTRATION FOR MUNICIPAL WATER-
WORKS.

THE installation of Pasteur filters for the central water supply of Darjeeling is now complete, and was exhibited at the works of the agents, Messrs. Defries and Co. (Houndsditch), to a large company of experts prior to its being shipped to India. It presents many features of novel interest. The filtering tubes are the ordinary Pasteur candles, such as are used for laboratory or domestic purposes. They are set into openings in the bottom plates of cast-iron cylinders, containing 250 each, and are secured there with the open end downwards by being forced into a thick elastic bush, which makes a sufficiently yielding and simple bacterial joint. The filtered water is delivered into chambers formed below the diaphragm through which the tubes project. Each cell is fitted with connections, controlled by separate valves to the inlet, outlet, and drain mains, so that every cylinder, or group of cylinders, can be cut out of work without interfering with the operation of the remainder.

The interest of the installation lies in the fact that its output is maintained and its efficiency controlled without the labour which would be involved in separately attending to each individual tube. For almost all waters the tendency of use to diminish the output of Pasteur tubes is due not so

much to the relatively coarse visible deposit which occurs on the outside of the tubes as to the dissolved salts which are abstracted from the water in the pores of the filtering medium. Accordingly a normal output can be maintained for a considerable period by dissolving out these salts. The solution which is used for the purpose, usually 5 or 10 per cent. solution of hydrochloric acid—is chosen so as at the same time to sterilise the tubes of the whole filtering system; and the quantity of salts to be dissolved being relatively small, the same body of sterilising solvent can be used over and over again until spent. In the present installation it is applied by means of a circulating pump which drives the solution through the filter tubes to the cell or cells to be cleaned for ten to twenty minutes. At the end of this time the solution is allowed to run back into the tank in which it is stored, the air necessary to replace it in the filtered water compartments being supplied through a sterilising inlet. The visible deposit on the tubes is removed at such periods as are convenient, and in the meantime effects to some extent a rough filtration, tending to reduce the rate at which the output is diminished. The amount of acid from the pores of the tubes and the surface of the pipes which in this way is passed into the filtered water reservoirs amounts to something less than 5 minims per gallon of the daily output, and of this some part is decomposed by the salts in the water, so that it is unnecessary to rinse the tubes which have been cleaned before again putting them into action. The circumstance that the filtering surface remains unaltered either by use or cleaning would allow the bacterial efficiency of the filtering system as well as its joints to be tested bacteriologically. It is, however, simpler and more convenient to take advantage of the fact that the material used in the Pasteur tubes when steeped in water retains air under pressure, but permits it to pass through any minute flaw which would permit the passage of micro-organisms. For this purpose a small air-compressor is provided, fitted with a gauge, and the efficiency of any cell is tested by coupling a connection left for this purpose on the filtered water side to the air compressor, and observing the gauge. If the gauge stands constant, the whole of the filtering surface, as well as the joints, are sound. If it falls, the cover of the cell is removed by means of a travelling hoist, and if any of the tubes or joints be defective, a stream of bubbles will be seen issuing from the fault. The number of cells in the present installation is thirty-eight, and the capacity under a head of 65 feet is 150,000 gallons per day. Its construction and arrangements are such as to be capable of extension to filters of any size whatever. A previous installation on a smaller scale at a large institution at Darjeeling had been followed by the cessation of prevalent dysentery.

"HEALTH" NIGHT LIGHTS.

It is claimed for the Mercury health night lights, manufactured by the Fowler's Patent Night Light Company, of Latona Road, S.E., that they contain a small proportion of a brominated hydrocarbon, which is split up in the flame of the night light, free bromine being liberated, which is not only intended to serve as an aerial disinfectant, but to act as a stimulant of the mucous surfaces of the lips and air passages. On the supposition that all the bromine is evolved in the free state the amount of bromine liberated in eight hours—the duration of the light—would amount to 0.4 grain. The night lights burn well, with a refreshing odour, and they have the great advantage that being provided with a stout paper diaphragm there is no need for water in a surrounding receptacle.

STORAGE OF BOILED WATER.

SURGEON-MAJOR H. L. DONOVAN, A.M.S., writes: "It is well known that water is more prone to contamination by germs after it has been boiled than before. This may be due to the introduction of germs with the air which flows into a utensil when its contents cool." To meet this danger Surgeon-Major Donovan has invented a receptacle in which water can with safety be boiled, cooled, and stored for use. It consists essentially of a boiler with an airtight cover and safety valve, a tap, and a germ-proof vent. By means of the germ-proof vent an equipoise of atmospheric pressure between the outside and inside of the utensil can be maintained and yet no germs be sucked into the interior.

cases contracted after the wall of the ventricle; in others they preceded it." Of course the effect of the blood pressure on the action of the heart in the above observations was *nil*.

I do not think that one is justified in comparing the results of Haycraft and Paterson's observations on excised, bloodless, and rapidly-dying mammalian hearts with those carried out whilst the heart remained *in situ* in a living animal, working under as nearly as possible normal conditions of environment, nervous influence, and blood pressure. I therefore do not consider that Dr. Paterson's experiments can in fairness be said to disprove Roy and Adami's work, or even that they should be looked upon as not confirming the results of the latter observers.

Drs. Sansom and Broadbent both write strongly in favour of different explanations of the double first heart sound, and I do not intend in this place to attempt the difficult task of disproving their theories. I will simply refer to one or two small points raised by them in their letters. Both these writers consider that if the musculi papillares did fail in the middle of their systolic contraction, as I suggest is the case, the natural result would be regurgitation through the valve orifice, with the production of a murmur immediately following the first sound. I do not see why this should happen unless there be some dilatation of the valve orifice present at the same time that the papillary failure occurs, for I consider that the valve should be as competent in the position shown in Fig. 3 of my paper as it is in that of Fig. 1.

Dr. Broadbent has misunderstood two points in my theory which I evidently did not express as clearly as I might have done. In the first place, he thinks that it is hardly possible that the musculi papillares should, after failing in the middle of their contraction, contract again. I did not wish to suggest that such does happen, but that these muscles after their failure remain in a relaxed condition, the contraction of the wall of the heart alone finishing the ventricular systole, and completing the discharge of the blood into the arterial system.

Again, by my statement that "with the failure of the papillary muscles there is a temporary diminution of the intraventricular pressure" is meant that the temporary fall of the blood pressure is an immediate result and not a cause of the muscle failure.—I am, etc.,

Manchester, Aug. 8th.

E. M. BROCKBANK.

* * This correspondence must now cease.

HOSPITAL NURSES.

SIR,—We are exceedingly glad that public notice is being turned to the present condition of hospital nurses, which is just now in a transition state and certainly needs reorganising. Public committees still require of us all the menial ward work which uneducated nurses of former times used to do, not knowing, perhaps, that the medical staff who instruct us after our long day on duty exact of us ever more intelligent work, and an almost military smartness and discipline. All this, with the needs of the sick, the bad air of the wards, and the sad sights therein makes the three years hospital training so great a strain that a nurse's health suffers, and is in some cases impaired for life. But this state of affairs ought not to continue. There should be three sets of nurses, each working eight hours, as there are at King's College Hospital, London, and in some American hospitals; then we could have lectures on all the branches of our profession with practical experience, and our hospitals would become first-rate training schools. Let the ward work be done by illiterate ward maids and the nursing would be more thorough in consequence. Although our hours on duty are much too long, we often have not time to do both well. Legislation has stopped factory girls from working more than nine hours a day, with Saturday afternoon and Sunday free. Our days all the year round are twelve to twelve hours and a half, the work being hard and often depressing, but we have not complained hitherto because we love it; at the same time, both for mind and body, it should be thought necessary to lighten our labour and shorten our hours.—I am, etc.,

A STAFF NURSE IN A LARGE GENERAL HOSPITAL.

August 11th.

The Baroness de Hirsch has sent a donation of £200 through Mr. George Herring to the London Lock Hospital.

UNIVERSITIES AND COLLEGES.

UNIVERSITY OF LONDON.

