

candidate at or after the end of the fourth year may present himself in any one of the Divisions (a), (b), or (c), provided he has completed his curriculum as far as concerns the division in which he presents himself.

Fees.—Preliminary Examination, £2 2s., except in the case of matriculated pupils of the Royal College of Surgeons, who pay £1 1s.; re-examination, £1 1s. First Professional Examination, £15 15s.; Second, £10 10s.; Third, £9 9s.; Final, £6 6s.; Re-examination fee is £2 2s. for each division.

Further information can be obtained from the Secretary of the Committee of Management, 6, Kildare Street, Dublin.

ROYAL COLLEGE OF PHYSICIANS OF IRELAND.

THOSE whose names already appear on the *Medical Register* can obtain the separate Licence in Medicine of this College, and its Licence in Midwifery. In either case an examination has to be passed in the subjects indicated, questions on midwifery, hygiene, and jurisprudence being included in the examination for the Licence in Medicine. For the Licence in Midwifery practitioners of over five years' standing are exempted from examination by printed questions. The other grades of the college are Members and Fellows. The former are admitted after an examination which is open to all university graduates in medicine and licentiates in medicine of Royal Colleges of Physicians, and deals with the general subjects of medicine. Fellows are selected, by vote, from among the Members.

Fees.—For the Licence in Medicine, 15 guineas; for the Licence in Midwifery, 5 guineas; or 16 guineas for both if they are taken within an interval of a month. Special examinations cost in each case 5 guineas extra. For the Membership, 20 guineas to a Licentiate of the College; 35 guineas to others; a special examination costing 5 guineas extra. The Fellowship £35, in addition to stamp duty £25. Information as to special examinations and other points can be obtained from the Registrar, the Royal College of Physicians, Kildare Street, Dublin.

ROYAL COLLEGE OF SURGEONS IN IRELAND.

THIS body, besides its Licence in Surgery, grants a diploma in midwifery, and under certain conditions admits those possessed of registrable surgical qualifications to its Fellowship. Its licence is usually granted conjointly with that of the College of Physicians, but it is given separately to holders of a registrable qualification, provided that the College is satisfied that adequate courses of study have been pursued and that its own examination is passed. Similar conditions attach to the diploma in midwifery.

The Fellowship.—Candidates for admission as Fellows must lodge a petition supported by evidence as to study and testimonials as to character. Should these be approved, the candidate is permitted to attend for examination. If he is a Licentiate or Graduate in Surgery of less than ten years' standing he has to pass two examinations, one covering Anatomy, Physiology, and Histology, and the other Surgery (Systematic, Clinical, and Operative) and Surgical Pathology. Candidates of over ten years' standing pass at present one examination only, its subjects being the same as the ordinary second Fellowship Examination, with the addition of Surgical Anatomy. The Primary Fellowship can be passed at the end of the third winter of the ordinary curriculum.

Fees.—The Licence Examination, £26 5s., £5 5s. being retained if the candidate does not pass; for a Special Examination, £31 10s. For the Midwifery Examination, £15 15s., of which £5 5s. is retained if the candidate does not pass. For the Fellowships, those already Licentiates pay £15 15s. for the Primary Examination, £10 10s. for the Final. Licentiates in Surgery of other bodies: Primary, 25 guineas; Final, 15 guineas. Those who enter as students pay £5 5s. for Primary Examination, 20 guineas for the Final. Licentiates of the College of over ten years' standing pay 25 guineas, and others 40 guineas. A Special Examination costs 10 guineas extra. In case of rejection, 10 guineas in addition to the special fee, if such has been paid, are retained. Other information can be obtained from the Registrar of the College, Stephen's Green West, Dublin.

APOTHECARIES' HALL OF IRELAND.

A DIPLOMA is granted by this Hall which entitles the holder to be registered as a practitioner of Medicine, Surgery, and Midwifery, and confers also the privileges of an Apothecary. Candidates must tender evidence of having complied with the requirements of the General Medical Council as regards preliminary and professional education, certificates in respect of such studies being accepted from all recognized authorities. Two periods of Dissection, each not less than six months, must be included, and twenty-seven months of Hospital attendance, or its equivalent. Four professional examinations have to be passed; they are held quarterly. The first examination deals with Biology, Physics, and Chemistry, Practical and Theoretical; the second examination is in Practical Anatomy and *Materia Medica* and Therapeutics, Physiology, and Histology; the third, Pathology, Pharmacy, Forensic Medicine, and Hygiene. A candidate who has passed tests in any of the subjects of these examinations before another Licensing Body is exempt from further examination in such subjects. The final examination deals with Medicine, Surgery, Ophthalmology, Midwifery, and Gynaecology. The Hall's own examination in all these subjects must be passed, except in the case of candidates who have already been admitted to the *Register*. These are only examined in subjects not covered by their previous qualification. Women candidates are eligible.

Fees.—For each of the first three examinations, £5 5s.; for the final, £6 6s. If the third and final, or final alone, are passed before the Hall, the other examinations having been passed elsewhere, the fee is £15 15s. Application for other information should be made to the Registrar, 40, Mary Street, Dublin.

NOTES ON MEDICAL SCHOOLS AND COLLEGES.

LONDON.

As has already been pointed out, the student who selects a London medical school has three courses open to him, and it is very important that what this means should be clearly understood at the very outset, as a mistake may be the source of lifelong regret.

1. The natural course would seem to be to take the medical degree of the University of London. All the medical schools in London are now constituent colleges of that university, University and King's Colleges in all faculties, and the other medical schools in the medical faculty, and all undertake to prepare students for its medical degrees. Unfortunately the university has not yet taken down the antiquated barbed-wire fence called the Matriculation Examination. Unless the would-be student has cut his way through this on leaving school, he must look elsewhere for a degree. If he has got through this obstruction there ought to be no more difficulty in going on to a degree than in taking the third course. There is, however, another examination to be passed before entering on medical studies proper; this is the Preliminary Scientific, which has its equivalent in the two other courses. The examination at the University of London is held in two parts, and it should be noted that the student may prepare for it at any one of a long list of schools and colleges scattered over the length and breadth of the United Kingdom, and, indeed, of the Empire. There are many advantages about this course if the student has once started on the road.

2. If he have not and if he desire to take a university degree, he should study the regulations of the Universities of Oxford and Cambridge (pp. 640 and 641). By joining one or the other he will be in the way to obtain an admirable education in the earlier subjects of the medical curriculum, while looking forward to enjoying the great opportunities which the London hospitals are able to provide in the matter of clinical instruction and practical training in medicine, surgery, and obstetrics. He will find his road very plainly marked. He will spend three years at the university in the study of chemistry, biology, anatomy, and physiology, and when that stage is passed will find any medical school in London ready to receive him with open arms, and even offering him inducements in the

shape of scholarships. There are many advantages in this second course also.

3. The student may make up his mind not to seek a university degree, in which case he will enter at any one of the medical schools as a full student and end by taking the diploma of the Royal Colleges of Physicians and Surgeons, granted after a series of examinations conducted by the Conjoint Board of the Colleges (p. 646) or the Licence in Medicine or Surgery granted by the Society of Apothecaries of London (p. 647). If the would-be student is going to enter the Royal Navy Medical Service, the Royal Army Medical Corps, or the Indian Medical Service, he cannot do better than follow this course, inasmuch as a university degree will be no particular advantage to him in these services, and to have entered as young as possible will often make a great deal of difference, preventing him from being counted out on a small pension under the age rules. Again, if he is quite sure that he is going to be a great operating surgeon, he may follow this third course, at the same time making sure of passing the first examination for the Fellowship of the Royal College of Surgeons of England. If he does not he is dishied; and accidents will happen even to the diligent and conscientious. We apprehend that the only sound general advice that can be given to a young man who contemplates entering the medical profession by way of London is to lay himself out to take a degree at one of the three universities mentioned.

CHOICE OF A SCHOOL.

Little guidance can be given in these columns as to choice of one school rather than another, for such choice must depend largely on personal factors. In a general way, however, it may be said that while to the student of to-day it may, perhaps, be almost a matter of indifference to what school he belongs, there is often in after-life a certain advantage in having been an alumnus at one of the more celebrated schools. On the other hand, there are, perhaps, more opportunities in some respects, especially for obtaining the coveted posts of house-physician and house-surgeon, at the smaller schools.

Information as to the fees at the different schools and the scholarships, prizes, and junior appointments which they offer will be found in the following pages, and should be carefully studied by those who have no personal reason for preferring one to the other. The courses which they provide are fundamentally the same, and in all of them the arrangements made are such as to meet the requirements of students of every class—of those who are aiming at the diplomas of the Conjoint Board or the Apothecaries' Society not less than of those who have London or other university degrees in view. At all, too, as has been said, special facilities are offered to men who have commenced their professional education at the older universities, Oxford and Cambridge. Apart from these facts, the only point to which attention can usefully be directed is that on personal inquiry and investigation reason may perhaps be found for regarding the teaching accommodation and general arrangements for students at some schools as superior to those at others.

ST. BARTHOLOMEW'S.

THIS institution fills one side of Smithfield and Giltspur Street, sharing with the Post Office buildings a large island of ground separated practically from all other buildings; it is on the edge of the City, and easily reached from all parts of London. The hospital contains 744 beds, the whole structure being in process of slow rebuilding. Some new buildings opened not long ago by the Prince of Wales occupy part of the ground acquired from the old Bluecoat School, and these materially enhance the attractions of the place as one of medical study. The library and the physical science and bacteriological laboratories have now at their side a very large building which includes club rooms for the Students' Union, a writing room, and luncheon and dining halls, new quarters for the resident staff, and an out-patient department and accommodation for special departments of such large size as to be unsurpassed by any hospital in the kingdom. During the past twelve months a second block of new buildings has been completed. These will form the Pathological Department, and include large and well-equipped laboratories for clinical pathology, pathological histology, bacteriology, and chemical pathology, altogether

forming one of the most complete pathological departments in the country. Within the precincts of the hospital also there is a residential college for a large number of students. The Students' Union owns, moreover, grounds of some 10 acres in extent for recreative purposes at Winchmore Hill, which is easily accessible from the hospital.

Special classes are held for students preparing for the Preliminary Scientific and other Examinations for the M.B., M.D. of the Universities of London, Oxford, and Cambridge, and for the higher surgical degrees at the same universities, including the M.S.Lond., First and Second F.R.C.S., M.Ch.Oxon., and M.C.Cantab. Special laboratory instruction for the D.P.H. of Cambridge, Oxford, Durham, and London, is also given.

Appointments.—Clinical Clerks to the Physicians and to the Physician-Accoucheur, and dressers to the Surgeons and in the Casualty Department are chosen from the Students; Clerks and Dressers are also selected from the students to attend in the out-patient rooms, in the special departments (Ophthalmic, Orthopaedic, Gynaecological, Laryngological, Aural, Dermatological, Electrical, and Dental) and in the *post-mortem* room. Chief Assistants and Clinical Assistants are selected from qualified men and appointed yearly to help in the special departments just named. Ten House-Physicians and ten House-Surgeons are appointed annually. During their first six months of office they act as "Junior" House-Physicians and House-Surgeons, and receive a salary of £25 a year. During their second six months they become "Senior" House-Physicians and House-Surgeons, and are provided with rooms by the hospital authorities, and receive a salary of £80 a year. A resident Midwifery Assistant, an Ophthalmic House-Surgeon, and a House-Surgeon for diseases of the throat, nose, and ear are appointed every six months, and are provided with rooms and receive a salary of £80 a year. Two Assistant Anaesthetists are appointed annually, and receive salaries of £120 and £100 a year respectively. An Extern Midwifery Assistant is appointed every three months, and receives a salary of £80 a year.

Scholarships.—Five Entrance Scholarships will be awarded after an Examination to be held on September 23rd, 1908, and following days. The subjects of examination and conditions of eligibility for these Scholarships are: (1) Two Scholarships, value £75 each, in not fewer than two nor more than three of the following subjects—Chemistry, Physics, Botany, Zoology, Physiology, and Anatomy, limited to students under 25 years of age who have not entered on the medical or surgical practice of any London medical school. (2) One Scholarship, value £150, in not fewer than three of the following subjects—Chemistry, Physics, Botany, Zoology, and Physiology, limited to students under 21 years of age who have not entered on the medical or surgical practice of any London medical school. (3) The Entrance Scholarship in Arts of the value of £100 will be given in Latin and Mathematics, with one other language. (4) The Jeaffreson Exhibition in Mathematics, Latin, and one other language—Greek, French, or German—and of the value of £50. The value of the Scholarships and Prizes is nearly £900 annually.

