

3. What are the official salts of (1) bismuth, (2) zinc? In what doses are they employed, and what are their actions? 4. Give an account of the medicinal action of hyoscyamus. To what drugs is it most closely allied, and to what is it antagonistic? What are its preparations, and what are their doses for internal administration? 5. Give the composition of the following Pharmacopœical preparations:—Mistura ferri composita, pulvis cretæ aromaticus cum opio, pulvis catechu compositus, lotiohydrargyri flava, puvis opii compositus, liquor arsenii et hydrargyri iodidi. 6. What forms of sulphur are mentioned in the Pharmacopœia? What are its preparations and doses and how is it eliminated?

[Note.—This paper also applies to candidates for the licence of the Royal College of Physicians of London.]

PART III.—ELEMENTARY PHYSIOLOGY.

Tuesday, January 4th, 1887. From 10 A.M. to 12 noon. (Candidates must answer at least four of the six questions.)

1. Name the tissues shown under microscopes A, B, C. By what characteristics do you recognise them? 2. Give the position and action of the valves of the heart. 3. Milk is a complete food for infants. Explain this statement. 4. Describe and explain a simple reflex act. 5. Enumerate the chief constituents of bile. 6. What changes does a striped muscle undergo in contraction and in death.

SECOND EXAMINATION.
PHYSIOLOGY.

Thursday, January 6th, 1887, from 2 to 5 P.M. (Candidates must answer at least four questions.)

1. Explain and illustrate the action of the nervous system on the arteries. 2. Describe the minute structure of the spinal cord. 3. What is the structure of a capillary bloodvessel and a venule? Contrast the character of the blood-flow in these with that in an arteriole. 4. Describe the structure and functions of the skin. 5. Mention the fats which are usually taken as food. How are they digested? What is their probable destination? 6. State the composition and properties of glycogen? Where does it occur? How may it be prepared?

ANATOMY.

Friday, January 7th, 1887, from 2 to 5 P.M. (Candidates must answer at least four questions.)

1. Describe the sensory nerve-supply to the skin of the face and scalp. 2. Describe the dissection required to expose the deep epigastric artery. 3. Give the origin, course, insertion, actions, relations, and nerve-supply of the pyriformis muscle. 4. Describe the œsophagus, and give its situation, relations, arterial and nervous supply. 5. Enumerate the muscles acting on the shoulder-joint. Give their actions and nerve-supply. 6. Give the course, relations, and tributaries of the superficial and common femoral veins.

Appointments.

Successful applicants for Vacancies, Secretaries of Public Institutions, and others possessing information suitable for this column are invited to forward it to THE LANCET Office, directed to the Sub-Editor, not later than 9 o'clock on the Thursday morning of each week for publication in the next number.