PRELIMINARY SCIENTIFIC (M.B.) EXAMINATION.—The following candidates have satisfied the examiners:

Entire Examination.—First Division: C. H. Auchmuty, T. P. Baldwin, *E. G. Bark, *Dora Elizabeth L. Bunting, *E. L. Clay, W. T. Crawford, T. H. B. Dobson, W. P. Gowlan, H. F. Hatfield, W. A. L. Holland, Margaret Hudson, B.A.; J. F. Jennings, A. E. Jones, *H. Lawton, C. A. Marsh, W. W. Nock, P. Rees, B.A.; *H. E. Ride-wood, J. Webster, F. N. White, *E. Wragg. Second Division: S. H. L. Abbott, A. L. Badcock, Ruth Balmer, T. R. Beatty, B.A.; W. H. Bowen, S. H. Brown, S. Bree, H. M. Brown, Kate Alice Burke, Janet Mary Campbell, F. Challans, S. W. Cole, W. J. Davies, C. N. Davis, *A. Eastwood, D. Ellis, H. P. Evans, W. F. Fedden, E. F. Fisher, G. G. Fraser, B.A.; H. P. Gibb, P. A. M. Green, P. M. Greenwood, B.A.; O. C. Gruner, *B. Hart, Helena Gertrude Jones, W. H. Jones, E. W. J. Ladell, *J. L. Lawry, E. Likiernik, R. A. Lloyd, H. Love, *E. R. Marle, G. L. L. Mayo, Mabel H. Naylor, A. E. Osborne, B.A.; C. S. Parker, Marie L. Pethick, H. M. Ruddock, B.A.; Ellen Mary Sharp, H. W. Sinclair, *H. J. Slade, J. E. Sparks, L. E. Stamm, B.A.; C. Tessier, *G. W. Watson, R. J. Waugh, Winifred F. Wigglesworth, A. G. Wilson, *Edith Louisa Young, E. E. Young.

Chemistry and Experimental Physics.—F. Bullough, Mildred Mabel Burgess, *V. A. Châtelain, B. Chiles-Evans, E. M. Clarke, G. T. Collins, M. A. Collins, L. C. Comfort, J. F. Corson, E. N. Cunliffe, H. J. De Brent, R. V. Dolbey, T. L. Drapes, T. S. Dudding, A. D. Edwards, J. P. Ellerington, H. H. Emmerson, *D. C. Evans, J. Evans, S. Forsdike, J. S. Furnivall, A. C. H. Gray, C. M. Heanley, C. A. Hewavitarne, A. E. Hills, *L. G. Hopkins, D. M. Hughes, *Margaret Ethel Hutchinson, H. M. Joseph, H. C. Keates, N. Macfadyen, *E. C. Mackay, G. B. McKean, E. T. F. Malan, G. E. Malcolmson, E. L. Martin, F. H. Noke, F. W. Oldfield, W. G. Parker, *A. F. Pilkington, F. B. Pinninger, C. Roper, *P. Savill, *J. K. Syms, F. L. Thomas, E. N. Thornton, *G. S. Ward, *J. H. Watson.

Biology.—F. H. Alexander, *S. M. Banham, H. Barber, Victoria E. M. Bennett, *J. M. Bernstein, *F. J. Birks, A. H. Bradley, *H. W. Brown, W. W. Campbell, *N. Carpmal, *G. Clarke, Olive Claydon, *O. J. S. Damian, E. W. F. Dolman, Edith Dunington, F. A. Edmonds, J. C. Fleming, *F. G. Gibson, Annie E. Hooper, A. F. Horn, Frances M. Jenkin, H. L. Jenkins, J. Jenkins, E. A. Jenkinson, L. C. Johnson, E. T. Kendon, *A. D. E. Kennard, *W. R. Kirkness, R. F. Korte, C. E. Lakin, *F. J. Lawson, A. C. Le Rossignol, *G. H. H. Mansfield, N. H. Marshall, B.A., *T. A. Matthews, *F. J. A. Mayes, Mary Eva Hastings Morris, W. J. Morrish, H. R. F. Nettle, Marian Theresa Pool, I. G. Pritchard, H. H. Raw, *M. J. Rees, J. B. Rous, C. Russ, *L. C. A. Savatard, Agnes Catharine Scott, *C. C. C. Shaw, H. G. Sievwright, *F. M. V. Smith, G. Smith, B.A., J. A. Smyth, Louisa Spicer, Ethel M. Stacy, G. H. Stone, R. A. S. Sunderland, A. E. Thomas, *W. J. Thomas, *D. H. Trail, *Edith Eleanor Tucker, *D. D. Turner, W. B. Vaile, *A. B. Waller, H. K. Ward, Lucy Wellburn, A. Whitehead-Smith, W. A. L. Whitehouse, A. Wicksteed, J. T. Williams.

Physics (under former Regulations).—*J. Cameron.

* These Candidates have also passed in the Mathematics of the Intermediate Examination in Science, and have thus become admissible to the B.Sc. Examination.

† These Candidates have now completed the Examination.

INTERMEDIATE EXAMINATION IN MEDICINE.—The following candidates have satisfied the examiners:

Entire Examination.—First Division: W. Billington, Mason College; Naline Heloise Bonnerjee, London School of Medicine for Women; Harriett M. Castledine, B.A., London School of Medicine for Women; R. J. Howard, London Hospital; W. H. M'Mullen, King's College; Edith Neild, Edinburgh and London Schools of Medicine; F. G. Peck, St. George's Hospital; M. H. Phillips, University College, Bristol; C. G. Pugh, B.Sc., Middlesex Hospital; R. H. J. Swan, Guy's Hospital; F. G. Thomson, Cambridge University and Middlesex Hospital; W. H. Unwin, Charing Cross Hospital. Second Division: J. T. Auld, Owens College; A. S. Barnes, B.Sc., Mason College; F. Barnes, Mason College; H. S. Barwell, St. George's Hospital; J. W. H. Bendle, St. Mary's Hospital; A. Bevan, St. Thomas's Hospital; D. A. Birrell, St. Mary's Hospital; C. T. Bishop, Charing Cross Hospital; Elizabeth Honor Bone, London School of Medicine for Women; H. E. Brawn, Mason College; F. W. Brook, Guy's Hospital; C. W. Buckley, St. Mary's Hospital; Lucy Beatrice Clapham, London School of Medicine and Bedford College; A. E. Clarke, Guy's Hospital; J. A. P. Cullen, London Hospital; R. H. Dixon, St. Mary's Hospital; H. Dunk, Yorkshire College; J. T. Dunston, Guy's Hospital; Agnes Sarah Edmonds, B.A., London School of Medicine for Women; E. W. Floyd, Owens College; E. F. Fookes, Owens College; A. S. Gardiner, St. Mary's Hospital; A. S. Green, Royal College of Surgeons, Ireland, and Trinity College, Dublin; W. L. Griffiths, B.Sc., University College; A. Holroyde, Yorkshire College; A. W. Jones, St. Thomas's Hospital; A. J. Knowlton, Middlesex Hospital; E. L. Lilley, Charing Cross Hospital; Beatrice Frederica Lovibond, London School of Medicine for Women; J. Matthews, Guy's Hospital; A. G. Osborn, Guy's Hospital; T. Perrin, St. Thomas's Hospital; A. G. G. Plumley, Guy's Hospital; W. B. Prowse, University College, Bristol, and Clifton Laboratory; Adeline Mary Roberts, London School of Medicine for Women; Ettie Sayer, London School of Medicine and Pharmaceutical Institute; H. J. Taylor, Owens College; Jane Holland Turnbull, London School of Medicine for Women; F. D. Turner, Guy's Hospital.

Excluding Physiology.—First Division: T. Aubrey, University College, Bristol; F. Butterfield, Owens College; G. H. Coltart, Westminster Hospital; T. Marles-Thomas, University College; A. Ricketts, University College; S. R. Scott, St. Bartholomew's Hospital; L. A. Walker, St. Bartholomew's Hospital. Second Division: A. H.

Carter, Guy's Hospital; Mabel Eliza Cousins, London School of Medicine for Women; W. J. E. Davies, St. Thomas's Hospital; A. Densham, Guy's Hospital; F. L. A. Greaves, St. Thomas's Hospital; H. W. Harding, St. Thomas's Hospital; Elizabeth Knight, London School of Medicine for Women; E. Leach, Owens College; Marion Bessie Mathieson, London School of Medicine for Women; H. H. Mills, Westminster Hospital; J. A. O'Dowd, Mason College; W. B. Secretan, Guy's Hospital.

Physiology only.—Second Division: S. O. Bingham, St. Thomas's Hospital; H. H. Cheesman, Westminster Hospital; A. B. Cridland, University College, Bristol; W. H. S. Liddell, St. Mary's Hospital; A. J. Martineau, St. Thomas's Hospital; J. H. Rhodes, St. Bartholomew's Hospital; G. M. O. Richards, Owens College; J. E. Robinson, St. Bartholomew's Hospital; P. W. Rowland, St. Bartholomew's Hospital; C. Rundel, St. Mary's Hospital; D. L. Smith, Guy's Hospital; S. R. Smith, Westminster Hospital; G. P. Tayler, St. Bartholomew's Hospital; I. Taylor, Yorkshire; L. Whitfield, Mason College.