Further information and a prospectus can be obtained on application to the Dean of the Medical School, St. Bartholomew's Hospital.

CHARING CROSS.

THIS school, with its hospital, is situated in the very centre of London, and easily accessible from all parts. It is within three minutes' walk of the Royal Dental Hospital of London, and gives instruction in all subjects of the medical and dental curriculum. The Lectures are given at hours to suit both General and Dental Students. The Hospital, with its Convalescent Home at Limpsfield, contains 287 beds. Over 2,000 cases pass through its wards each year, and some 22,000 out-patients and casualties are treated. There are Special Departments for Mental Diseases, Midwifery, Diseases of Women, of Children, of the Skin, Eye, Ear, Throat, Nose, and Teeth, for Orthopaedic Cases, X-Ray work, and for Electrical Examination and Treatment. Biological and Physics Laboratories have been established in the school, and the Pathological Laboratory has been considerably enlarged.

Appointments.—In the Medical School Demonstratorships and Assistant Demonstratorships (when they fall vacant) are open to students of the school and carry honoraria. The Curator and Pathologist is appointed annually, and receives £100 a year. Medical, Surgical,

and Obstetric Registrars to the Hospital are appointed annually, the two former of whom receive £40 a year each, with luncheon in the Hospital. Six House-Physicians, six House-Surgeons, and two Resident Obstetrical Officers are appointed each year on the recommendation of the Medical Committee, after competitive examination. They are provided with board and residence in the Hospital. Assistants to the Roentgen-ray and to the Electrical Departments are appointed every six months. They receive an honorarium of 12 guineas, with luncheon at the Hospital. Clinical Clerks and Dressers are appointed in all the general and special departments of the Hospital. Arrangements can be made for students who have not entered for the entire medical curriculum to hold the posts of Clerk and Dresser. Every student holds in turn the appointment of Pathological Assistant, and assists at the necropsies. The above appointments are open without any additional fee.

Scholarships.—There are five Entrance Scholarships, of the respective value of 75, 50, 30, 20, and 30 guineas. The first, third, and fourth are open to all candidates ready to join the school for the whole curriculum; the second is reserved for the sons of medical men, and the fifth for Dental students. They are awarded at the beginning of each Winter Session after a competitive examination in (1) English, including English Language and Literature, English History with alternative questions on the History of the British Empire, and Geography, including elementary questions in Physical Geography; (2) Latin, and any one of the following three languages—Greek, French, and German; (3) Mathematics, including Arithmetic, Algebra, and Geometry, with Mechanics, including Statics and Dynamics; (4) Inorganic Chemistry and any three of the following branches of Experimental Physics, Acoustics, Heat, Magnetism, Electricity, and Optics; and (5) Animal and Vegetable Biology. A Candidate may offer himself for examination in not more than three of the above groups of subjects, but group (1) must be one of the three. Each group is worth 1,000 marks. Students who join in the Summer Session have the same privileges as regards scholarships, medals, and prizes as those who join in October of the same year. Candidates must be under 25 years of age on the first day of the examination, and must give notice to the Librarian of their intention to compete and of the groups in which they offer themselves for examination before 10 a.m. September 19th, 1908. The examination commences the following Monday, September 21st, at 9 a.m., and continues the two following days.

One Epsom Scholarship, giving a free education, is, each Winter Session, placed at the disposal of the Head Master of Epsom College, to be competed for by foundation scholars who have passed the Preliminary Scientific M.B. Examination in the University of London. Failing this, a scholarship of 60 guineas is awarded to a non-foundation scholar who has already passed this examination.

Two University Scholarships, of the value of 50 guineas and 40 guineas respectively, are open to students from the University of Oxford who have passed the first M.B. Examination, to students of the University of Cambridge who have passed the second M.B. Examination, and to students of the University of London who have passed the Intermediate Examination in Medicine, and who have not entered at any London Medical School. Subjects: Anatomy and Physiology, including Histology. The examination for these Scholarships, which will be partly practical, will be held at the school on September 21st and 22nd. Candidates must give notice to the Librarian of their intention to compete on or before Saturday (at 10 a.m.), September 19th, 1908. The successful candidates will be required to enter forthwith at the Hospital for the completion of their curriculum.

Fees.—These may be paid in one sum as a composition fee of 115 guineas for general students, 55 guineas for dental students, and 74 guineas for university students, or for general students by sessional payments of 15 guineas every Winter Session and 10 guineas every Summer Session as long as the student remains in the school, with an entrance fee of 10 guineas; and for dental students 31 guineas on entry and 30 guineas at the end of the first twelve months.

Further information may be had of the Dean, Charing Cross Hospital Medical School, Chandos Street, Strand, London, W.C.

ST. GEORGE'S.

This school is at Hyde Park Corner, and carried on in connexion with St. George's Hospital, an institution with 348 beds. It provides for the instruction of its students in the preliminary and intermediate subjects of the curriculum at the teaching centres of London University established at King's College and University College. The school at Hyde Park Corner is devoted entirely to the teaching of clinical subjects, great attention being paid by the members of the staff to individual teaching. A

number of special courses are given, in which the requirements of university and all other examinations receive careful attention, and special classes are held for all examinations.

The school possesses an Amalgamation Club, with smoking and luncheon rooms, on the hospital premises. Students have the advantage of a well-filled library of medical and scientific books, which is kept up to date. A register of accredited apartments, and a list of medical men and others willing to receive St. George's men as boarders, may be seen on application to the Dean.

Appointments.—Dresserships to the Surgeons and Clinical Clerkships to the Physicians are open without fee to all students of the Hospital. There are a large number of House Office Appointments, which may be held for six, twelve, or eighteen months, and are open without fee to every perpetual student of the Hospital, and are made strictly in accordance with the merits of the candidates. Besides this, after the student has held House Office, the following paid appointments are, amongst others, open to him: Medical Registrarship at £200 per annum; Surgical Registrarship at £200 per annum; Curatorship of the Museum at £200 per annum; Assistant Curatorship at £100 per annum; Obstetric Assistantship, Resident, at £50 per annum; the post of Resident Anaesthetist at £100 per annum; the post of Senior Anaesthetist at £50 per annum; the posts (2) of Junior Anaesthetists, each at £30 per annum.

Scholarships.—Two Entrance Scholarships in Arts, and 2 in Science, each of the value of 50 guineas, and 2 University Entrance Scholarships in Anatomy and Physiology (70 guineas and £50) are awarded at the commencement of each Winter Session. The William Brown Exhibition of the value of £100 per annum (tenable for two years) is awarded by examination to a perpetual pupil of the Hospital every second year. The William Brown Exhibition of £40 (tenable for three years) is awarded by examination to a perpetual pupil of the Hospital every third year. Other prizes to the value of £200 are awarded annually to the students of the Hospital.

Fees.—First year (Preliminary Science or First Conjoint) £26 5s., or £21, according to course. Second and third years, £63 in two equal instalments. For the course of clinical study, in the fourth and subsequent years, entrance fee, £10 10s.; annual composition fee, £31 10s.

Further information may be obtained from the Dean of the Medical School.

GUY'S.

THE Hospital contains 608 beds in constant occupation; an additional 50 beds have been opened on the medical side of the Hospital. Thirty-one beds are set apart for diseases of the eye, and 40 for the most urgent and interesting medical cases, which form the subjects of the weekly clinical lectures. There is a special ward of 32 beds for the reception of cases of diseases of women and for cases of difficult labour. Beds are also allotted to the Throat and Ear Departments, and it is proposed shortly to institute a Department for the Treatment of Diseases of the Genito-urinary System.

It has a College fronting the east gate of the Hospital, providing accommodation for 60 resident students. This contains a dining hall, reading rooms, library of general literature, and gymnasium for the use of the residents and of the members of the Clubs' Union. The athletic ground at Honor Oak Park is reached from the Hospital in twenty minutes.

The new Gordon Museum of Pathology, the Wills Library, and the school buildings in general afford unrivalled opportunities for a liberal education and for research.

Special classes are held for the Preliminary Scientific and Intermediate M.B. Examinations of the University of London and for the first F.R.C.S.Eng.

Special teaching is provided to meet the requirements of the Universities of London, Oxford, and Cambridge in General Pathology and Pharmacology.

Appointments.—All appointments are given to students without extra payment, and according to the merits of the candidates, as determined by a committee of the medical staff. Eight Assistant House-Physicians, 8 House-Physicians, 24 Assistant House-Surgeons, 8 House-Surgeons, and 2 Ophthalmic House-Surgeons are appointed annually. The House-Physicians and House-Surgeons hold office for six months each, and receive free board and lodging in

the college, as also do the Resident Obstetric Assistants, of whom 8 are appointed annually, each holding office for six months. Every student is provided with rooms and commons in the hospital during the period of his "take in" as Dresser. In addition to the Clerkships and Dresserships in the medical and surgical wards, students are appointed to the posts of clinical assistant, dresser, or clerk in the special departments of ophthalmology, laryngology, gynaecology, dermatology, otology, electricity, anaesthetics, and dentistry. More than 150 additional appointments have been added to the list of those annually open to students of the hospital, the majority of them being in the special departments.

Scholarships, Prizes, etc.—There are two Entrance Scholarships in Arts: One of the value of £100 open to candidates under 20 years of age, and one of £50 open to candidates under 25. Subjects: English, Latin, Arithmetic, Algebra, Euclid, and either Greek, French, or German. Three Open Scholarships in Science: One of £150 and one of £60, open to candidates under 25, and one of £50 to university students who have completed their study of Anatomy and Physiology. Subjects: Anatomy, Physiology, Chemistry, Practical Chemistry, Biology, and Physics. These examinations begin on September 23rd; names must be sent in on or before September 14th. Junior prizes for general efficiency, £20, £15, £10; Hilton prize for Dissection, £5; Michael Harris prize for Anatomy, 10; Sands Cox Scholarship for Physiology, £15 for three years; Woodbridge Memorial prize for Physiology, £10; Beany prize for Pathology, £34; Treasurer's gold medal in Medicine, Treasurer's gold medal in Surgery, and the Golding-Bird gold medal and scholarship for Bacteriology (£20) are awarded annually after competitive examination. The Gull Studentship in Pathology and the Beany Scholarship in Materia Medica, of the annual value of £150 and £31 10s. respectively, are awarded without examination to enable research to be carried on in these subjects. An Arthur Durham Travelling Scholarship of £100 is awarded triennially.

Fees.—There is a system by which composition fees are paid, information as to which should be sought from the Dean of the School.

KING'S COLLEGE.

THE curriculum at King's College Medical School is now divided into two parts: (1) For Preliminary and Intermediate subjects of study; (2) Advanced or Final studies. The subjects under the first head are taught in the classrooms and laboratories at King's College; those under the second at its hospital.

There are special classes for the primary and final examinations of the Royal College of Surgeons.

A special class for the Matriculation Examination will commence on September 28th. Classes for the science subjects are held by the Professors of the Science Faculty of King's College, and students avail themselves of their laboratories.

All students are entitled to the full privileges of the athletic club, which manages the large recreation ground of the college at Wormwood Scrubs.

The Hospital contains 220 beds in daily use.

Appointments.—Resident Medical Officers, Clerks, and Dressers are chosen from the students, and the former have rooms and commons free. Two Sambrooke Registrarships, Medicine and Surgery, of the annual value of £50 each, are open to students who have held resident posts in the hospital. There are also Senior Medical, Surgical, and Gynaecological tutors. Clinical assistants are appointed in the Ophthalmic, Ear, Throat, Skin, and Dental Departments.