- BOUYERIE, F. P. McDONALD, M.D., C.M., &c., has been appointed Medical Officer and Public Vaccinator for the North District of Wallasey of the Birkenhead Union.
- BRIGGS, HENRY, M.B., F.R.C.S., has been appointed Honorary Medical Officer to the Hospital for Women, Shaw-street, Liverpool, vice Lupton, deceased.
- BURKITT, JOHN C. S., M.D., L.Ch. Roy. Univ. Irel., has been appointed Medical Officer to the Whitwick Local Board.
- CASTLE, HUTTON, M.B. Lond., M.R.C.S., has been appointed Medical Officer for the Shorwell North District of the Isle of Wight Union.
- COURTNER, RAYMOND, M.B. Dur., M.R.C.S., late Senior House-Physician at the Westminster Hospital, has been appointed Assistant Medical Officer to the St. Marylebone Infirmary, Notting-hill, W.
- DE JONGE, EDWARD M., B.A., L.S.A., has been appointed Resident Junior Visiting Surgeon to the Ancoats Hospital, vice Alfred Mackay, M.B., C.M., resigned.
- DRAKE, THOMAS, M.R.C.S., L.S.A., has been appointed Medical Officer of Health for the West Ham Urban Sanitary District.
- GREENLEES, T. DUNCAN, M.B. Edin., Second Assistant Medical Officer to the Counties Asylum, Carlisle, has been appointed Assistant Medical Officer to the City of London Asylum, Stone, Dartford.
- HOBBS, T. G. FOSBROKE RICE, L.F.P.S., L.M., L.S.A., has been appointed Medical Officer and Public Vaccinator to the Sutton District of the Aston Union, vice C. Barlow, M.R.C.S., L.S.A., deceased.
- INGLEBY-MACKENZIE, K. W., M.R.C.S., L.R.C.P. Lond., has been appointed House-Surgeon to the Royal Isle of Wight Infirmary, Ryde, vice A. G. R. Foulerton, M.R.C.S., L.R.C.P., resigned.
- JOLLIFFE, WALTER J., M.R.C.S., L.R.C.P. Ed., has been appointed Medical Officer for the Shorwell South District of the Isle of Wight Union.
- LIMRICK, W. SOMERVILLE, L.R.C.S., L.R.C.P. Ed., has been reappointed Medical Officer of Health by the Waterloo Local Board.
- PARRY JONES, W. R., L.R.C.S., L.R.C.P. Ed., L.S.A., has been appointed Medical Officer to the Rhosddu Lodge, N. U. Order of Oddfellows, the Bridge House, Golden Lion, Bowling-green, and Wrexham and District Colliers Tontine Societies.
- RYGATE, JOHN R., L.K.Q.C.P.I., L.R.C.S. Ed., has been appointed Medical Officer for the Seventh District of the Bridgwater Union.
- WESTON, GEORGE H., M.R.C.S., L.S.A., has been appointed Medical Officer for the Polesworth District of the Atherstone Union.
- WHITFORD, WILLIAM, M.D., Honorary Assistant Physician, has been appointed Physician to the Stanley Hospital, Liverpool, vice D. D. Costine, M.D. J.P., appointed Consulting Physician.
- YOUNG, R. R., M.B., C.M. Glas., has been appointed to the Medical Staff of the Midland Railway Company, Leicester Centre.

Vacancies.

In compliance with the desire of numerous subscribers, it has been decided to resume the publication under this head of brief particulars of the various Vacancies which are announced in our advertising columns. For further information regarding each vacancy reference should be made to the advertisement.

- CARLISLE COUNTY ASYLUM.—Junior Medical Assistant. Age under twenty-six. Salary £80, with board; no wine or beer.
- GREAT NORTHERN CENTRAL HOSPITAL, Caledonian-road, N. — Two Clinical Assistants.
- HOSPITAL FOR CONSUMPTION AND DISEASES OF THE CHEST, Brompton.—Resident Clinical Assistants.
- HOSPITAL FOR EPILEPSY AND PARALYSIS, Regent's-park. — Assistant Physician.
- HULL AND SCULCOATES DISPENSARY.—House-Surgeon. Salary £150 per annum, with house (unfurnished), coals, and gas.
- LANCASHIRE COUNTY ASYLUM, Rainhill, near Liverpool.—Assistant Medical Officer. Salary commences at £100 a year, with apartments and board.
- NATIONAL ORTHOPÆDIC HOSPITAL FOR THE DEFORMED, Great Portland-street.—Surgical Registrar and Anæsthetist. An annual honorarium of £20 is attached to the office.
- NORTH RIDING INFIRMARY, Middlesborough-on-Tees.—House-Surgeon. Salary £100 a year, with bed, board, washing, and £5 per annum in lieu of beer.
- ROYAL BERKS HOSPITAL, Reading.—Assistant House-Surgeon. Qualification not essential. Board and lodging, but no salary.
- SANITARY ASSURANCE ASSOCIATION.—Chief Medical Officer.

Births, Marriages, and Deaths.