Anatomy (Honours).—First Class: H. S. Clogg (exhibition and gold medal), University College, Cardiff. Second Class: C. T. Hilton, Guy's Hospital. Third Class: H. Peet, Yorkshire College.

Physiology and Histology (Honours).—First Class: C. T. Hilton, Guy's Hospital. Second Class: F. S. Dawe, St. Mary's Hospital; R. Row, Grant Med. Coll., Bombay, and Univ. Coll. Third Class: C. J. Thomas, B.Sc., University College, Cardiff.

Organic Chemistry (Honours).—First Class: J. Gaff (exhibition and gold medal), St. Thomas's Hospital. Second Class: C. T. Hilton, Guy's Hospital; Mary Muriel Griffin Iles, Lond. Sch. of Med. and Birkbeck Inst.; D. J. Munro, Guy's Hospital.

Materia Medica and Pharmaceutical Chemistry (Honours).—First Class: C. T. Hilton (exhibition and gold medal), Guy's Hospital; H. Peet, Yorkshire College; Mabel Geraldine Stevenson, London School of Med. for Women. Second Class: A. Brown, King's College; J. F. Porter, London Sch. Anat. and London Hospital. Third Class: A. E. Horn, St. Mary's Hospital; R. R. Mowll, King's College; Mabel Paine, London School of Med. for Women; C. A. Sprawson, King's College.

UNIVERSITY OF EDINBURGH.

SECOND PROFESSIONAL EXAMINATION FOR DEGREES IN MEDICINE AND SURGERY.—The following is the official list of candidates who have completed this examination:

A. L. Anderson, W. N. Barker (with distinction), E. F. Bashford, F. P. Bester, S. C. Bose, E. R. Branch, A. E. Brookes, R. Bruce, E. H. Brunt, H. M. Bunday, C. J. Caddick, I. D. Cameron, R. Cameron, R. Carswell, A. I. S. Coghill, E. F. Coghlan, R. Crawford, F. P. Crowther, E. F. Cyriax, G. Drummond, H. Duckworth, C. L. Dunn, R. W. T. Ewart, S. Faed, G. W. Fitzgerald, J. G. Forbes, A. Fordyce, C. Forsyth, A. F. Fraser, E. Frost, R. Gellatly, A. B. George, J. F. Gibbon, H. E. Gibbs, H. A. H. Gilmer, F. J. Gray, J. M. Gray, A. A. Gunn, A. G. Hamilton, G. Hamilton, J. Hunter, J. W. Ingles, C. King (with distinction), F. O. Lasbrey, T. C. Lauder, Evariste Laval, J. Leggate, P. A. Leighton, L. S. L. Liddell, A. W. Limont, A. M. Little, W. Lockerie, J. S. Low, P. L. M'All, A. J. M'Clymont, M. R. M'Dougall, A. C. M'Gilechrist, M.A. (with distinction); A. M. M'Intosh, W. M'Kay, E. C. G. Maddock, M. B. Marshall, Ruth Massey, C. A. Mayne, W. P. Meldrum, C. W. F. Melville, L. H. B. Mills, J. Monroe, B. E. Myers, B. K. Nariman, T. M. Ness, M.A.; A. S. Parker, F. M. Parry, G. H. Parry, L. D. Parsons, H. K. Paxton, H. R. Phillips, T. Pretsell, F. W. Price, W. Raine, J. M. Reid, J. H. Rhodes (with distinction), F. W. Rigby, J. R. Roberts, B.Sc.; G. A. Rorie, J. E. Rosenstein, A. Shearer, A. B. Shed, J. A. Shoolbread, E. Somerville, J. F. Stewart, W. Tarr, W. E. Tellett, W. B. Thain, A. H. Thomas, A. H. Thompson, P. G. Leeb-du-Toit, A. K. Traill, G. R. Twomey, R. C. Verley, H. Wade, W. E. J. Wallis, D. B. Waters, M.A.; A. E. B. Wood, and A. H. Wood.

THIRD PROFESSIONAL EXAMINATION FOR THE DEGREES OF M.B. AND CH.B.—The following is the official list of candidates who have passed this examination:

A. J. T. Allen, H. L. S. D. Belasco, L. Boyer, W. S. Eaton, W. H. Fowler, G. Fourie, W. Gorrie, W. G. Heath, A. H. Keun, J. W. M'Intosh, W. E. M'Kechnie, G. W. Miller, E. F. M. Neave, J. H. P. Paton, H. K. Paxton, A. H. Pirie, C. M. Robertson, G. H. Stewart, and C. P. B. Wall.

CONJOINT BOARD IN ENGLAND.

FIRST EXAMINATION: The following gentlemen have passed this examination in the subjects indicated:

Part I. Chemistry, including Chemical Physics (Four Years Regulations).

—W. Beck, Aberdeen and Edinburgh; R. Cope, St. Bartholomew's Hospital; M. F. Ellis, Yorkshire College, Leeds; L. Galsworthy, St. Bartholomew's Hospital; K. W. Goadby, Guy's Hospital; M. H. J. Lange, King's College, London; A. J. Owen, Westminster Hospital; A. W. Robertson, Edinburgh and St. Bartholomew's Hospital.

Part II. Materia Medica (Four Years Regulations).—A. C. Ambrose, Guy's Hospital; M. C. B. Anderson, St. Mary's Hospital; T. H. Bailey, King's College Hospital; E. W. Clapham, London Hospital; T. J. Clift, Mason College, Birmingham; W. Daley, University College, Liverpool; G. E. French, St. Bartholomew's Hospital; F. S. Hunter, Mason College, Birmingham; B. Instone, Guy's Hospital; H. L. Laidman, Owens College, Manchester; M. H. J. Lange, King's College, London; L. F. Leslie, London Hospital; H. MacMaster, Sydney and Edinburgh Universities; G. C. Marrack, St. Bartholomew's Hospital; A. J. Owen, Westminster Hospital; G. B. Pearson, Guy's Hospital; W. Pettigrew, Firth College, Sheffield; E. C. Pratt, Mason College, Birmingham; W. R. Read, private study; A. W. Robertson, Edinburgh and St. Bartholomew's Hospital; J. W. Turner, Mason College, Birmingham; F. G. Verity, Charing Cross Hospital; G. Youn, Dublin.

Part III. Elementary Physiology (Four Years Regulations).—P. S. Cooke, Charing Cross Hospital; M. F. Ellis, Yorkshire College, Leeds; S. Galsworthy, St. Bartholomew's Hospital; K. W. Goadby, Guy's Hospital; E. A. Houchin, Middlesex Hospital.