Scholarships.—The Entrance Scholarships are: 1. Two Warneford Scholarships, each £100 value; subjects—Mathematics, Classics, Divinity. 2. One Sambrooke Exhibition of £100, open; subjects of examination—Mathematics, Elementary Physics, Inorganic Chemistry, Botany, and Biology. 3. Rabbeth Scholarship, value £20, in July, for best evidence of early scientific training. 4. Two Scientific Exhibitions, open, given annually, in October, by the Clothworkers' Company, value £60 and £40, for proficiency in any four of the following subjects: Mathematics, Mechanics, Physics, Chemistry, Botany, Geology, Mineralogy, and Zoology, will be open to all candidates who are under the age of 19. 5. Medical Entrance Scholarship, of £50, instituted for students who propose to take their degree at Oxford, Cambridge, or other British university, having already passed the examination of that university in Biology, Chemistry, and Physics. During the curriculum Scholarships and Prizes of the value of £300 are open to students.

Fees.—The fees for the two parts mentioned are paid separately. Information as to the first should be sought from the Dean of the Medical Division of the Faculty of Science at the College; and as to the second, of advanced

studies, from the Dean of the Hospital. They attend daily, except Saturday, for the purpose of receiving students and their friends.

For conditions of scholarships and subjects of examinations apply to the Deans, or the Secretary, King's College, who will send a full prospectus post free. Examinations commence September 22nd.

THE LONDON.

THIS hospital (which contains 922 beds) and its Medical College are in Mile End Road, Whitechapel. All the arrangements are very complete and modern. The new departments of Bacteriology, Public Health, Chemistry, and Biology, the new Pathological Institute at the Hospital, and new Out-patient and Special Departments have been added within the last few years. New Students' Rooms have been added, and a Garden and Fives Court opened for the use of the members of the London Hospital Clubs Union. A special course for the D.P.H. will commence at the beginning of the Winter Session. Special classes for the Preliminary Scientific and Intermediate M.B.Lond., the Primary and Final Fellowship, and other examinations are held. Those for the Final and Primary F.R.C.S. commence early in September.

Appointments.—The salaried appointments open to students are those of Medical Registrars (3), Surgical Registrars (3), Medical, Surgical, and Obstetric Tutors; Senior Dressers to Out-patients; Clinical Assistants in the Medical, Surgical, Ophthalmic, Aural, Light and Skin, Orthopaedic, and Electrical Departments. There are also 5 Resident House-Physicians and 7 Resident House-Surgeons, 2 Accoucheurs, 6 Receiving-room Officers, 2 Emergency Officers, 1 Assistant Director of the Pathological Institute, and 3 Pathological Assistants. Also paid and unpaid Clinical Assistants in the various special departments. In addition there are numerous Assistantships and Clerkships, and Dresserships in the various departments.

Scholarships and Prizes.—The following is a list of Scholarships and Prizes: *At Entrance:* Price Scholarships in Science, £120; in Anatomy and Physiology, £60; Entrance Scholarships in Science, £60 and £35; Epsom Scholarship, £126; Buxton Scholarships in Arts, £30 and £20. *After Entrance:* Anatomy and Biology Scholarships, £20; Anatomy and Physiology Scholarship, £25; Letheby Prizes, £30; Scholarships in Clinical Medicine, Surgery, and Obstetrics, £20 each; Duckworth Nelson Prize, £10; Hutchinson Prize, £40; Sutton Prize, £20; Sir Andrew Clark Prize, £26; Anderson Prizes, £9; Out-patient Dressers' Prizes, £60; Practical Anatomy Prizes, £10; Douro Hoare Prize, £5; Wynne Baxter Prize, £5 5s.

Fees.—The composition is 120 guineas. A reduction of 15 guineas is made to sons of medical men.

Other information may be obtained from the Warden, Mr. Munro Scott, at the London Hospital Medical College, Mile End, E.

ST. MARY'S.

THIS school and its hospital is situated in Praed Street, in the neighbourhood of the residential districts of Paddington, Bayswater, and North Kensington, and is thus especially convenient to students who wish to reside in the immediate vicinity. A register of approved lodgings is kept in the office of the Medical School.

The Athletic Ground (eight acres) is situated at North Kensington, and is easy of access from the Hospital.

The Hospital at present contains 281 beds, and provision for some 60 additional ones has been made in the New Wing. These will be used as funds permit. This Wing also contains the Department for Therapeutic Inoculation, which consists of a large block of consulting rooms, waiting rooms, and laboratories under the direction of Sir Almroth Wright, F.R.S.

The Out-Patient Department, situated on the ground floor, has been in use for some years, and an additional operating theatre has recently been opened.

The Physiological Department comprises a Lecture Room specially constructed for practical demonstrations, and a series of five laboratories for practical classes and research, including a photomicrographic department.

In addition to systematic courses of Lectures and Demonstrations, special tuition is provided for the Intermediate and Final Examinations of the Universities of Oxford, Cambridge, and London, and for the Primary and

Final F.R.C.S. A complete course of instruction in Chemistry, Physics, and Biology, recognized by the University of London as an approved course for Internal Students, is held throughout the year, and students may join in October, January, or April.

All clinical appointments in the Hospital are free to students of the Medical School, the term of office in each case being of four months' duration, and the Resident Medical Officers are chosen by competitive examination. Six House-Physicians, six House-Surgeons, four Obstetric Officers, and two Resident Anaesthetists are appointed each year, and receive board and residence in the Hospital.

Scholarships.—There are Entrance Scholarships in Natural Science. One of £145, one of £73 15s., two of £52 10s., and two of £63 (open to students of any British university) awarded annually by competitive examination in September.

Fees.—The composition fee for students is £140 if paid in one sum, or £145 if paid in four instalments. University students who have completed their examinations in Anatomy and Physiology are admitted on payment of a composition fee of 60 guineas (£63) paid in one sum, or 65 guineas (£68 5s.) if paid in two annual instalments. University students, prior to completing their examination in Anatomy and Physiology, pay an annual fee of 25 guineas (£26 5s.). Separate courses of Lectures, Laboratory Work, or Hospital Practice may be taken.

The School Calendar and full information can be obtained from the Secretary, St. Mary's Hospital Medical School, Paddington, W.

THE MIDDLESEX.

THIS school and its hospital are in Mortimer Street, W., and close to Oxford Street and Portland Place. It possesses a resident college for a limited number of students which overlooks the hospital garden. The hospital contains 340 beds. A wing containing 40 beds and special research laboratories is entirely devoted to patients suffering from cancer. It offers unrivalled opportunities for the study of this disease, both in its clinical and pathological aspects.

In addition to the arrangements for teaching ordinary students all subjects of the medical curriculum, a bacteriological and public health laboratory has been added for the purpose of providing instruction for women medical practitioners preparing for the examinations for the diploma in Public Health and for the M.D. in State Medicine of the University of London, and of affording facilities to them and other women students desirous of carrying out research work in Public Health, Bacteriology, and General Pathology.

Appointments, etc.—Eighteen Resident appointments are open annually to competition among pupils of the Hospital. The officers reside and board in the Residential College free of expense. There are two Casualty Medical and two Casualty Surgical Officers appointed annually. Six House-Surgeons are appointed every year at intervals of two months, after examination; the six House-Physicians are also appointed annually at similar intervals; they must have a legal qualification, or hold a Broderip Scholarship. An Obstetric House-Physician (qualified to practise) is appointed every six months. Non-resident Physicians' Assistants are appointed in the various out-patient departments. In the out-patient department the appointments are: Dresser to the Surgeons to Out-patients and to the Dental Surgeon, Clerk to the Physicians to Out-patients, Dresser to the Ophthalmic Surgeon, Clerk in the Department for Diseases of the Skin, Clerk in the Department for Diseases of Women, and Dresser to the Throat and Ear Department. There are also Extern Midwifery Clerks and *Post-mortem* Clerks. The appointments are so arranged that every student may during his course hold all the Out-patient and In-patient Clerkships and Dresserships. Each student must have held an out-patient clerkship and dressership before being eligible to hold in-patient clerkships or dresserships. No student can be appointed to any office until he has passed the Second Examination of the Examining Board in England or its equivalent. Clinical Assistants are appointed in the Children's, Ophthalmic, Skin, and Throat and Ear Departments.

Scholarships.—Three Entrance Scholarships, value £100, £50, and £25 respectively, are open to students commencing their

medical studies in May or October, 1908. An annual Entrance Scholarship, of the value of £50, is open to students of the Universities of Oxford and Cambridge who have completed the curriculum for, or passed the examinations in, Anatomy and Physiology. Subjects: Anatomy and Physiology, including Histology. The examination for these and the foregoing takes place on September 21st, 22nd, and 23rd. Application for admission must be made on or before September 12th. Students joining the school in the previous May are eligible. *The Freer Lucas Scholarship* is annually awarded on the nomination of the head master to a pupil of the Epsom College who has passed the Preliminary Scientific M.B. Examination.

Fees.—The composition fee is 145 guineas for London University students. For students who have passed the Preliminary Scientific (London University), 120 guineas. For students taking the Conjoint diploma, 135 guineas. For members of universities and others who have completed their anatomical and physiological studies, 70 guineas; dental students, 54 guineas.

Further information may be obtained on application to the Dean.

ST. THOMAS'S.

THIS school, and the hospital in connexion with which it works, is situated in Lambeth, the joint buildings on the Thames, facing the Houses of Parliament, and forming one of the well-known architectural features of London.

The School Buildings, which are separated from the Hospital by a quadrangle containing a lawn-tennis court for the use of the residents, comprise numerous theatres, laboratories, and class-rooms, and are well adapted for the modern teaching of large bodies of students in the subjects of the medical curriculum. A large library and reading room and a very complete museum are open to all students from 9 a.m. to 5 p.m.; Saturdays, 2 p.m. The club premises contain a dining room and smoking and reading room supplied with daily and illustrated weekly papers, and a gymnasium. A cloak-room with lockers, and a lavatory with bathrooms are in the main school building. Students are thus able to spend the whole day at school, all meals being obtainable at a moderate tariff, and they are further provided with facilities for exercise and recreation. A ground of more than nine acres in extent is provided at Chiswick. It can be reached in forty minutes from the hospital; it is admirably adapted for football, cricket, lawn tennis, and athletic sports. It is provided with a pavilion, where refreshments can be obtained.

The Hospital contains 605 beds, and in addition to the ordinary provisions of a great hospital has connected with its out-patient department two large well-ventilated Clinical Theatres provided with ample sitting accommodation, so that large numbers of students are enabled to follow closely the practice and teaching of the out-patient staff. There is another Clinical Theatre centrally situated, so as to facilitate the illustration of lectures by patients from the wards and out-patient rooms; it is arranged also for lantern demonstrations.

Appointments.—All Hospital appointments are open to students without charge. A Resident Assistant Physician and a Resident Assistant Surgeon are appointed annually at a salary of £100 each, with board and lodging. Two Hospital Registrars, at an annual salary of £100 each, are appointed yearly. The tenure of these offices may be renewed for a term not exceeding two years. Two Resident Casualty Officers are appointed half-yearly at a salary of £100 per annum. An Obstetric Tutor and Registrar is appointed each year at an annual salary of £50. Four House-Physicians, two House-Physicians to Out-Patients, four House-Surgeons, four House-Surgeons to Out-Patients, two Obstetric House-Physicians, two Ophthalmic House-Surgeons, and eight Clinical Assistants in the special departments are appointed every three months, and hold office for six months if recommended for re-election. Clinical Clerkships and Dresserships to the in-patient and out-patient departments are available to the number of 400 each year.

Scholarships.—There are three entrance Scholarships offered: One of £150 and one of £60, in Chemistry, Physics, and Biology, for students who have not received instruction in Anatomy or Physiology; one of £50 in any two of the following subjects: Anatomy, Physiology, or Chemistry, for students who have completed their examinations in Anatomy and Physiology, for a medical degree in any of the universities of the United Kingdom, and have not entered as students in any London medical school.

Numerous scholarships, prizes, and medals are open for competition throughout the whole career of a student, including a Fellowship of £100 given by the Salters' Company for research in Pharmacology, and the Louis Jenner Research Scholarship of the annual value of £60 for Pathological research.

Fees.—The entrance fee for First or Second Year's Students is 20 guineas; for Third Year's Students 10 guineas. The annual Composition Fee is 30 guineas. For Preliminary Scientific Students the fee is 16 guineas. Extra charges are made for materials required in practical courses. Special courses of instruction are given for various examinations, and a register of lodgings kept at the School. A list of medical practitioners, clergymen, and others who receive students is also available. Further information may be obtained from the Secretary of the School, St. Thomas's Hospital, Albert Embankment, S.E.