BIRTHS.

- HERMAN.—On the 19th inst., the wife of G. Ernest Herman, M.B., F.R.C.P., of Harley-street, Cavendish-square, W., of a son.
- HUXLEY.—On the 17th inst., at Higher-terrace, Torquay, the wife of J. Usher Huxley, M.D., of a daughter.
- JONES.—On the 12th inst., at Llanfyllin, Montgomeryshire, the wife of F. Felix Jones, M.R.C.S. &c., of a daughter.
- MACQUEEN.—On the 16th inst., at Eastbourne, the wife of Thomas MacQueen, M.B., C.M., of a son.
- MAURICE.—On the 15th inst., at Terrace House, Marlborough, the wife of J. Blake Maurice, M.D., F.R.C.S., of a son.

MARRIAGES.

- GRIFFITHS — COLLING. — On the 15th inst., at St. Michael's, Great Torrington, Surgeon Gilbert Saunders Griffiths, 32nd Punjab Pioneers, to Katherine Celestina, second daughter of the late H. R. Colling, Esq., of Oakehampton, Devon.
- HODGE—GEDYE.—On the 14th inst., at the Wesleyan Chapel, Cotham, Bristol, the Rev. Sydney Rupert Hodge, M.R.C.S., L.R.C.P., to Ann Elizabeth, eldest daughter of Francis W. Gedye, of Ashley Grange, Bristol.
- LEEDS—EDWARDS.—On the 15th inst., at St. Andrew's, Holborn, Thos. Leeds, M.R.C.S., to Fannie, daughter of Joseph Edwards, of Burton-on-Trent.
- REID—HORNE.—On the 5th inst., at the Parish Church, Kirkcudbright, William Swanston Spence Reid, M.B., C.M., to Agnes Darling, daughter of the late James Darling Horne.
- RISK — LANGSTON-FADDY. — On the 13th ult., at St. Luke's Church, Jullundur, Punjab, Surgeon E. J. Erskine Risk, A.M. Staff, to Elsie Mary, youngest daughter of Major Langston-Faddy, Ret. List, Bengal Army.
- STANWELL — SHARPE. — On the 12th inst., at St. Mary's, Rochdale, William Stanwell, M.R.C.S., to Mabel Frances, eldest daughter of the late Alex. Barclay Sharpe, M.D., F.R.C.S., of Norwood, Surrey.
- WARNER—GROVE.—On Wednesday, the 19th inst., at St. Peter's, Eaton-square, by the Rev. R. E. Warner, M.A., cousin of the bridegroom, assisted by the Rev. A. Boyd, M.A., Frederick Ashton Warner, L.R.C.P., M.R.C.S., L.S.A. Lond., only surviving son of Frederick Warner, Barrister-at-law, of Woodford House, Trinidad, W.I., to Sydney Anne Grove, daughter of the late Christopher Grove, of Hertfordshire House, Bucks.

DEATHS.

- ANGIER.—On the 16th inst., at his residence, The Highlands, College-road, Upper Norwood, James Hague Angier, M.R.C.S., L.S.A., in his 84th year.
- ANDREW.—On the 10th inst., at his residence, St. John's Hill, Shrewsbury, Edwyn Andrew, M.D., aged 55.
- HOLLIS.—On the 17th inst., at Deacons, Yarmouth, Isle of Wight, Charles Wise Hollis, M.D. Univ. Edin., in his 71st year.
- NOTE.—On the 17th inst., at Russell-road, Kensington, Hamlin Nott, M.R.C.S., L.R.C.P. Ed., Surgeon-Major, Retired List, H.M.'s Indian Forces.
- SNAPE.—On the 13th inst., at Chorley New-road, Bolton-le-Moors, Richard Forth Snape, F.R.C.S. Eng., aged 65.

N.B.—A fee of 5s. is charged for the Insertion of Notices of Births, Marriages, and Deaths.