Part I. Chemistry and Regulations (Five Years Regulations).—H. C. Alderman, Yorkshire College, Leeds; W. M. Anderson, Charing Cross Hospital; A. J. Arch, Mason College, Birmingham; E. E. Argles, St. Mary's Hospital; L. A. Arnould, St. Paul's School, West Kensington; M. T. Ascough, Owens College, Manchester; S. E. Atkinson, Yorkshire College, Leeds; A. J. Awdry, Mason College, Birmingham; H. C. Baker, St. Mary's Hospital; C. H. Bannerman, University College, Liverpool; J. M. Barlet, St. Mary's Hospital; H. R. Bateman, St. Thomas's Hospital; J. R. Beale, St. Thomas's Hospital; J. J. Bekenn, Mason College, Birmingham; A. C. Benson, St. Paul's School, West Kensington; G. Bevir, London Hospital; P. W. C. Blick, Oxford University; W. H. S. Blizzard, Mason College, Birmingham; C. W. Bond, St. Mary's Hospital; E. H. Bonney, Charing Cross Hospital; A. G. Boyden, Edinburgh; H. A. B. Bransbury, St. George's Hospital; H. C. Causton, University College, London; H. E. Clarke, St. Mary's Hospital; J. Coates, St. Thomas's Hospital; F. G. Cross, Guy's Hospital; F. Curtis, Guy's Hospital; J. C. J. Da Silva, Guy's Hospital; J. Davy, London Hospital; W. H. Davidson, London Hospital; C. W. Davies, St. Thomas's Hospital; W. E. L. Davies, St. Bartholomew's Hospital; V. Davies-Ooranofski, Glasgow, and University College, Liverpool; E. M. de V. Dawson, St. Thomas's Hospital; W. E. Denniston, St. Thomas's Hospital; A. W. S. De Vine, Mason College, Birmingham; A. De Morgan, St. Mary's Hospital; W. S. Dickie, Glasgow; E. A. Donaldson-Sim, St. Bartholomew's Hospital; A. S. Downton, London Hospital; B. M. Dunstan, St. Thomas's Hospital; F. P. Edwards, Cambridge University; T. H. Edwards, St. Thomas's Hospital; T. S. D. Enderby, St. Thomas's Hospital; L. F. Enthoven, Cambridge University; H. S. Faber, St. George's Hospital; C. D. E. Forbes, St. George's Hospital; F. Forrest, Owens College, Manchester; S. N. Foulkes, London Hospital; G. F. Furley, St. Bartholomew's Hospital; R. H. W. Garle, St. Thomas's Hospital; A. W. Gater, Guy's Hospital; L. W. Geraty, University College, Nottingham, and Dublin; W. R. Gilbert, St. Thomas's Hospital; C. A. Gill, University College, London; W. E. Graham, St. Bartholomew's Hospital; C. I. Graham, St. Mary's Hospital; H. R. Grellet, Bedford Grammar School; G. Griffin, London Hospital; R. L. Hagger, University College, London; J. M. Hamill, St. Paul's School, West Kensington; G. H. L. Hammerton, Firth College, Sheffield; M. G. Hannay, Charing Cross Hospital; W. R. Harrison, St. Mary's Hospital; M. B. Hay, University College, London; W. T. Haydon, St. Thomas's Hospital; P. A. Hayne, St. George's Hospital; E. H. Hogg, Middlesex Hospital; W. J. Hogg, Belfast; B. S. Hollick, Mason College, Birmingham; L. E. Hughes, St. Bartholomew's Hospital; G. F. Humphreys, St. Paul's School, West Kensington; G. J. Humphreys, St. Bartholomew's Hospital; C. U. Ind, St. Thomas's Hospital; A. D. Jameson, St. Thomas's Hospital; E. L. Jew, Glasgow; L. A. W. Johnston, Mason College, Birmingham; A. L. Jones, St. Mary's Hospital; D. M. Jones, Glasgow; R. A. Jones, Charing Cross Hospital; W. F. Jones, Charing Cross Hospital; H. N. Keeling, Bedford Grammar School; H. D. Kempthorne, Guy's Hospital; W. P. Ker, Guy's Hospital; D. H. J. Kirtton, Mason College, Birmingham; N. Leonard, St. Bartholomew's Hospital; G. M. Levick, University College, London; G. J. Lewis, Guy's Hospital; W. S. Lewis, Owens College, Manchester; N. Lipscombe, St. Bartholomew's Hospital; P. S. Mandy, Guy's Hospital; J. L. Martin, St. Mary's Hospital; C. C. W. Mays, Firth College, Sheffield; N. S. Meiklejohn, St. Paul's School, West Kensington; W. C. Mence, St. Thomas's Hospital; O. C. H. I. Moll, Guy's Hospital; T. W. Morcom, London Hospital; J. F. Morrison, London Hospital; A. C. Nash, Guy's Hospital; P. J. Nash, Guy's Hospital; V. B. Nesfield, St. Paul's School, West Kensington; H. T. Newling, St. Mary's Hospital; A. C. Newport, Charing Cross Hospital; P. G. Pavitt, Middlesex Hospital; S. J. Peake, King's College Hospital; E. McL. Perkins, London Hospital; E. W. Price, St. Bartholomew's Hospital; R. Reynolds, University College, Bristol; R. C. Richards, University College, London; E. Roberts, Guy's Hospital; G. R. Roberts, St. Thomas's Hospital; T. H. F. Roberts, Guy's Hospital; R. S. Roper, Guy's Hospital; R. A. De B. Rose, University College, London; F. F. Sall, St. Mary's Hospital; D. S. Sandiland, St. Bartholomew's Hospital; L. D. Saunders, St. George's Hospital; E. S. Scott, London Hospital; G. M. Seagrove, St. Bartholomew's Hospital; F. A. Segreda, Guy's Hospital; L. Sells, St. Thomas's Hospital; E. Shelton-Jones, Guy's Hospital; D. S. Skelton, London Hospital; J. E. Skey, Westminster Hospital; R. J. L. Sladen, London Hospital; H. H. Sloane, St. Bartholomew's Hospital; E. G. Smith, St. Bartholomew's Hospital; G. P. Smith, Mason College, Birmingham; M. S. Sodhi, London Hospital; G. M. Soper, St. Mary's Hospital; H. T. B. Soper, St. Paul's School, West Kensington; J. B. Stanley, Mason College, Birmingham; W. S. Steele, University College, London; P. S. Stokes, Firth College, Sheffield; H. V. Swindale, Middlesex Hospital; A. N. Symons, London Hospital; F. E. Tayler, St. Bartholomew's Hospital; R. Tilbury, Guy's Hospital; P. P. Tobit, King's College Hospital; E. D. Townroe, St. George's Hospital; F. M. G. Tullock, St. Mary's Hospital; A. R. Tweedie, St. Bartholomew's Hospital; G. A. Upcott-Gill, University College, London; J. C. Woodmore, University College, Bristol; E. R. Walker, Charing Cross Hospital; B. J. Ward, Mason's College, Birmingham; A. K. Wellington, St. Mary's Hospital; R. H. R. Whitaker, St. Bartholomew's Hospital; J. H. M. Whitehead, St. Thomas's Hospital; A. H. Williams, London Hospital; A. H. Wilson, Mason College, Birmingham; H. C. Wilson, St. Mary's Hospital; M. G. Winder, St. Bartholomew's Hospital.

Part II. Practical Pharmacy.—E. F. Ackery, private study; T. Adam, Firth College, Sheffield; J. B. Addison, St. Mary's Hospital; H. C. Alderman, Yorkshire College, Leeds; A. M. Amsler, St. Bartholomew's Hospital; G. J. S. Atkinson, St. Mary's Hospital; C. L.

Batterson, London Hospital; C. T. Baxter, Middlesex Hospital; J. J. Bekenn, Mason College, Birmingham; V. C. Bensley, St. Mary's Hospital; F. M. Boclet, Charing Cross Hospital; T. M. Body, St. Bartholomew's Hospital; E. H. Bonney, Charing Cross Hospital; A. H. Bostock, St. Bartholomew's Hospital; R. C. Bowden, St. Bartholomew's Hospital; C. H. Brodribb, St. Mary's Hospital; B. C. Broomhall, London Hospital; R. S. Burd, Mason College, Birmingham; C. L. Chalk, St. Bartholomew's Hospital; H. J. Chater, St. Mary's Hospital; R. W. Clark, London Hospital; W. F. H. Coke, St. George's Hospital; J. Couper, Charing Cross Hospital; H. M. Cruddas, St. Bartholomew's Hospital; A. M. Dodd, University College, Liverpool; K. H. Douglas, London Hospital; T. W. H. Downes, St. Thomas's Hospital; J. N. Dyson, Guy's Hospital; S. J. D. Esser, London Hospital; D. H. Evans, University College, Cardiff; R. Fell, Guy's Hospital; E. H. Felton, Guy's Hospital; C. Fisher, St. Bartholomew's Hospital; M. F. Foulds, Owens College, Manchester; W. S. Fullagar, St. Thomas's Hospital; W. A. Fuller, Guy's Hospital; R. W. B. Hall, Guy's Hospital; S. D. T. Halliday, Middlesex Hospital; M. G. Hannay, Charing Cross Hospital; E. J. F. Hardenberg, Guy's Hospital; G. Hardwicke, Yorkshire College, Leeds; T. A. B. Harris, Firth College, Sheffield; R. T. Harrison, St. George's Hospital; P. G. Harvey, St. Bartholomew's Hospital; H. W. Henshaw, St. Bartholomew's Hospital; E. C. Hepper, St. Bartholomew's Hospital; C. A. F. Hingston, Middlesex Hospital; E. W. Holyoak, St. Mary's Hospital; F. Horridge, St. Bartholomew's Hospital; C. U. Ind, St. Thomas's Hospital; T. D. Jago, St. Bartholomew's Hospital; S. C. Jellicoe, Middlesex Hospital; A. H. John, St. Bartholomew's Hospital; A. L. Jones, St. Mary's Hospital; J. H. Jones, Guy's Hospital; T. C. L. Jones, St. Bartholomew's Hospital; N. J. Kendal, Mason College, Birmingham; A. E. Landmann, Yorkshire College, Leeds; J. W. Lawson, Charing Cross Hospital; H. Leach, Yorkshire College, Leeds; F. A. Leah, Owens College, Manchester; W. S. Lewis, Owens College, Manchester; E. V. Lindsay, St. Bartholomew's Hospital; A. E. J. Lister, St. Bartholomew's Hospital; J. W. Little, St. Thomas's Hospital; R. H. Lloyd, St. Bartholomew's Hospital; W. E. G. Maltby, St. Bartholomew's Hospital; H. N. Marrett, St. Bartholomew's Hospital; J. C. Marshall, St. Bartholomew's Hospital; F. F. G. Mayer, London Hospital; E. P. Mead, London Hospital; S. M. W. Meadows, Middlesex Hospital; A. G. Michel, Charing Cross Hospital; H. T. T. Murdoch, Yorkshire College, Leeds; A. C. D. Newton, University College, London; T. D. Paddock, University College, Liverpool; C. A. Palmer, St. Thomas's Hospital; J. E. F. Palser, London Hospital; T. M. Pearce, St. Bartholomew's Hospital; S. Pern, St. Thomas's Hospital; N. Pern, St. Thomas's Hospital; G. R. Potter, Yorkshire College, Leeds; A. T. Pridham, St. Bartholomew's Hospital; A. Reid, Guy's Hospital; C. A. S. Ridout, St. Bartholomew's Hospital; J. F. Robertson, St. Bartholomew's Hospital; J. F. Robinson, Guy's Hospital; P. H. Ross, St. Bartholomew's Hospital; M. J. Rowlands, University College, Cardiff; E. F. Sall, St. Mary's Hospital; E. C. Sawdy, St. Mary's Hospital; T. Sayer, Yorkshire College, Leeds; C. W. Sharpley, Yorkshire College, Leeds; H. H. Sloane, St. Bartholomew's Hospital; E. D. Smith, St. Bartholomew's Hospital; N. F. Stallard, University College, London; W. A. Steen, London Hospital; V. H. Symons, Mason College, Birmingham; R. L. Thornley, St. Bartholomew's Hospital; F. M. G. Tullock, St. Mary's Hospital; H. S. Tumber, Firth College, Sheffield; A. B. Tytheridge, St. Mary's Hospital; P. L. Vawdrey, St. Bartholomew's Hospital; J. F. Walker, London Hospital; R. Walker, St. Bartholomew's Hospital; C. P. Weekes, Guy's Hospital; R. H. R. Whitaker, St. Bartholomew's Hospital; E. Wethered, St. Bartholomew's Hospital; E. S. Wilkinson, St. Bartholomew's Hospital; A. H. Williams, London Hospital; G. S. A. S. Wynne, St. Bartholomew's Hospital; T. Young, St. Bartholomew's Hospital.