UNIVERSITY COLLEGE.

The school carried on in connexion with the North-West London Hospital, otherwise known as University College Hospital, is in immediate proximity to the hospital in Gower Street and opposite University College. Its work is carried on in a new building which has been recently erected for the purpose, and contains an ample supply of rooms for lectures and demonstrations in all the subjects which the school undertakes to teach. These are the final subjects of the medical curriculum as distinct from the preliminary sciences and anatomy and physiology, and instruction is given in such fashion as to meet the need of students, whatever the degree or diploma at which they are aiming. Though the school is primarily intended for those who have passed all the early examinations and are preparing for their final test, it is open to students to join the school who have still the whole of their medical studies before them. In this case the school provides for their education in the preliminary sciences and in anatomy and physiology at University College, where work in all these subjects is carried on, University College being now one of the common teaching centres in these subjects for the constituent schools of the Medical Faculty of the University of London. The school possesses a large library, and has set aside for its medical society four rooms for reading and recreation. There are also a gymnasium and at Perivale an athletic ground.

Scholarships.—The following scholarships and prizes are open to competition: Two *Entrance Exhibitions* of 80 guineas each, awarded after a competitive examination in anatomy and physiology; the *Atkinson Morley Scholarship* of £45 a year for two years, awarded after examination in the theory and practice of surgery; the *Atchison Scholarship* of £55 a year for two years; the *Filliter Exhibition* in pathology of £30; four *Fellowes Medals* in clinical surgery; the *Bruce Medal* in pathology and surgery; two *Tuke Medals* in pathology, and the *Erichsen Prize* for practical surgery of ten guineas.

Appointments.—All the appointments at the hospital are reserved for students of the school, the dresserships and clerkships being open, of course, to those who have still to qualify. The qualified appointments, in addition to a number of posts as House-Physicians and House-Surgeon and Obstetric Assistant, include appointments as Resident Medical Officer, as Surgical Registrar, as Obstetric Registrar, as Casualty Medical Officer, as Casualty Surgical Officer, and as Deputy Anaesthetists.

Fees.—The fee is 80 guineas if paid in one sum or 82 guineas if paid in two instalments.

Students who do their work in the preliminary sciences, and anatomy and physiology, at University College, and thence pass their examination before entering for their final studies at an ordinary medical school, pay 79 guineas for the work required for the examination in these subjects of the Conjoint Board and the Society of Apothecaries, and £83 for the courses required for the Preliminary Scientific and Intermediate Examination for the M.B., London University. These fees may be broken up into payments for different parts of the courses required, but do not cover tuition for more than a stated period. Among the scholarships and other rewards obtainable at University College a certain number are reserved for competition amongst students of the Medical Faculty.

These include the Bucknill Scholarship of 135 guineas in Chemistry, Physics, Botany, and Zoology. The successful student must complete his work in University College Hospital Medical School. There are also two Entrance Scholarships in

the same subjects, each of the value of 55 guineas. Also the Sharpey Physiological Scholarship for proficiency in Biological Sciences; its value is £105. Smaller rewards are the Schäfer Prize in Physiology, value £18, awarded triennially, and the Cluff Memorial Prize for proficiency in Anatomy, Physiology, and Chemistry, value £15, which is awarded biennially.

A register of boarding-houses suitable for students is kept at the medical school, but they are not under the control of the school authorities. Further information about the school may be obtained on application to the Dean of the Medical School, University Street, Gower Street, W.C.

WESTMINSTER.

This school with its hospital, situated in Broad Sanctuary, opposite Westminster Abbey, provides for the education of its students in the preliminary and intermediate subjects of the medical curriculum at the teaching centre of the University of London, established at King's College. The rest of the work is done in the school buildings near the hospital, which contains upwards of 200 beds, and affords most ample facilities for instruction in all branches of Medicine and Surgery.

Appointments.—A Medical and a Surgical Registrar are appointed annually, each with a salary of £50. Two House-Physicians, three House-Surgeons, one Assistant House-Physician, one Assistant House-Surgeon, and a Resident Obstetric Assistant are appointed after examination and are provided with rooms and commons, except the Assistant House-Physician and the Assistant House-Surgeon, who are provided with commons only. The Assistant House-Physician after three months' service becomes House-Physician for a further period of six months, and the Assistant House-Surgeon, after two months' service, becomes House-Surgeon for a further period of six months. Clinical Assistants to the Assistant Physicians and Assistant Surgeons, and to the officers in charge of special attendants, are appointed from among qualified students. Every student must perform the duties of Out-patient Dresser for four months, and afterwards hold the office of In-patient Dresser for four months. He is also required to serve two terms of four months each as Clinical Clerk to In-patient Physician. Two Pathological Clerks are appointed every four months to assist in the *Post-mortem* room. No student is eligible as an In-patient Dresser or Clinical Clerk until he has passed the Second Examination of the Conjoint Board, or an equivalent examination. Clerks and Dressers in the Special Departments of Hospital Practice are periodically appointed. So far as vacancies permit, students of other hospitals are admitted to In-patients' Dresserships or Clerkships.

Scholarships.—The following Scholarships are offered for competition during the year 1908-9: In September, 1908: Three Scholarships in Arts, £50, £40, and £30; Scholarship in Arts for Dental Students, £20; two University Scholarships in Anatomy and Physiology, 70 guineas and £60; two Natural Science Scholarships, £60 and £40; Free Presentation, open to pupils of Epsom Medical College. In April, 1909: two Scholarships in Arts, £60 and £40; one University Scholarship in Anatomy and Physiology, 70 guineas; two Natural Science Scholarships, £60 and £40.

Fees.—The composition fee is 120 guineas for the course required by the Conjoint Examining Board, and 130 guineas for that of the University of London. Special terms are given to the sons of medical men.

Further information can be obtained on application to the Dean at the Westminster Hospital Medical School, Caxton Street, Westminster, S.W.

LONDON SCHOOL OF MEDICINE FOR WOMEN.

This school is carried on in the Gray's Inn Road in connexion with the Royal Free Hospital, and it is, like all the other London schools which have so far been mentioned, one of the constituent schools of the medical faculty of London University. The whole school has in late years been entirely rebuilt and greatly enlarged. The laboratories are large and well-lighted, and are fully equipped for the Preliminary Scientific and Intermediate M.B. work required by the University of London. There are also a large Library and Common Room for the use of the students, and sets of chambers to accommodate seventeen students.

The Hospital has 165 beds, all of which are available for clinical instruction. There are also separate departments for Gynaecology and Obstetrics, and Diseases of the Eye, Ear, and Skin. Instruction is given in Anaesthetics, Bacteriology, etc., in addition to the ordinary Clinical Lectures and Demonstrations and Tutorial Classes. Students also attend the practice of one of the Fever Hospitals of the Metropolitan Asylums Board, and receive special instruction in Lunacy at one of the hospitals under the Asylums Board of the London County Council; they are also admitted to the practice of a number of special hospitals.

The work of the School includes preparation for the M.B.Lond. and the degrees of the Royal University of Ireland and the diplomas of the Conjoint Boards of Scotland and Ireland, and the Society of Apothecaries, London; also for the greater part of the course required by the University of Durham and the other Universities of England which admit women to their degrees, and the University of Glasgow. Special classes are held in preparation for the Preliminary Scientific examinations of the Universities of London and Durham.

Appointments.—Qualified students of the school have thrown open to them appointments as House-Physician and Surgeon, Surgical and Medical Registrars, Anaesthetists, Medical Electrician, Radiographer, Curators of the School and Hospital Museums, and Clinical Assistants and Demonstrators in various subjects.

Scholarships.—An Entrance Scholarship value £30, and the St. Dunstan's Medical Exhibition value £60 a year for three years, extensible to five years, are offered for competition at the end of September in each year. The Bostock Scholarship, value £60 a year for two or four years, is awarded by the Reid Trustees on the result of an examination held in May by the University of London. The holder of the Scholarship must enter the London School of Medicine for Women. The John Byron Bursary of £20 a year for two years, the Helen Prideaux Prize of £40, the Mabel Webb Research Scholarship of £30 for two years, the Fanny Butler Scholarship of £14 10s. a year for four years, together with many other scholarships and prizes, are offered on sundry conditions. Various Missionary Societies also offer scholarships on certain conditions, and assist ladies who wish to go to India as medical missionaries.

Fees.—University of London, Preliminary Science Course, £25; course for Intermediate and Final M.B., £135; course after Intermediate M.B., £86. Composition Fee for course of study for other qualifications, £140.

Full particulars as to Curriculum and Scholarships can be obtained from the Secretary, Miss Douie, M.B., 8, Hunter Street, W.C.

COOKE'S SCHOOL.

This school is prepared to admit to its supplementary work all who may wish to join the same, but in regard to its curriculum work it does not receive more than half a dozen students in the course of the year; these have special advantages both as regards anatomy and physiology. The fees, we are informed, are but slightly in excess of current charges.

The operations of surgery are performed on the dead body. Such courses are recognized for army promotion, for the Indian Medical Service, etc.

The School, which is open all the year round, possesses a good collection of anatomical models, physiological and chemical apparatus, and gentlemen preparing for the higher examinations (F.R.C.S.Eng., M.B. Cambridge, Oxford, London, etc.) receive special instruction in the more difficult subjects.

THE PROVINCES.

THERE are in England, not counting London, nine medical schools, each of them with two exceptions forming part of the Medical Faculty of one or other of the English Universities already described, and each, with one exception, supplying instruction in the full medical curriculum. Accounts of them here follow, these being placed more or less roughly in the order of their foundation. In several cases there is appended to the accounts given of the Medical Schools information concerning other hospitals than those directly connected with the School in question; such Hospitals, officially and unofficially, play a part in the education which the students of the School receive, and in any case are useful as places of additional or post-graduate study.

OXFORD AND CAMBRIDGE.

The medical schools of these ancient seats of learning play year by year an increasingly important part in medical education. At both there are unsurpassed opportunities for obtaining a good knowledge of the Preliminary Sciences and of Anatomy and Physiology, and the same might be said with equal, if not greater, truth in respect of Pathology. All the laboratories are very completely equipped, and the teaching staffs most distinguished. Each of these schools provides a full medical curriculum, and there is no essential reason why the student should not complete his career at either of them, but this is not commonly done. The local hospitals are comparatively small, so the authorities encourage the students, so soon as they have completed the earlier examinations, to join some London school, and thus spend the time of their preparation for the final examination in a city where the opportunities for gaining clinical knowledge are greater and more varied. Most of the London schools make special arrangements for such students, information as to which can be obtained from the respective Deans.

UNIVERSITY OF DURHAM COLLEGE OF MEDICINE.

THIS, the Medical School of the Faculty of Medicine of the University of Durham, is in the neighbouring city, Newcastle-on-Tyne. Its classes and lectures are arranged to meet the requirements of the university in all the degrees which the latter grants, and also those of the other examining bodies. The students do their work in the preliminary sciences at Armstrong College, also part of the university, and then carry on their studies in the new Royal Victoria Infirmary, an institution with over 400 beds opened in 1906 by the King. It has special accommodation for the benefit of students, while to the general buildings of the school has been added in late years a new wing for the departments of Bacteriology, Physiology, and Anatomy. This also contains the students' gymnasium, and a set of rooms for the use of the Students' Union.

Appointments.—Assistant Demonstrators of Anatomy and Prosectors for the Professor of Anatomy, Assistant Physiologists, Pathological Assistants, Assistants to the Dental Surgeon, and Assistants in the Eye Department, Throat and Ear Department, and Department for Skin Diseases are elected annually. Four times in the year Clinical Clerks and Dressers are appointed for three months.