Part III. Elementary Biology.—S. E. Atkinson, Yorkshire College, Leeds; J. A. Bachs, King's College, London; C. H. F. Bailey, Westminster Hospital; J. E. L. Bates, Guy's Hospital; A. Batchelar, University College, London; H. E. J. Batty, Guy's Hospital; C. Birch, Mason College, Birmingham; J. B. Bradley, Mason College, Birmingham; A. J. S. Brandon, St. Paul's School, West Kensington; C. E. Bulteel, King's College Hospital; H. E. Clarke, St. Mary's Hospital; S. Coram, St. Bartholomew's Hospital; A. J. Couzens, London Hospital; W. E. L. Davies, St. Bartholomew's Hospital; A. S. David, London Hospital; A. W. S. De Vine, Mason College, Birmingham; H. Pye-Smith Devitt, Cambridge University and St. George's Hospital; W. S. Dickie, Glasgow; B. M. Dunston, St. Thomas's Hospital; G. P. Duprey, Middlesex Hospital; W. B. Eddowes, St. Paul's School, West Kensington; W. H. Forshaw, Firth College, Sheffield; M. F. Foulds, Owens College, Manchester; T. A. B. Harris, Firth College, Sheffield; E. H. Hogg, Middlesex Hospital; W. J. Hogg, Queen's College, Belfast; E. T. Holland, St. Thomas's Hospital; L. A. W. Johnston, Mason College, Birmingham; D. M. Jones, Glasgow; W. F. Jones, Charing Cross Hospital; W. M. Joyce, Dublin; W. P. Ker, Guy's Hospital; E. Langworthy, St. Bartholomew's Hospital; G. M. Levick, University College, London; W. L'E. Mathews, Mason College, Birmingham; C. C. W. Mays, Firth College, Sheffield; H. Morrison, Yorkshire College, Leeds; A. W. Murray, St. Mary's Hospital; N. Navarra, Middlesex Hospital; A. C. D. Newton, University College, London; J. N. Parrott, St. Mary's Hospital; B. I. Rahim, King's College Hospital; H. G. Rashleigh, Guy's Hospital; R. Reynolds, University College, Bristol; G. R. Roberts, St. Thomas's Hospital; T. C. Rutherford, St. Paul's School, West Kensington; D. S. Sandiland, St. Bartholomew's Hospital; C. R. Shattock, King's College Hospital; E. Shelton-Jones, Guy's Hospital; J. E. Skey, Westminster Hospital; F. M. Smith, St. Mary's Hospital; V. H. Symons, Mason College, Birmingham; R. Thompson, St. Bartholomew's Hospital; F. P. Tobit, King's College Hospital; G. F. Walton, St. George's Hospital; B. J. Ward, Mason College, Birmingham; J. Ward, Firth College, Sheffield; J. L. Whately, Guy's Hospital; T. J. Wood, St. Bartholomew's Hospital; B. Yule, University College, London.

NAVAL AND MILITARY MEDICAL SERVICES.

ARMY MEDICAL STAFF EXCHANGE.

The charge for inserting notices respecting Exchanges in the Army Medical Department is 3s. 6d., which should be forwarded in stamps or post office order with the notice, not later than Wednesday morning, in order to ensure insertion in the current issue.

A SURGEON-MAJOR, likely to proceed to India early in the trooping season, wishes to exchange with an officer recently home.—Address No. 2203, BRITISH MEDICAL JOURNAL Office, 429, Strand, W.C.

THE NAVY.

THE following appointments have been made at the Admiralty: HUGH ST. D. GRIFFITHS, Surgeon, to the *Alexandra*, additional, for temporary service, August 19th; CHARLES JAMES, Staff-Surgeon, to the *Black Prince*, August 21st; WALTER G. AXFORD, Surgeon, to the *Vivid*, additional, for Keyham Yard, August 21st; HUGH CLIFT, Surgeon, to the *Vernon*, undated; ARTHUR S. NANCE, Staff-Surgeon, to the *President*, additional, for temporary service, August 24th; THOMAS C. MEIKLE, M.B., Surgeon, to the *Edinburgh*, August 24th; WILLIAM G. PECK, M.B., to the *Victory*, additional, to be lent to the *Endymion* for voyage out and home, August 18th; ALBERT X. LAVERTINE, Surgeon, to be lent to the *Nelson* for voyage out and home; BEAUCHAMP F. PARISH, Surgeon, to the *Raven*, August 18th; ERNEST A. PENFOLD, M.B., Surgeon, to the *Pembroke*, August 18th.

ARMY MEDICAL STAFF.

BRIGADE-SURGEON-LIEUTENANT-COLONEL J. L. NOTTER, M.D., is promoted to be Surgeon-Colonel, *vice* T. F. O'Dwyer, M.D., promoted, July 6th. Surgeon-Colonel Notter was appointed Assistant-Surgeon, March 31st, 1866; Surgeon, March 1st, 1873; Surgeon-Major, March 31st, 1878; and Brigade-Surgeon-Lieutenant-Colonel, March 28th, 1892. He has been Professor of Military Hygiene at Netley since October 6th, 1888.

Brigade-Surgeon-Lieutenant-Colonel HENRY COMERFORD, M.D., is also promoted to be Surgeon-Colonel, *vice* J. L. Notter, M.D., seconded for service as Professor of Military Hygiene at the Army Medical School, July 6th. Surgeon-Colonel Comerford's previous commissions are dated as follow: Assistant-Surgeon, March 31st, 1866; Surgeon, March 1st, 1873; Surgeon-Major, March 31st, 1878; and Brigade-Surgeon-Lieutenant-Colonel, April 5th, 1892. He was in the Zulu war of 1879, being present at the battle of Ulundi (medal with clasp), and in the Boer war of 1881, when he took part in the defence of Pretoria (mentioned in despatches).

Surgeon Lieutenant-Colonel P. J. MCQUAID, M.D., retires on retired pay, August 19th. He entered the service as Surgeon, September 30th, 1873, and became Surgeon-Major twelve years and Surgeon Lieutenant-Colonel twenty years thereafter. He served in the Afghan war 1878-79, and was present in the engagement at Charasiah on the 6th October, 1879, and in the operations round Cabul in December, 1879, including the investment of Sherpore (medal with two clasps). He was also in the Egyptian war of 1882, and was present at the action at Kassasin on September 9th, and at the battle of Tel-el-Kebir (medal with clasp, and Khedive's star).

Surgeon-Major W. H. MACNAMARA, M.D., has been appointed to the Royal Hospital, Chelsea, as Deputy-Surgeon, *vice* Surgeon T. Ligertwood, M.D., who has been promoted Physician and Surgeon, with the rank of Surgeon-Colonel.

The following is the list of successful candidates for commissions in the Medical Staff of Her Majesty's Army at the recent examination in London:

Order of Merit.	Names.	Marks.	Relative Marks under Old Scale.
1	Stammers, G. E. F.	3,018	3,159
2	Wanhill, C. F.	2,643	2,681
3	Hudleston, W. E.	2,345	2,606
4	Corkery, M. P.	2,254	2,402
5	Addams-Williams, L.	2,215	2,346
6	Rattray, M. M.	2,209	2,195
7	Gaine, F. J.	2,102	2,336
8	Power, J. H.	1,979	2,199
9	Phillips, R. E.	1,959	2,177
10	Bliss, E. W.	1,934	2,131
11	Marriott, W. E. P. V.	1,926	2,139
12	Clarke, T. H. M.	1,907	2,076
13	Berne, J. G.	1,804	2,005

INDIAN MEDICAL SERVICE.

THE undermentioned promotions, which have been already announced in the BRITISH MEDICAL JOURNAL, have received the approval of the Queen: Surgeon-Lieutenant-Colonel W. E. JOHNSON, M.D., G. F. BEVAN, and A. F. DOBSON, all of the Madras Establishment, to be Brigade-Surgeon-Lieutenant-Colonels.

Surgeon-Lieutenant-Colonels CHARLES LITTLE, M.D., and A. N. ROGERS-HARRISON, of the Madras Establishment, are also promoted to be Brigade-Surgeon-Lieutenant-Colonels, the former from July 21st, 1895, the latter from April 1st, 1896.

The retirement from the service of Brigade-Surgeon-Lieutenant-Colonel ROBERT JAMESON, M.D., Bengal Establishment, and which has been previously announced in these columns, has been sanctioned by the Queen. The date of retirement of Brigade-Surgeon-Lieutenant-Colonel F. C. NICHOLSON, Bengal Establishment, is altered to April 2nd, 1896.

Medical Officer as to the progress made. Not long ago Brigade-Surgeon-Lieutenant-Colonel Sanders gave notice of a motion to withdraw the subsidy. Upon this Dr. Simpson, Medical Officer to the Municipality, published a voluminous report on the work done at the various inoculation stations, and this was circulated at a meeting on July 2nd before Brigade-Surgeon-Lieutenant-Colonel Sanders's motion came on. The motion was eventually postponed pending a reference to the Government on the subject.

THE FILTRATION OF WATER FOR BRITISH TROOPS IN INDIA.—The *Pioneer Mail* of Allahabad, of July 15th, writes: A correspondent recently complained in these columns that nothing was being done by Government towards ensuring a supply of filtered water for the British troops serving in this country. This statement is hardly correct, as we understand that the question of introducing filters on the Pasteur-Chamberland system in the barracks and hospitals of British troops in India, in place of the Macnamara filter, the withdrawal of which was ordered two or three months ago, has been engaging the attention of the Government of India for some time past. In April last the Director-General of Military Works was asked to frame definite proposals for the installation at Dinapore and Meerut of Pasteur-Chamberland filters of the pattern which may be considered most suitable for the purpose, together with estimates showing the cost of the arrangements proposed: and the matter is at present under consideration.

BOMBAY TANKS.—Now that the city of Bombay has been provided with an abundant supply of pure water, the need of tanks has ceased to exist, and water not being drawn from these they stagnate and get foul. The policy of filling them up and converting them into breathing spaces and pleasure grounds has, as in Calcutta, found favour. The town is rapidly growing, and the necessity for such spaces becoming more urgent, the *Times of India* proposes that, as this growth proceeds, the arrangement of buildings and location of breathing spaces should be systematically considered by a special board. This is a good suggestion.

BOMBAY HOSPITALS.—The report of the Civil Medical Institutions of the City of Bombay for the year 1895 has been published. They are eleven in number. 16,838 indoor, and 91,109 outdoor patients were treated—107,947 in all, against 110,911 and 105,336 in the two preceding years. The death-rate among indoor patients was 9.5 per cent., 686 men, 205 women, and 67 children were under daily treatment. Malarial fevers were less prevalent than in 1894. 2,515 major and 31,386 minor operations were performed. The death rate among the former was 4.8 per cent. These eleven hospitals and dispensaries cost about 4 lakhs of rupees, of which Government contributed 71 per cent, the remainder being derived from the Bombay Municipality, Port Trust, paying patients, endowments, and other sources. The Surgeon-General inspected each institution during the year, and found them in good working order.

THE MADRAS MEDICAL COLLEGE.—The distribution of prizes to the pupils of the Medical College took place on June 30th. The proceedings opened with the reading of the report by Brigade-Surgeon Lieutenant-Colonel W. R. Browne, the principal. The report showed the strength of the College on October 1st last to be 353. Thirty joined afterwards, and 96 entered for the Sanitary Inspectors' Class on the re-opening of the College after the Christmas vacation. Three others entered for the summer sessions course, making a total of 482 students. There were 19 casualties during the year, leaving 463 students on the rolls who had actually completed their curricula, against 419 of the previous year. Of the number on the rolls 23 were female pupils.

HONG KONG.

DR. CLARK, the Medical Officer of Health for the Colony of Hong Kong, in his report for the year 1895, indicates the desirability for some determined effort to reduce the overcrowding in certain parts of the city of Victoria. At present there are 300 persons to the acre, a density of population six times that of London. Infant mortality is very high, owing principally to trismus neonatorum, for which, doubtless, overcrowding, filth, soiling of the umbilicus, and contagion conveyed by midwives, are responsible. Dr. Clark brings out an interesting fact in reference to the relative liability of the sexes to bubonic plague. He shows that whereas in Hong Kong the male population is to the female, approximately, as 5 to 1, the deaths from plague were as 1.7 to 1, that is, the women of Hong Kong suffered from the disease to about double the extent of the men. We would suggest that this arises not from superior susceptibility of the female sex, but from the circumstances that Chinese women, passing nearly the whole of their time indoors, are more constantly exposed to the infection than the men, who necessarily have to be out at their work, during the day time at least.

MEDICAL NEWS.

MEDICAL MAGISTRATE.—Mr. Charles Mason Scott, F.R.C.S., of Rockingham, Kingstown, has been appointed to the Commission of the Peace for the County of Dublin.

The Queen has been pleased to sanction the appointment of Surgeon-Major-General James Jameson, M.D., Director-General Army Medical Staff, as a Knight of Grace of the Order of the Hospital of St. John of Jerusalem in England.

THREE gentlemen are lying seriously ill at Ipswich from typhoid, which is attributed to eating oysters—Mr. Raymond George Bennett (son of Councillor Bennett) and Mr. Tom Bennett, with another gentleman obtained the oysters while yachting off the Essex Coast. Mr. Raymond Bennett and Mr. Tom Bennett ate of them, but the third gentleman abstained. They brought a few home for Mr. Arthur Field, of Ipswich, who ate some, and was also taken ill.

THE SANITARY INSTITUTE.—The fifteenth congress of the Sanitary Institute will be held in Newcastle-on-Tyne from September 2nd to 9th. The President of the Congress is the Right Hon. the Earl Percy, P.C., D.L., J.P. The meetings of the congress will consist of three general addresses and lectures; three sectional meetings, dealing with: 1. Sanitary Science and Preventive Medicine, presided over by Professor W. H. Corfield, M.A., M.D.Oxon., F.R.C.P.; 2. Engineering and Architecture, presided over by Sir Andrew Noble, K.C.B., F.R.S., M.Inst.C.E.; 3. Chemistry, Meteorology, and Geology, presided over by W. H. Dines, B.A., F.R.M.S. Five special conferences: Port Sanitary Authorities, presided over by Arthur Holt-Barber, Chairman Port of London Sanitary Authority; Medical Officers of Health, presided over by Alfred Hill, M.D., F.R.S.E., F.I.C., F.C.S.; Municipal and County Engineers, presided over by Francis J. C. May, M.Inst.C.E.; Sanitary Inspectors, presided over by George Reid, M.D., D.P.H.; Domestic Hygiene, presided over by the Mayoress of Newcastle-upon-Tyne. The local arrangements are in the hands of an influential local committee, presided over by the Mayor of Newcastle, with Dr. H. E. Armstrong, medical officer of health for the city, and Dr. J. W. Hem-brough, medical officer of health for Northumberland, as honorary secretaries.

MEDICAL VACANCIES.