Scholarships.—A University of Durham Scholarship, value £100, for proficiency in Arts, open annually at the beginning of the Winter Session to intending students. The Pears Scholarship, value £150, for proficiency in Arts (when vacant). The Masonic Scholarship, value £45, for proficiency in Arts (when vacant). The Dickinson Memorial Scholarship, interest £400, with a gold medal, for Medicine, Surgery, Midwifery, and Pathology, open to perpetual students in their fifth year. The Tulloch Scholarship, interest of £400 annually, for Anatomy, Physiology, and Chemistry, for students at the end of their second year. The Charlton Memorial Scholarship, interest of £700 annually, open to full students entered for the class of Medicine, at the end of their fourth or fifth winter. The Gibb Scholarship, interest of £500 annually, for Pathology, at end of Summer Session. The Goyder Memorial Scholarship, proceeds of £325; subjects: Clinical Medicine and Clinical Surgery. Luke Armstrong Memorial Scholarship, proceeds of £680, for best essay in some subject in Comparative Pathology. The Scholarship is open to all graduates in Medicine or Hygiene, and candidates for these degrees who have spent at least six months at the University of Durham, and whose age does not exceed 30 years. The Stephen Scott Scholarship in Surgery, interest on £1,000 annually. The Heath Scholarship. The late George Y. Heath, M.D., M.B., D.C.L., F.R.C.S., President of the University of Durham College of Medicine, bequeathed the sum of £4,000 to found a scholarship in surgery, the interest to be awarded every second year. First award in 1896. The Gibson Prize in Midwifery and Diseases of Women and Children, interest on £225. The Turnbull Prize and Medal for Surface Anatomy.

Fees.—The composition fee for the university course is 72 guineas. Other information should be sought from the Secretary of the School at Newcastle.

Other Hospitals.—(1) In the *Hospital for Sick Children* these are 70 beds, besides an isolated block for infectious and doubtful cases. There is a large out-patient department. The practice of the hospital is open free to all students or qualified practitioners. The number of in-patients in 1906 was 779. The out-patient department is carried on in buildings recently erected in the central part of the city, which are being at present extended at an

outlay of £10,000. The number of out-patients in 1906 was 16,415, with 30,821 attendances. (2) At the *Infirmiry for Diseases of the Eye* there are 20 beds. Its out-patients number 6,600 annually. Clinical instruction is given daily from 11 a.m. to 1 p.m.

BIRMINGHAM.

The Medical School in this city is carried on by the Medical Faculty of the University of Birmingham, its students having an adequate number of good laboratories, class-rooms, and other necessaries devoted to their use by the university. The clinical work is done at the General and Queen's Hospitals, which are amalgamated for this purpose. Together they have upwards of 450 beds for medical, surgical, and special cases, together with an array of special departments of all kinds, including a large maternity department. Clinical instruction is given in the wards and out-patient and special departments daily, and formal clinical lectures delivered weekly throughout the Winter and Summer Sessions. Special tutorial classes are also held alike for the degrees of Birmingham and some other universities and for the diplomas of Corporations.

Appointments.—The large number of appointments open to past or other students include the following: At the General Hospital: One Resident Medical Officer, salary £70 a year. One Resident Surgical Officer, salary £100 a year. One Resident Pathologist, salary £50 a year. Two non-resident Casualty Assistant Physicians, salary £50 a year. Three non-resident Surgical Casualty Officers, salary £50 a year. Two non-resident Anaesthetists, salary £50 a year. Five House-Surgeons, office tenable for six months, £50 a year. Two Assistant House-Surgeons, salary at the rate of £40 a year. Three House-Physicians, post tenable for six months, £50 a year. One Resident Medical Officer at the Jaffray Branch Hospital, salary £150 a year. One Resident Assistant at the Jaffray Branch Hospital, tenable for three months. At the Queen's Hospital: Three House-Physicians (posts vacant in January and April). Three House-Surgeons (posts vacant in January and April). One Obstetric and Ophthalmic House-Surgeon (post vacant in April and October). These appointments are tenable for six months. Salaries at the rate of £50 per annum, with board, lodging, and washing. One Resident Dresser, tenable for three months; candidates must previously have attended all their lectures, etc., and need not be qualified. At the City Workhouse and Workhouse Infirmary: Five Resident Medical Officers. At the Birmingham General and Branch Dispensaries: Eight Resident Surgeons. At the Birmingham Lunatic Asylums: Five Assistant Medical Officers. At the City Fever Hospitals: Three Assistant Medical Officers. At the Children's Hospital: One Resident Surgical Officer, one Resident Medical Officer. At the Birmingham and Midland Eye Hospital: Three Resident Surgeons. At the Orthopaedic and Spinal Hospital: Two Clinical Assistants (non-resident). At the Ear and Throat Hospital: One House-Surgeon, four Clinical Assistants (non-resident). There are also four non-resident Poor-law appointments in the gift of the Board of Guardians.

Scholarships.—There are numerous money and other awards for Students of sufficient merit, among them being the following: The *Walter Myers Travelling Studentship* of £150; the *Sands-Cox Scholarship* of £42 (an Entrance Scholarship in the Faculty of Medicine, awarded on Matriculation marks); four *Queen Scholarships* of £10 10s. each, awarded annually at the second, third, fourth, and final university examinations respectively; one or more *Sydenham Scholarships*, allotted on entrance to Students who are the sons of deceased medical men. The *Ingleby Scholarship* of £10 for proficiency in Midwifery and Gynaecology. There is also an Entrance Scholarship of £37 10s. for Students proceeding to a degree in Dental Surgery, besides prizes in money for successful class work by senior and junior Students.

Fees.—The composition fee is £82. This covers all the work required for the degrees of Birmingham and some other universities, and for the ordinary qualifications of licensing corporations, but not the additional courses required for the Fellowship of the Royal College of Surgeons of England, the diploma and degrees of the university in State Medicine and some other special work. Other information should be sought from the Dean of the Medical Faculty

Other Hospitals.—The practice of the *Birmingham and Midland Hospital for Skin and Urinary Diseases* is open to medical students who have passed their anatomical and physiological examinations, and to registered medical practitioners. The fee for a course of three months is 5 guineas. Further particulars may be obtained from the Secretary at the hospital.

MANCHESTER.

The staff of the Medical School in this city constitutes the medical faculty of the Victoria University, and all the arrangements for the instruction of students, both in their earlier and their later studies, being of an elaborate nature. The clinical work of the undergraduates is done chiefly in connexion with the Royal Infirmary, an institution which itself contains about 592 beds, and has associated with it a very large convalescent home and the Royal Lunatic Asylum at Cheadle. The Associated Hospitals, under the same management, contain 1,158 beds.

Instruction in Practical Gynaecology and Midwifery is given at the Royal Infirmary and St. Mary's Hospitals.

Appointments.—The following are among the appointments open to past and present students of this school in connexion with its arrangements for clinical tuition: A Surgical Registrar, at £80 per annum, with an additional £30 when acting as Surgical Tutor; a Pathological Registrar, at £100 per annum; a Medical Registrar, at £70 per annum; a Director and Assistant Director of the Clinical Laboratory, at £200 per annum and £50 per annum respectively; Assistant Medical Officer and an Assistant Surgical Officer, each at £50 per annum; an Anaesthetist, at £50 per annum; two Assistant Anaesthetists, at £50 per annum; an Accident House-Surgeon is appointed for three months at 20 guineas; Medical Officer for Home Patients, one year, £150 per annum; Resident Medical Officer, one year, £150 per annum; ditto, at Cheadle, one year, £150 per annum; Resident Surgical Officer, one year, £150 per annum; an Assistant Medical Officer at the Convalescent Hospital at Cheadle, appointed every six months, at a salary of £80 per annum; two House-Surgeons and two House-Physicians, appointed every three months for a term of six months. Four or more Clinical Clerks are attached to each Physician and Assistant Physician, and to the Obstetric Physician, and four or more Dressers to each Surgeon and Assistant Surgeon, and to the Ophthalmic Surgeon, and four or more Clerks to the Pathological Registrar, two Clerks to the Director of the Clinical Laboratory, and a number of Clerks, not exceeding six, is appointed to assist the Medical Officer for Home Patients. Accident Room Dressers are appointed every three months. Additional Clinical Clerks are appointed to assist in the departments for the Diseases of the Eye, Ear, and Throat.

Entrance Scholarships.—The following are among the Scholarships obtainable by students of the School: *Rogers and Seaton Scholarships* in Arts (in alternate years), £40 per annum, tenable for two years. Two *Dalton* (entrance) Scholarships in Mathematics, tenable for two years, value £40, one being awarded annually, except in such years as a *Cartwright Scholarship* is awarded. *Cartwright Scholarship*, £35 per annum, tenable for three years. Three *Hulme*, of £35, tenable for three years, one being awarded annually for proficiency in subjects of general education, one annually, tenable for three years. Two *James Gaskill Scholarships* of £35, tenable for two years, one being awarded annually for proficiency in the branches Mechanics and Chemistry. A *Dora Muir Scholarship*, £25 per annum, tenable for three years, and open to the competition of Women students only. This is awarded triennially. Next competition in May, 1911. *Sir J. P. Kay-Shuttleworth Scholarship*, £30 per annum, tenable for three years, open to the competition of scholars from Sedburgh School, Giggleswick School, and Burnley Grammar School. Next competition in May, 1909. Subjects: Mathematics, Chemistry, and Mechanics. *Dreschfeld Memorial Scholarship*, value £30, awarded annually on the results of the Matriculation Examination. A *Theodore Modern Languages Exhibition*, £15, awarded annually. Two *Dauntsey Medical Scholarships*, value £35, tenable for one year, for candidates who have not attended lectures in a medical school. Subjects: Zoology, Botany, and Chemistry. A *Matriculation Entrance Scholarship*, value £30 per annum, tenable for three years. Two *Entrance Scholarships in Medicine*, value £100, awarded annually for proficiency in Arts and Science respectively. Two *Robert Platt Physiological Scholarships* of £50, tenable for two years. A *Robert Platt Zoological and Botanical Scholarship*, £50. A *Leech Fellowship* of £100 for proficiency shown at the Second or Final M.B. Examination. A

Graduate Scholarship in Medicine: One of £25 to £50, tenable for one year, awarded annually for proficiency shown at Second M.B. Examination. The *Tom Jones Memorial Surgical Scholarship:* Value £100, tenable for one year, awarded usually triennially; next award in September, 1910. The *Turner Medical Scholarship:* Value £20, awarded annually for proficiency in certain subjects of the Final M.B., Ch.B. Examination. The *John Henry Agnew Scholarship:* of £30, awarded annually for proficiency in the Diseases of Children. The *Bradley Memorial Scholarship* in Clinical Surgery of £20.

This does not complete the whole list of monetary and other awards, which at this school are particularly numerous, but it is sufficient to give some idea of their number and character.

Fees.—The composition fee for the university courses in Medicine is £70, payable in three instalments of 30, 20, and 20 guineas, but this sum does not include the fee to cover the work required for the First B.M. examination. This is £25, payable in one sum. A prospectus and further information about the school and scholarships may be obtained on application to the Registrar.

Other Hospitals.

1. The *Royal Eye Hospital* contains 160 beds. Clinical instruction is given daily to students. Further particulars can be obtained from the Secretary, Mr. W. S. Prophet.

2. The *Manchester Northern Hospital for Women and Children*, situated in Cheetham Hill Road, near the centre of the town, containing 22 beds and 45 cots. Out-patients are seen daily at 8.30, and the wards are visited at 9 a.m.

3. The well-known *Hospital for Children* at Pendlebury, near Manchester, contains 168 beds, and 24 beds at the Convalescent Home, St. Anne's-on-the-Sea. The visiting staff see out-patients daily at the Out-patient Department, Gartside Street, Manchester, at 9.30 a.m., and visit the hospital daily. The practice of the hospital and out-patient department is free to students accompanying the visiting medical and surgical staff.

4. *St. Mary's Hospitals for Diseases of Women and Children, Whitworth Street West Branch.*—This has 100 beds, including 20 for the reception of lying-in cases, especially those attended with difficulty or danger. The new hospital in Oxford Road is rapidly approaching completion. When this is opened a large number of additional beds will be available for maternity cases. In the out-patient departments students are taught the various methods of examination and diagnosis, and the use of gynaecological apparatus, while in the wards they have an opportunity of becoming familiar with the diagnosis and treatment of graver cases, and of witnessing more important gynaecological and obstetrical operations. The number of maternity cases attended annually is over 4,000. The hospital possesses a library, presented by the late Dr. Radford, consisting of nearly 5,000 volumes, chiefly on subjects connected with obstetrics and gynaecology. There is also a museum, containing a large number of pathological specimens, and a valuable collection of deformed pelves, casts, obstetric instruments, and anatomical models. The gynaecological practice of the hospital is free to fourth and fifth years' students. The fees for the midwifery practice are as follows: During terms, per month—first month, £8 8s.; second month, £7 7s.; third month, £6 6s.; per term of eleven or twelve weeks, £18 18s. During holidays—minimum period of three weeks, £8 8s.; extra week, £2 12s. 6d. Only eight students are received at one time, thus allowing each one ample opportunity of attending the number of cases of labour required by the examining bodies. Application must be made to the Secretary at the hospital.

LIVERPOOL.

The Medical School of this city is part of the university, and, owing to the enlightened liberality of several men of wealth, is particularly well provided with special laboratories, as well as with ordinary spacious and well-equipped class-rooms and laboratories for the instruction of students proceeding to medical degrees and diplomas in special and ordinary subjects. All the laboratories and other rooms are situated close to one another and intercommunicate, together forming four large blocks of buildings. The anatomical department is very complete, and includes a large and well-stocked museum and a well-lighted dissecting room on the upper floor measuring 70 ft. by 40 ft. The departments of Physiology are accommodated in the

block provided by the generosity of the late Rev. Thompson Yates. Comparatively recent additions are the Johnston laboratories for Experimental Medicine, Biochemistry, and Comparative Pathology, and the building for Surgery, Toxicology, and Dental Subjects. The work of the students at the later periods of their study is arranged upon equally satisfactory lines, the hospitals, of which an account is given below, having amalgamated to form the Clinical School of the University.

Appointments.—The nature of the appointments open to past and other students at this school will be gathered from the account which follows of the hospitals forming its clinical department.

Scholarships.—The awards made each year to successful students total over £1,000. They include the following: Two whole Fellowships of £100, one in Pathology and Surgery, the other in Physiology; a *Robert Gee Fellowship* in Anatomy, value £100; an *Alexander Fellowship* for Research in Pathology; a *Johnston Colonial Fellowship* in Pathology and Bacteriology; a *John W. Garratt International Fellowship* in Physiology and Pathology, value £100 and renewable; an *Ethel Boyce Fellowship* in Gynaecological Pathology, and a *Thelwall Thomas Fellowship* in Surgical Pathology, all of the value of £100 and all renewable; a University Scholarship of £25, awarded on the results of the Second M.B. Examinations; a Scholarship in Surgical Pathology, value £50 per annum; two *Lyon Jones Scholarships*, of the value of £21 each for two years, one for the junior and the other for senior students; the *Derby Exhibition* of £15 in Clinical Medicine and Surgery alternately; the *Torr Gold Medal* in Anatomy; the *George Holt Medal* in Physiology; the *Kanthack Medal* in Pathology; the *Robert Gee Prize*; two *Robert Gee Entrance Scholarships*, value £25 per annum for two years.

Fees.—Information as to the fees paid for the courses of instruction provided by the school should be sought from the Dean of the Medical Faculty.

The Clinical School.

The following hospitals form the Clinical School of the university:

1. The *Royal Infirmary* contains altogether some 300 beds, and is immediately adjacent to the university; it covers in its work all branches of clinical study. The wards are arranged in separate clinics, with a physician or surgeon, and a resident medical or surgical officer attached in each; each clinic having a "clinical room," in which to interview patients and conduct microscopical and chemical tests. The assistant physicians and assistant surgeons conduct the medical and surgical out-patient department, and take charge of the wards in the absence of the physicians and surgeons. There are four theatres for surgical operations, and one for clinical lectures, and there is a theatre and a laboratory for Morbid Anatomy. There are two electrical rooms, with three Roentgen-ray installations and a high-frequency apparatus, and there are provisions for the employment of various kinds of baths. There is also a room for the Medical and Surgical Registrars, and for the records kept by them. There is a special laboratory for the investigation of morbid products, and another for the investigation of cancer. Separate cloak-room accommodation is provided for women students. The eight resident medical and surgical officers have each their own bedroom and private sitting-room, in addition to common rooms for meals and recreation. Two senior students are appointed resident casualty officers. They attend to accident cases brought to the hospital, accompany the ambulance, and help in the clinical work. A large waiting-room is set apart for the use of students, for whom there is, besides, ample cloak-room and lavatory accommodation.

2. The *David Lewis Northern Hospital*, rebuilt five years ago, and possessing 246 beds, is situated in Great Howard Street. There are three Surgical and two Medical Clinics and a large Out-patient Department with suitable rooms for examination and an operation theatre. A fully-equipped clinical laboratory provides means for clinical investigation and research, in addition to those afforded in the clinical rooms of the various wards. Among the other departments is one for Electro-therapeutics and X-ray Examination, and one for Orthopaedic exercise and gymnastics. Excellent accommodation is available for students, including a common room and cloak-room. In the common room a bookcase contains works of reference on Medicine and Surgery for the use of the students. Facilities are offered for Post-graduate work.

The five Resident Medical Officers receive salaries at the rate of £60 per annum; they each possess a separate

bedroom and sitting-room, in addition to a common room for meals.

3. *The Royal Southern Hospital* contains over 200 beds, and is fully equipped for clinical instruction. There are three medical and three surgical clinics. Various changes have been carried out lately, in particular the opening of a new clinical laboratory for chemical and bacteriological work close to the site of the pathological laboratory. The electrical department has been reorganized, and a new and complete installation for *x*-ray work and light treatment has been made. A Resident Pathologist has recently been appointed to conduct investigation in connexion with the hospital work and to instruct the students. The hospital is easily accessible from all parts of the city.

4. *The Stanley Hospital* contains 106 beds, divided into two medical and two surgical clinics. There are two modern operating theatres and a well-equipped clinical room and gynaecological ward. The Resident House-Surgeons are appointed periodically at salaries ranging from £60 to £90 per annum. There is a large out-patient clinic in each of the special departments of Ophthalmology and Laryngology. The large Medical and Surgical Out-patient Departments provide a considerable amount of clinical material. There is a complete *x*-ray installation.

5. *The Infirmary for Children* has one wing of its new hospital, consisting of 60 beds, now open and occupied. The other wing is completed, and will bring the number of beds up to 100. The new out-patient department is complete and in daily use. Students are admitted to the practice of the hospital for periods of three months; such practice including attendance both in the wards and the out-patient clinics. Students are invited to become out-patient clerks for a period of three months during the fifth year, and to attend two afternoons each week at 2.30.

6. *The Hospital for Women* contains 55 beds. Students who take their course of Clinical Gynaecology in the hospital receive instruction in the wards and out-patient department. The Honorary Surgeons attend daily at 1 p.m.

7. *The Eye and Ear Infirmary* contains 65 beds. Evening courses of Lectures on Refraction and Ophthalmoscopy and Diseases of the Ear are delivered during the winter months by the honorary medical staff. Students who take out their course of Clinical Ophthalmology receive clinical instruction in the out-patient department. The Surgeons attend daily at 1.30.

8. *St. Paul's Eye and Ear Hospital* contains 46 beds. The Surgeons attend daily at 1.30. Complete arrangements are made for instruction in clinical ophthalmology to students for periods of three months.

9. *St. George's Hospital for Diseases of the Skin* has a large dermatological out-patient clinic. The patients include persons suffering from cancer. Demonstrations are given by the Honorary Medical Staff on Mondays, Tuesdays, and Wednesdays, at 12.30.

LEEDS.

The School of Medicine in this city forms the teaching centre of the Medical Faculty of the University of Leeds, and is situated in immediate proximity to the General Infirmary, where students sufficiently advanced receive their clinical instruction. The buildings were opened in 1894, and contain excellent dissecting rooms, several well-arranged laboratories for Physiology, Pathology, and Bacteriology, three lecture theatres, and several smaller classrooms. In addition there are a library and reading-room and two museums, one being devoted to Pathology and the other to Anatomy. The comfort of the students is secured by a common-room and a refectory in which they can take meals. It is estimated by the authorities that the approximate cost of medical education to a student in this university is £195, plus, of course, the expenses of living during the five years covered by the curriculum. The General Infirmary has over 482 beds in constant use, and includes gynaecological and ophthalmic wards and a large new out-patient department. The *Ida Semi-convalescent Hospital* and *Robert Arthington Hospital*, Cookridge, attached to the Infirmary, has over 40 beds. The *West Riding Lunatic Asylum* at Wakefield is also open for the study of Mental Diseases. Students can, in addition, attend the practice of the Leeds Public Dispensary (where the practical instruction in dental subjects is also given),

the *City Fever Hospitals* (100 beds), the *Hospital for Women and Children*, and the *Leeds Maternity Home*.

Appointments.—Senior Anaesthetist, £50. Five Anaesthetists, £25 each. Medical Registrar and Surgical Registrar, at £25 each per annum. The Resident Medical and Surgical Officers, each at £150 per annum. The Casualty Officer, at £125 per annum. The Resident Ophthalmic Officer, at £100 per annum. A Resident Obstetric Officer at £50 is attached to the Gynaecological Ward and an extensive external maternity department. A Resident Medical Officer is appointed every six months for the *Ida Semi-convalescent Hospital* (honorarium, £30). Six House-Physicians, each holding office for six months, and seven House-Surgeons holding office for six months. Physicians' Clerks and Surgeons' Dressers are appointed for six months; Ophthalmic and Aural Dressers, Gynaecological Ward Clerks, Gynaecological Out-patient Clerks, Maternity Clerks, Assistant Physicians' Clerks, Laryngological Clerks, and Assistant Surgeons' Dressers, Assistant Ophthalmic Surgeons' Dressers, Dressers in the Casualty Room, *Post-mortem* Clerks, and Laboratory Assistants for three months. A Clinical Pathologist (£200 per annum) has charge of the pathological laboratory. Appointments are also open to students at the Leeds Public Dispensary (three Resident Medical Officers, with salaries commencing at £80), at the Hospital for Women (House-Surgeon, honorarium £120, and Anaesthetist £25), and at the West Riding Asylums.

Scholarships.—The university awards annually a Scholarship on the results of the July Matriculation Examination in the form of a free admission to the lectures and classes given in the university, which are covered by the composition fee. The Infirmary also awards a Scholarship on the results of the First Examination, of the value of 40 guineas, in the form of a free admission to the clinical teaching of the Infirmary.

Fees.—The composition fee for the university courses is £73 2s. 6d. (for students who have passed the Second Examination £48 16s. 6d.), and for the clinical work at the Infirmary £42.

Further information can be obtained from the Dean, School of Medicine, Leeds, or from the Secretary of the Faculty, General Infirmary, Leeds.

SHEFFIELD.

In this city the medical school is one of the departments of the university, being conducted and controlled by its Medical Faculty, and occupying the entire north wing of the quadrangle of the university buildings overlooking Weston Park. The Laboratories and Lecture Rooms connected with the subjects of the First and Second Examinations, namely Chemistry, Physics, Biology, Anatomy, and Physiology, are, both as regards structural arrangements and scientific equipment, on the most modern and complete lines. No expense has been spared in the matter of apparatus for teaching or research work, and the facilities for practical study in these subjects are as excellent as all the other arrangements of the school.

For students of Pathology and Bacteriology there are laboratories replete with everything necessary for the most advanced work and a large Pathological Museum which is open daily. In addition there is a museum devoted to *Materia Medica* specimens and a large library and reading room. There are a number of Recreation, Athletic, and other Societies, all under the management of an annually elected Students' Representative Council, and large and comfortable common rooms both for men and women students.

In the university buildings there is a refectory open to all students of the school, in which luncheon, dinner, and other meals may be obtained at extremely moderate prices. A university journal, *Floreamus*, edited by a joint committee of the staff and students, is published each term. The ordinary clinical work of the school is done at the Royal Infirmary and Royal Hospital, which have amalgamated for the purpose of clinical instruction. Between them they provide 427 beds for the treatment of medical, surgical, and special cases, each having both an in-patient and out-patient department for diseases of the eye.