The following vacancies are announced:

BRADFORD UNION WORKHOUSE.—Resident Assistant Medical Officer; unmarried, doubly qualified. Salary, £100 per annum, with prescribed rations, washing, and apartments in the workhouse. Applications to Thos. Crowther, Clerk to the Guardians, Poor Law Offices, 22, Manor Row, Bradford, Yorkshire, before August 31st.

CITY OF LONDON HOSPITAL FOR DISEASES OF THE CHEST, Victoria Park, E.—House-Physician. Appointment for six months from October 1st. Salary at the rate of £30 per annum with board and residence. Applications to J. Storrar Smith, Secretary, by September 9th.

COUNTY BOROUGH OF BURY.—Medical Officer of Health. Will be required to devote his whole time to the duties of his office. Salary, £300 per annum, with actual disbursements. Applications, endorsed "Medical Officer of Health," to John Haslam, Town Clerk, by August 24th.

DERBYSHIRE ROYAL INFIRMARY, Derby.—Clinical Assistant. Appointment for six months. Honorarium, £10 after six months' satisfactory service, with board, residence, and washing. Applications to Walter G. Carnit, Secretary, by September 7th.

FINSBURY DISPENSARY, Brewer Street, Goswell Road, E.C.—Resident Medical Officer. Appointment an annual one, but suitable officer would be re-elected for three successive years. Salary, £100 per annum, with furnished residence, attendance, coals, and gas. Applications to the Secretary by August 27th.

GATESHEAD UNION.—Medical Officer and Public Vaccinator for the Heworth District. Salary, £80 per annum, with extra medical fees as prescribed by the Local Government Board. Remuneration of the Public Vaccinator is 6d. for each successful vaccination. Must reside within the district. Applications to George Craighill, Clerk to the Guardians, Poor-law Union Offices, Prince Consort Road, Gateshead, by August 29th.

MANCHESTER CHILDREN'S HOSPITAL, Pendlebury.—Junior Resident Medical Officer; doubly qualified. Salary, £80 per annum, with board and lodging. Appointment for one year. Applications to the Chairman of the Medical Board by August 31st.

MANCHESTER CLINICAL HOSPITAL FOR WOMEN AND CHILDREN, Park Place, Cheetham Hill Road. House-Surgeon. Salary, £80 per annum, with apartments and board. Applications to Mr. Hubert Teague, Secretary, 38, Barton Arcade, Manchester, by August 29th.

METROPOLITAN ASYLUMS BOARD.—Assistant Medical Officer at the North-Eastern Fever Hospital, St. Ann's Road, N. Unmarried; not more than 35 years of age and doubly qualified. Salary, £160 during the first year, £180 during the second year, and £200 during the third and subsequent years of service, with board, lodging, and washing. Application forms to be obtained at the offices of the Board, Norfolk House, Norfolk Street, Strand, W.C., to be sent in by August 27th.

METROPOLITAN HOSPITAL, Kingsland Road, N.E.—House-Physician, House-Surgeon, Assistant House-Physician, Assistant House-Surgeon, Appointments tenable for six months; doubly qualified. The House-Physician and House-Surgeon will each receive a salary at the rate of £40 a year, the Assistant House-Physician and Assistant House-Surgeon at the rate of £20 a year. Applications to Charles H. Byers, Secretary, by September 5th.

MONKWEARMOUTH AND SOUTHWICK HOSPITAL, Sunderland.—House-Surgeon; unmarried, doubly qualified. Salary, £80 per annum, with board, residence, and washing. Applications to J. G. Jordan, Honorary Secretary, by August 26th.

OWENS COLLEGE, Manchester.—Senior and Junior Demonstrator in Physiology. The stipends £150 rising to £200, and £100 rising to £150 respectively. Applications to S. Chaffers, Registrar, by September 22nd.

PARISH COUNCILS, Marykirk, Kincardineshire, and Logie Port, Forfarshire.—Medical Officer, to reside in either parish. Applications to John Scott, Clerk of the Parish Council of Marykirk, by Laurence-kirk, by August 29th.

ROYAL FREE HOSPITAL, Gray's Inn Road, W.C.—House-Physician. Appointment for six months. No salary, but board, etc., provided. Applications to Conrad W. Thies, Secretary, by August 31st.

TEIGNMOUTH HOSPITAL, South Devon.—House-Surgeon.—Salary, £66 per annum. Applications to the Secretary before August 24th.

TOWER HAMLETS DISPENSARY, Stepney, E.—Resident Medical Officer. Salary, £120 per annum, with furnished apartments, coals, gas, and attendance. Applications to Dr. Donkin, 108, Harley Street, W., by September 3rd.

VESTRY OF CLERKENWELL.—Medical Officer of Health for the Parish; must be qualified in Medicine, Surgery, and Midwifery, and hold a diploma in Sanitary Science. Salary, £500. Must devote his whole time to the duties of the office. Applications, endorsed "Medical Officer of Health," to be sent to R. E. Paget, Vestry Clerk, Town Hall, Clerkenwell, by August 31st.

VICTORIA HOSPITAL FOR SICK CHILDREN, Kingsland Road, N.E.—House-Physician; must be F. or M.R.C.S.Eng., and L.S.A. Honorarium of £50 per annum, with board and lodging in the hospital. Appointment for twelve months. Applications to Commander Blount, R.N., Secretary by September 12th.

MEDICAL APPOINTMENTS.

BLACK, D. Campbell, M.B.Glasg., L.R.C.S.Edin., appointed Examiner in Physiology in the University of St. Andrews.

BURMAN, Frederick J., L.R.C.P.Edin., M.R.C.S.Eng., appointed Medical Officer for the Wath District of the Rotherham Union.

BURNS, Robert J., M.R.C.S.Eng., L.R.C.P.Lond., appointed Medical Officer for the Bishopwearmouth East District of the Sunderland Union.

EAMES, Charles W., M.R.C.S., L.R.C.P.Lond., appointed Assistant Medical Officer to the Workhouse of the Leeds Union.

FFRENCH, Digby M., L.R.C.P., L.R.C.S.I., appointed Medical Officer for the Mendlesham District of the Hartismere Union.

GARDNER, W. Willoughby, M.D.Lond., M.R.C.S.Eng., L.R.C.P., appointed Physician to the Salop Infirmary, *vice* R. W. O. Withers, L.R.C.P.Lond., M.R.C.S.Eng., resigned.

GIBBON, Frederick W., L.R.C.P., L.R.C.S.Edin., appointed Medical Officer for the First District and the Workhouse of the St. Albans Union.

LEE, James, M.B., C.M.Edin., appointed Junior House-Surgeon to the District Hospital, West Bromwich.

LEIGH, Arthur, M.B., Ch.B.Vict., appointed Medical Officer for the Wotton District of the Blackburn Union.

LYS, George, L.R.C.P.Lond., M.R.C.S.Eng., appointed Medical Officer for the Almer District of the Wimborne and Cranborne Union.

PRIDIE, John F., M.B., C.M.Edin., appointed Medical Officer for the Chingford District of the Epping Union.

PRIOR, J. R., M.B.Durh., M.R.C.S., L.R.C.P., appointed Junior House-Surgeon to the Seamen's (late *Dreadnought*) Branch Hospital, Royal Albert Docks, E., *vice* A. Shillitoe, M.B., B.C.Cantab., resigned.

PRIOR, Samuel, M.B., C.M.Glasg., appointed Assistant Medical Officer at the Barony Parish Asylum at Woodilee Lenzie, *vice* J. Barr Stevens, resigned.

REES, D. C., M.R.C.S., L.R.C.P., appointed Senior House-Surgeon to the Seamen's (late *Dreadnought*) Branch Hospital, Royal Albert Docks, E., *vice* J. Rust, M.A., M.D.Aberd., resigned.

SMITH, William R., M.D., B.S.Lond., F.R.C.S.Eng., appointed House-Surgeon to the Nottingham General Hospital, *vice* R. G. Hogarth, F.R.C.S.Eng., resigned.

SWAINSON, J. M. G., L.R.C.P., M.R.C.S., appointed Resident Obstetric Assistant to the Westminster Hospital.

THOMAS, W. E., M.D., appointed Medical Officer for the Pentre and Ystrad Rhondda District of the Pontypridd Union.

THOMSON, Mr. William, appointed Surgeon in Dublin to the London and North-Western Railway Company.

WARBURTON, G. S., M.R.C.S., L.S.A., appointed Medical Officer and Public Vaccinator to the Upper Ystradyfodiog District of the Pontypridd Union, *vice* Dr. J. R. James, deceased.

WATTS, Brian, M.D.Brux., M.R.C.S.Eng., L.R.C.P.Lond., appointed a Resident Medical Officer at the Sheffield General Infirmary.