In addition, the Royal Infirmary has special departments for the treatment of Diseases of the Skin and Ear, with beds assigned to them, whilst at the Royal Hospital there are special Out-patient Departments for Diseases of

the Throat, Ear, Skin, Orthopaedics, and Mental Diseases. During the last year over 6,000 patients passed through the wards of the two institutions, while those attending as out-patients numbered over 45,000. The Medical and Surgical Staffs attend daily, and give clinical instruction in the wards and out-patient rooms. Clinical Lectures in Medicine and Surgery are given weekly. Instruction in the practical administration of Anaesthetics is given at either institution by the anaesthetists, and the *post-mortem* examinations at both institutions are in charge of the Professor of Pathology, and afford ample material for study of this subject. In addition, the students have the advantage of being able to attend the practice of the *Jessop Hospital for Diseases of Women*, an institution which takes in yearly some 500 gynaecological patients and about 250 cases of confinement, and has as well large out-patient clinics for both classes of patient, the extern maternity work numbering about 250 cases a year. Special courses on Fever are given at the City Fever Hospitals (547 beds), and on Mental Disease at the South Yorkshire Asylum (1,610 beds).

Appointments.—The following appointments are open to all students who have passed their examinations in Anatomy and Physiology: (1) Casualty Dresserships, (2) Surgical Dresserships, (3) Medical Clerkships, (4) Pathological Clerkships, (5) Ophthalmic Clerkships, (6) Clerk to the Skin Department, etc. Except in the case of Casualty Dressers, these appointments are made for three months, commencing on the first days of October, January, April, and July. The Casualty Dresserships last two months, beginning on the first of any month. All students are required to hold them before being eligible for any of the other appointments.

Scholarships.—*Medical Scholarship*, value £100, open to women only. *Entrance Medical Scholarship*, value £116, open to both sexes. *Two Staff Medical Scholarships*, one value £105, the other value £50, open to both sexes. *One Town Trustees' Scholarship*, value £50, tenable for three years, for girls under the age of 19 years, having had a two years' residence in Sheffield immediately prior to becoming scholars or educated in a Sheffield school. *Two Town Trustees' Scholarships*, value £60, for boys or girls under 19 years of age, on conditions similar to the last-mentioned scholarship. *Town Trustees' Fellowship*, value £75, tenable for one year. *Mechanics' Institute Scholarship*, value £50, tenable for one year and renewable for a second year. *The Frederick Clifford Scholarship*, value £50, tenable for two years. *Kaye Scholarship*, for proficiency in Anatomy and Physiology, value £22 10s. Gold and Bronze medals are also awarded for proficiency in various subjects.

Fees.—The composition fee of £80, payable in three instalments, covers attendance on all the courses of Lectures and practical classes, except Pharmacy, Vaccination, and instruction in Anaesthetics, required for a Degree Course in the university, or for the ordinary qualifications in Medicine and Surgery of the Examining Boards. It does not include clinical work or practical instruction in Mental Diseases, Diseases of Women, and Infectious Diseases. The fee for the full course of clinical work is £36 15s. in one sum. For a general prospectus and other information as regards the school, application should be made to the Dean of the Medical Faculty of the University.

BRISTOL.

The school in this city is carried on by the Faculties of Arts and Science and of Medicine of University College, Bristol. Its courses are arranged to meet the requirements of the University of London and the needs of those seeking the diplomas of the Conjoint Board of England and of the Apothecaries' Society of London. A full dental curriculum is also provided. The clinical work of the school is carried on in the Royal Infirmary and General Hospital conjointly, arrangements having been made by which women students can take advantage of this work and therefore complete their whole curriculum at the school. The two institutions mentioned have between them 470 beds and very extensive out-patient departments, besides special clinics for diseases of women and children, and those of the eye, throat, and ear, in addition to arrangements for dental work, and large outdoor maternity departments. The students of the school also have the advantage of attending the practice of the Royal Hospital for Sick Children and Women, containing 104 beds, and that of the Bristol Eye Hospital, with 40 beds. The total

number of beds available for clinical instruction is therefore 614. Very exceptional facilities are thus afforded to students for obtaining a wide and thorough acquaintance with all branches of Medical and Surgical work. Each student has the opportunity of personally studying a large number of cases and of acquiring practical skill in diagnosis and treatment. All classes are open to women.

Appointments.—The posts open to past and other students of the school are those of House-Physician, House-Surgeon, Junior House-Physician, and Junior House-Surgeon at the Royal Infirmary; Clinical Clerks and Dressers, also Ophthalmic, Obstetric, and Pathological Clerks being appointed. At the General Hospital House-Surgeon, Assistant House-Surgeon; Assistant House-Physician, and Casualty House-Surgeon, and Clinical Clerks, Dressers, and Obstetric, Ophthalmic, and Pathological Clerks are appointed. In each case the Dressers reside in the Hospital in rotation free of expense.

Scholarships.—The following are among the Scholarships and other awards open to students of the school: *Medical Entrance Scholarships* of £75 in Arts; two *Martin Memorial Pathological Scholarships*, of £10 each; the *Tibbits Memorial Prize*, value 9 guineas, for proficiency in Practical Surgery; the Committee's Gold and Silver Medals for fifth-year Students for general proficiency; the *Augustin Richard Prize*, value 7 guineas, for proficiency in Anatomy; the *Henry Clark Prize*, value 11 guineas, for general proficiency; the *Crosby Leonard Prize*, value 7 guineas, for proficiency in Surgery; the *Suple Surgical Prize*, a gold medal and 7 guineas; the *Suple Medical Prize*, a gold medal and 7 guineas; the *Henry Marshall Prize*, value £12, for Dressers; the *H. M. Clarke Scholarship*, value £15, for proficiency in Surgery; the *Sanders Scholarship*, value £22 10s., for general proficiency.

Fees.—The composition fee for all the courses required for the medical curriculum, including hospital practice, is 133 guineas. A prospectus and other information can be obtained on application to the Dean of the Medical Faculty, University of Bristol.

CARDIFF.

The school in this city is carried on by the University College of South Wales and Monmouthshire, and devotes itself principally to training students during the first three years of the medical curriculum, all classes being open to women students. The courses of instruction given are recognized as qualifying for the examinations of practically all the licensing bodies in Great Britain, and after passing the tests corresponding to the first three years of the curriculum, the student can complete his course, for whatever degree he is aiming at, in London or elsewhere; besides this, there is an arrangement with the Managing Committee of the Infirmary by which students at the school can take advantage of the opportunities for acquiring experience afforded in the wards of this large, well-ordered hospital. Hence, many students, especially from Wales and Monmouthshire, find it convenient to avail themselves of the advantages of being able to pursue the earlier part of their medical curriculum near home. They can also obtain instruction in the administration of anaesthetics, and with a little additional work can qualify for the B.Sc. Degree of the University of Wales. There is also a Department of Public Health, in which all the work for Diplomas in State Medicine can be done.

Post-graduate Vacation Courses are carried on in association with the Cardiff Infirmary.

Scholarships.—There are a considerable number of scholarships connected with the college, and open to students of the School of Medicine, information as to which can be obtained on application.

Fees.—The composition fee for the courses required as students proceeding to the degrees of the University of London is £57 10s.; that for students proceeding to a diploma of the licensing corporations being £41 10s. Further information may be obtained on application to the Dean of the Faculty of Medicine.

SCOTLAND.

As will be gathered from the following paragraphs, the facilities for acquiring a medical education in Scotland are very ample, whether the student be proceeding to a university degree or to a diploma. To the descriptions of its different medical centres is in some cases added an account of hospitals which either play an official part in

the education given to students as yet unqualified or offer valuable opportunities for post-graduation work.

ABERDEEN.

The school is conducted by the Faculty of Medicine. This comprises twelve chairs, from which instruction is given in all the main branches of medical science—namely, Botany, Zoology, Physics, Chemistry, Anatomy, Physiology, Materia Medica, Pathology, Forensic Medicine, Surgery, Medicine, and Midwifery. Special opportunities for practical instruction are afforded in the laboratories and museums attached to these departments.

Clinical instruction is obtained in the Royal Infirmary (accommodating 230 patients), the Royal Lunatic Asylum (700 patients), the Sick Children's Hospital (75 patients), the City Fever Hospital (100 patients), the General Dispensary, etc. (10,000 out-patients annually), and the Ophthalmic Institution (1,600 patients annually). Courses of practical instruction are given in Diseases of Children at the Sick Children's Hospital; in Fevers at the City Fever Hospital; in Insanity at the Royal Asylum; in Diseases of Ear and Larynx at the Dispensary; in Diseases of the Eye at the Infirmary and Eye Institution; in Diseases of the Skin at the Royal Infirmary.

Bursaries.—Scholarships and Fellowships, to the number of fifty, and of the annual value of £1,180, may be held by students of medicine in this university. They range from £2 to £100 per annum, and are tenable in most cases for two or three years.

Fees.—The fee for each university course is, as a general rule, £4 4s.; and for a second attendance, £3 3s. Matriculation Fee, both sessions, £1 1s.; Summer Session alone, 10s. 6d.; Royal Infirmary, Perpetual Fee, £6; or, first year, £3 10s.; second year, £3. The Winter Session begins on October 13th, 1908.

EDINBURGH.

There are four Schools of Medicine: the School of the University, the School of Medicine of the Royal Colleges, Edinburgh, the Medical College for Women, and the Edinburgh School of Medicine for Women.

THE UNIVERSITY SCHOOL.—This school, of course, furnishes a full curriculum, and, in addition to other resources of the university, has the following means for practical instruction: Royal Botanic Garden, Herbarium, and Museum; Zoological Laboratory and Museum of Science and Art; Physical Laboratory; Chemical Laboratories; Dissecting Room, Bone Room, and Anatomical Museum; Physiological Laboratory, Medical Jurisprudence Laboratories; John Usher Institute of Public Health; Materia Medica Museum and Laboratory; *Post-mortem* Department of the Royal Infirmary and University Pathological and Bacteriological Laboratory; Tutorial Classes of Practice of Physic, of Clinical Medicine, and Clinical Surgery, Surgery, and Midwifery; and the practice of the hospitals, of which some account is given on the next page.

Fees.—The Sessional Fee for Zoology, Botany (Garden Fee, 5s.), Chemistry, Anatomy Lectures, Physiology, Pathology, Materia Medica, Medical Jurisprudence, Surgery, Medicine, Midwifery and Gynaecology, Clinical Surgery (Winter), Clinical Medicine (Winter), is £4 4s. each. Second Course £3 3s. Third Free. A perpetual ticket taken at the beginning of the first year is £6 6s. Physics, Practical Chemistry, Advanced Practical Physiology, Practical Pathology, Clinical Surgery (Summer), Clinical Medicine (Summer), Practical Anatomy (Winter), Operative Surgery, Obstetric Operations, Practical Materia Medica, including Pharmacy, Pathological Bacteriology, Experimental Pharmacology, Vertebrate Morphology and Comparative Embryology, are £3 3s. Practical Botany (besides Garden Fee of 5s.), Elementary Practical Zoology (besides charge of 10s. for Laboratory expenses), Practical Physiology (Experimental), Practical Physiology (Histological), Practical Botany (Advanced), Practical Zoology (Advanced), Practical Anatomy (Summer), Anthropology, Anatomy Demonstrations, Diseases of Children, Diseases of the Eye, Diseases of the Larynx, Ear, and Nose, Diseases of Tropical Climates, Clinical Instruction on Diseases of the Skin, Regional Anatomy, Physiological Chemistry, Invertebrate Zoology, Organic Chemistry, Mental Diseases, £2 2s. Applied Anatomy (Medical and Surgical), £1 1s. Vaccination, £1 1s.