WHITEHALL-COOKE, Cecil, M.D.Lond., M.R.C.S., L.R.C.P., appointed Divisional Surgeon to the Metropolitan Police at Willesden Green.

WILLIAMS, R. T., L.R.C.P., L.R.C.S.Edin., reappointed Medical Officer of Health to the Porthcawl District Council.

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 ensure insertion in the current issue.

BIRTH.

THOM.—At Parkview, Barlinnie, Glasgow, on August 8th, the wife of J. Maxtone Thom, M.B., C.M.Edin., D.P.H., a daughter.

MARRIAGE.

GOUGH—PHILLIPS.—On August 14th, at Emmanuel Church, Compton Gifford, Plymouth, by the Rev. Prebendary Hayne, Vicar of Buckland Monachorum, Yelverton, assisted by the Rev. E. J. Windsor (late Vicar of Horrabridge), John Harley Gough, M.R.C.S.Eng., L.R.C.P.Lond., of Harwood, Horrabridge, South Devon, eldest son of the late Henry Gough, of Manchester, to Mary Susan Phillips, only daughter of the late John Phillips, of Buckland Abbey, Yelverton, South Devon.

HOURS OF ATTENDANCE AND OPERATION DAYS AT THE LONDON HOSPITALS.

CANCER, Brompton (Free). *Attendances*.—Daily, 2. *Operations*.—Tu. F. S., 2.

CENTRAL LONDON OPHTHALMIC. *Operations*.—Daily.

CHANCING CROSS. *Attendances*.—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. *Operations*.—W. Th. F., 3.

CHELSEA HOSPITAL FOR WOMEN. *Attendances*.—Daily, 1.30. *Operations*.—M. Th. F., 2.

CITY ORTHOPEDIC. *Attendances*.—M. Tu. Th. F., 2. *Operations*.—M., 4.

EAST LONDON HOSPITAL FOR CHILDREN. *Operations*.—F., 2.

GREAT NORTHERN CENTRAL. *Attendances*.—Medical and Surgical, M. Tu. W. Th. F., 2.30; Obstetric, W., 2.30; Eye, M. Th., 2.30; Throat and Ear, Tu. F., 2.30. Skin, W., 2.30; Dental, W., 2. *Operations*.—W.

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

HOSPITAL FOR WOMEN, Soho. *Attendances*.—Daily, 10. *Operations*.—M. Th., 2.

KING'S COLLEGE. *Attendances*.—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. *Operations*.—M. F. S., 2.

LONDON. *Attendances*.—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. *Operations*.—M. Tu. W. Th. S., 2.

LONDON TEMPERANCE. *Attendances*.—Medical, M. Tu. F., 2; Surgical, M. Th., 2. *Operations*.—M. Th., 4.30.

METROPOLITAN. *Attendances*.—Medical and Surgical, daily, 9; Obstetric, W., 2. *Operations*.—F., 9.

MIDDLESEX. *Attendances*.—Medical and Surgical, daily, 1.30; Obstetric, M. Th., 1.30; o.p., M. F. S., 1.30; Eye, Tu. F., 9; Ear and Throat, Tu. F., 9; Skin, Tu., 4; Th., 9.30; Dental, M. W. F., 9.30. *Operations*.—W., 1.30; S., 2; (Obstetric), Th., 2.

NATIONAL ORTHOPEDIC. *Attendances*.—M. Tu. Th. F., 2. *Operations*.—W., 10.

NEW HOSPITAL FOR WOMEN. *Attendances*.—Daily, 2; Ophthalmic, W. S., 9.30. *Operations*.—Tu. F., 9.

NORTH-WEST LONDON. *Attendances*.—Medical and Surgical, daily, 2; Obstetric, W., 2; Eye, W., 9; Skin, F., 2; Dental, F., 9. *Operations*.—Th., 2.30.

ROYAL EYE, Southwark. *Attendances*.—Daily, 2. *Operations*.—Daily.

ROYAL FREE. *Attendances*.—Medical and Surgical, daily, 2; Diseases of Women, Tu. S., 9; Eye, M. F., 9; Skin, Th., 9; Throat, Nose, and Ear, S., 9; Dental, Th., 9. *Operations*.—W. S., 2; (Ophthalmic), M. F., 10.30; (Diseases of Women), S., 9.

ROYAL LONDON OPHTHALMIC. *Attendances*.—Daily, 9. *Operations*.—Daily, 10.

ROYAL ORTHOPEDIC. *Attendances*.—Daily, 1. *Operations*.—M., 2.

ROYAL WESTMINSTER OPHTHALMIC. *Attendances*.—Daily, 1. *Operations*.—Daily.

ST. BARTHOLOMEW'S. *Attendances*.—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; Orthopedic, M., 2.30; Dental, Tu. F., 9. *Operations*.—M. Tu. W. S., 1.30; (Ophthalmic), Tu. Th., 2.

ST. GEORGE'S. *Attendances*.—Medical and Surgical, daily, 12; Obstetric, M. Th., 2; o.p., Eye, W. S., 2; Ear, Tu., 2; Skin, W., 2; Throat, F., 2; Orthopedic, W., 2; Dental, Tu. S., 9. *Operations*.—M. Tu. Th. F. S., 1.

ST. MARK'S. *Attendances*.—Fistula and Diseases of the Rectum, males, S., 3; females, W., 9.45. *Operations*.—M., 2; Tu., 2.30.

ST. MARY'S. *Attendances*.—Medical and Surgical, daily, 1.45; o.p., 1.30; Obstetric, Tu. F., 1.45; o.p., M. Th., 1.30; Eye, Tu. F., 9; Ear, M. Th., 3; Orthopedic, W., 10; Throat, Tu. F., 3; Skin, M. Th., 9.30; Electro-therapeutics, M. Th., 2.30; Dental, W. S., 9.30; Children's Medical, Tu. F., 9.15; Children's Surgical, S., 9.15. *Operations*.—M., 2.30; Tu. W. F., 2; Th., 2.30; S., 10; (Ophthalmic), F., 10.

ST. PETER'S. *Attendances*.—M., 2 and 5; Tu., 2; W., 5; Th., 2; F. (Women and Children), 2; S., 4. *Operations*.—W. F., 2.

ST. THOMAS'S. *Attendances*.—Medical and Surgical, M. Tu. Th. F., 2; o.p., daily, 1.30; Obstetric, Tu. F., 2; o.p., W. S., 1.30; Eye, Tu. F., 2; o.p., daily, exc. S., 1.30; Ear, M., 1.30; Skin, F., 1.30; Throat, Tu. F., 1.30; Children, S., 1.30; Electro-therapeutics, o.p., Th., 2; Mental Diseases, o.p., Th., 10; Dental, Tu. F., 10. *Operations*.—M. W. Th. S., 2; Tu. Th., 3.30; (Ophthalmic), Th., 2; (Gynecological), Th., 2.

SAMARITAN FREE FOR WOMEN AND CHILDREN. *Attendances*.—Daily, 1.30. *Operations*.—W., 2.30.

THROAT, Golden Square. *Attendances*.—Daily, 1.30; Tu. F., 6.30. *Operations*.—Th., 2.

UNIVERSITY COLLEGE. *Attendances*.—Medical and Surgical, daily, 1.30; Obstetrics, M. Tu. 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. *Operations*.—Tu. W. Th., 2.

WEST LONDON. *Attendances*.—Medical and Surgical, daily, 2; Dental, Tu. F., 9.30; Eye, Tu. Th., 2; Ear, Tu., 10; Orthopedic, W., 2; Diseases of Women, W. S., 2; Electric, Tu., 10; F., 4; Skin, F., 2; Throat and Nose, S., 10. *Operations*.—Tu. F., 2.30.

WESTMINSTER. *Attendances*.—Medical and Surgical, daily, 1; Obstetric, Tu. F., 1; Eye, Tu. F., 9.30; Ear, M., 9; Skin, W., 1; Dental, W. S., 9.15. *Operations*.—Tu. W., 2.

LETTERS, NOTES, AND ANSWERS TO CORRESPONDENTS.

COMMUNICATIONS FOR THE CURRENT WEEK'S JOURNAL SHOULD REACH THE OFFICE NOT LATER THAN MIDDAY POST ON WEDNESDAY. TELEGRAMS CAN BE RECEIVED ON THURSDAY MORNING.

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

AUTHORS desiring reprints of their articles published in the BRITISH MEDICAL JOURNAL are requested to communicate beforehand with the Manager, 429, Strand, W.C.

CORRESPONDENTS who wish notice to be taken of their communications should authenticate them with their names—of course not necessarily for publication.

CORRESPONDENTS not answered are requested to look to the Notices to Correspondents of the following week.

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

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

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