Scholarships and Bursaries.—The following are the awards open to competition in 1908-9: **FELLOWSHIP:** *The Allan Fellowship in Clinical Medicine and Clinical Surgery*, of about £52, awarded annually, after competitive examination of the six candidates who obtained the highest marks in the subjects named in the Final Examination. **FUNDS FOR RESEARCH:** 1. *The William Dickson Travelling Fund*, of the annual value of £90, usually divided into grants of varying amounts. 2. *The Earl of Moray Fund for the Promotion of Original Research*. The annual income is about £630, available for payment of the actual expenses of original research. 3. *Carnegie Post-graduate Scholarships* (£100), *Fellowships* (£150), and *Grants in Aid for Research in Medicine*. Application forms from the Secretary to the Trust, 22, Hanover Street, Edinburgh. These to be returned by May 1st. 4. *Four M'Conn Medical Research Scholarships*, each of £100 for one year, but may be renewed for a second year, open to all graduates of not more than two years' standing, after examination in Therapeutics, Public Health, Physiology, and Physiological Chemistry. Nomination necessary. Forms and particulars can be obtained from M'Innes, M'Kenzie, and Lochhead, 7, Gilmour Street, Paisley. **SCHOLARSHIPS:** 1. There are *Three Vans Dunlop Scholarships*, of £100, tenable for three years, to the candidate who at the Medical Preliminary Examination obtains the highest number of marks, one at the end of the first winter, and one at the end of second winter. 2. *Sibbald Medical Scholarship* of £40, tenable for three years, for highest marks in Chemistry, Botany, Zoology, and Physics. 3. *Two Crichton Scholarships for Research*, each of the value of £100, with an allowance not exceeding £25 for expenses of research, tenable for one year, with power of reappointment, one in Anatomy, and one in Physiology. 4. *The Moutat Scholarship in Practice of Physic*, of about £57 (partly in money and partly in the form of a bronze medallion) for the highest marks in the class of Medicine, and in that subject in the Final. 5. *The Murchison Memorial Scholarship*, annually. Proceeds of £1,000 for proficiency in Clinical Medicine. Examination in Edinburgh in 1909. 6. *The Buchanan Scholarship*, £40 annually, for proficiency in Midwifery and Gynaecology. 7. *The James Scott Scholarship*, about £34 annually, for proficiency in Midwifery. 8. *The Ettles Scholarship in Medicine*, £32 annually, to the most distinguished graduate. 9. *Two Hope Prize Scholarships*, each £30, for one year, for excellence in Chemistry. 10. *The Houldsworth Scholarship*, £49 annually, tenable for one year, with power of re-election, for promotion of research in Pharmacology in that department in the university. 11. *The Grocers' Company of London* offers Scholarships of £300 a year, with an allowance to meet cost of apparatus and other expenses in connexion with Research Work, tenable for one year, but renewable for a second or third year. Apply to the Clerk to the Grocers' Company, Grocers' Hall, London, E.C. **BURSARIES:** 1. *Town Council Bursaries*. A number are vacant. Apply City Clerk, Council Chambers, Edinburgh. 2. *The M'Cosh Graduate's Bursary*, of about £172, and *M'Cosh Medical Bursary*, of about £12 7s. 10d. Tenable for one year. Both for research. 3. *Two Sibbald Bursaries*, of £30 a year, tenable for three years. 4. *Two Thomson Bursaries*, £25 each, tenable for four years. 5. *Five Grierson Bursaries*. Three of £20 and two of £10. Preferential in the first place. 6. *Two Mackie Bursaries*, each of about £29, tenable for two years, one awarded at the end of first, and the other at the end of second *annus medicus*. 7. *Two John Aitken Carlyle Bursaries*, each £29, tenable for one year. 8. *Four Mackenzie Bursaries*, each of £8, awarded annually in Practical Anatomy. 9. *Renton Bursary*, £20, tenable for one year, with restrictions. 10. *Two Crichton Bursaries*, £50 each, tenable for four years, for Scottish students. 11. *Wood Bursary*, £60 per annum, tenable for three years, for high proficiency in Latin, Greek, Mathematics, and English. Examination in Royal College of Physicians, October 21st and 22nd, 1908. **PRIZES:** 1. *The Medical Faculty Gold Medals*, given to M.D.'s whose theses are deemed worthy. 2. *The Neill Arnott Prize*, £39 annually. 3. *The Beane Prize*, for highest awards in Anatomy, Surgery, and Clinical Surgery in the Professionals, £32 annually. 4. *The Cameron Prize*, £30, awarded annually for "any highly important and valuable addition to Practical Therapeutics" in the course of the five years preceding the award. 5. *Two Gunning Victoria Jubilee Prizes*, one in Practice in Physic and one in Physiology and Public Health, each of the value of £50, awarded at graduation in July, 1908. 6. *The Conan Doyle Prize*, of about £32, awarded annually to the most distinguished graduate of the year from South Africa. 7. *The Wightman Prize in Clinical Medicine*, £15 annually. 8. *The Pattison Prize in Clinical Surgery*, £11 annually. 9. *The Robert Wilson Memorial Prize in Chemistry*, silver medal and about £7 annually. 10. *The Dorothy Gilfillan Memorial Prize* of about £11 annually to the most distinguished woman student in the Final M.B., Ch.B. 11. *Gray Prize Essay Fund*. Subject, number, and amount of prizes will be posted at the University gate in March. 12. *The Lord Rector's Prize*, £26 5s.

Full particulars on all subjects will be found in the University Calendar for 1908-9, price 3s. net, or in the *Medical Programme*, price 2d., to be had from Mr. Thin, 55, South Bridge, Edinburgh.

THE SCHOOL OF MEDICINE.—This School of Medicine is composed of Lecturers licensed by the Royal College of Physicians and the Royal College of Surgeons, and also recognized by the university through their *licentia docendi*, who, for the sake of convenience, lecture in separate build-

ings near at hand to the Royal Infirmary. The Lecturers form one body, are all subject to the same rules and regulations, and enjoy the same privileges. A constitution and set of regulations have been drawn up, in virtue of which a medical corporation has been formed, recognized by both Royal Colleges; the government of the School is placed in the hands of a Governing Board consisting of five members elected by the Royal College of Physicians, of five members elected by the Royal College of Surgeons, and of five members elected by the Lecturers in the School. This Board, with the assistance of the Standing Committees of the School, supervises the whole management, and specially the maintenance of the efficiency and discipline of the School. The different buildings at present utilized for the purposes of lecturing are the following: (1) Surgeons' Hall, Nicolson Street; (2) Nicholson Square; (3) Marshall Street; and other places. The teaching is similar to that of the Scottish universities, and the students receive similar certificates at the close of each session. The courses on the special subjects not included in the curriculum of the Examining Boards are also conducted by teachers specially qualified in each branch, and have for the last quarter of a century formed a special feature of the School. The fees payable for class and other instruction, and including the sums payable on admission to the examination of the Conjoint Board for the Triple qualification, amount to about £115. Other information can be obtained on application to the Secretary of the School, 27, Forrest Road, Edinburgh.

THE MEDICAL COLLEGE FOR WOMEN.—This hitherto has been the principal school for women, and is under the control of the Scottish Association for the Medical Education of Women. Its head quarters, however, having been sold over its head, it has suspended operations for the time being. Information respecting it should be sought from the Clerk and Treasurer of the Association, Mr. A. T. Hunter, C.A., 66, Frederick Street, Edinburgh.

THE EDINBURGH SCHOOL OF MEDICINE FOR WOMEN.—The Edinburgh School of Medicine for Women provides all the classes required for a complete curriculum. The classes qualify for the University Degree in Medicine, for the Diploma of the Royal Colleges, and for the Triple Qualification. The lecturers of the school are specially recognized by the Court of Edinburgh University for the education of women who propose taking the Degree in Medicine of the University of Edinburgh. Most of the classes are held in Surgeons' Hall. The office of the school, and a sitting-room and other conveniences are provided in the same building for the use of the women students. The clinical instruction of the students is conducted in the wards of the Royal Infirmary, specially set apart for the purpose; in the Royal Hospital for Sick Children, in the City Hospital for Infectious Diseases, at one of the lunatic asylums near the city, and at the various public dispensaries. The fees and the regulations as to the course of study are the same as for the students at the School for Male Students. Further particulars are obtainable from the Dean of the School of Medicine for Women, Surgeons' Hall, Edinburgh.

Clinical Hospitals.

1. *Edinburgh Royal Infirmary.*—There are over 900 beds and 100 at the Convalescent House at Corstorphine. For last year the in-patients numbered 11,140 and the out-patients 38,660. Instruction is given in all the special departments of medicine and surgery, in gynaecology, eye, ear, throat, and nose affections, diseases of skin, dental work (extraction, stopping, and artificial cases), the administration of anaesthetics, electrotherapeutics, hydrotherapeutics, and x-ray work, etc. Women are admitted and receive special and separate tuition on both the medical and surgical sides. Nine resident physicians and ten resident surgeons (three of whom are entirely set apart for the out-patient department) are appointed every six months. They live in the hospital free of charge, save for laundry. They must be registered. Thirty non-resident clinical assistants are also appointed for six months in the various departments. The Physicians and Surgeons appoint their own clerks and dressers, and assistants in the Pathological Department are appointed by the Pathologist. Fees: Six months, £4 4s.; one year, £6 6s.; perpetual ticket, £12 if paid in one sum, or £12 12s. if by separate payments.

2. *Royal Victoria Hospital for Consumptives.*—Excellent opportunity is afforded for the clinical study of Diseases of the Chest. Special clinics by the staff are arranged from time to time, both in the hospital itself, which contains over 50 beds, and in the extensive outdoor department, which has its head quarters at the Royal Victoria Dispensary for Consumption, 26, Lauriston Place, close to the university. The number in attendance at these clinics is limited. The fee is £2 2s. for a few weeks' course. Application for places has to be made some time in advance. Two medical appointments in connexion with the hospital are vacant every six months: (1) Resident Physician; (2) Non-resident Clinical Assistant for the outdoor department. The vacancies occur usually in April and October.

3. *Royal Edinburgh Hospital for Sick Children.*—The hospital is in Sciennes Road, about seven minutes' walk from the Medical School and Royal Infirmary. It contains over 120 available beds. There are some 1,950 in-patients and 27,000 out-patient attendances yearly. The out-patient department is conducted in a building adjoining the hospital, and is well equipped. Systematic clinical courses of instruction, which qualify for the university and other examinations, are given at various times throughout the year by the ordinary physicians and surgeons. Students may enter at any time. Four resident appointments are made half-yearly. Further information should be sought from the Registrar of the hospital.

4. *Edinburgh Eye, Ear, and Throat Infirmary.*—Open daily at 6, Cambridge Street, at 1 p.m., for Eye Diseases; on Monday, Thursday, and Saturday at 12, and on Tuesday and Friday at 4, for Ear, Nose, and Throat Diseases. There is a small infirmary of ten beds in male and female wards. In-patients, 95; out-patients, 4,345.

5. *Edinburgh Royal Maternity and Simpson Memorial Hospital* has 44 beds, about 464 in-patients and 610 out-patients yearly. A Nursing Home in Leith is worked in connexion with the hospital, and last year supervised the deliveries of some 220 out-patients. Daily clinics are given by the physicians and assistant physicians. Two House-Surgeons are appointed for each quarter. The Milne Murray Home in connexion with the hospital is a residence for students taking their midwifery practice. Fees: The hospital fee is £4 4s. per month, and the residency fee 25s. per week. There is accommodation for twelve students.

6. *Edinburgh City Hospital for Infectious Diseases* at Colinton Mains contains 600 beds, a large number of which are available for teaching purposes. Qualifying courses of instruction are given by the Consulting Physician and the Medical Superintendent during the Winter and Summer Sessions. The fee is £1 1s.; 3,560 patients in 1907.

7. *Royal Asylum, Morningside, Edinburgh.*—There is a clinical field of 500 beds, comprising all the wards except those for private patients. Students have the opportunity of personally coming in contact with and examining the cases, so as to learn the modes of dealing with patients suffering from mental disease; they are exercised in diagnosis and the drawing up of certificates, the aim being to enable them to recognize its early stages, to distinguish its varieties, to adopt suitable treatment, and to advise the relatives as to sending the patient to an asylum. The course extends through the last month of the Winter Session and most of the following Summer Session, and the fee is £2 2s.

GLASGOW.

There are four medical schools in this city: the two schools of the university, one of which (Queen Margaret College) is for women students; St. Mungo's College (the school of the Royal Infirmary), and Anderson's College.

THE UNIVERSITY SCHOOL FOR MEN.—The whole course of study required for graduation at the University of Glasgow can be passed here. Besides work of a practical and clinical kind in the hospitals, practical courses are conducted in the laboratories of the following departments: Surgery, Pathology, Public Health, Pharmacy, Physiology, Anatomy, Chemistry, Zoology, Physics, and Botany, the Botanic Garden and the Hunterian Museum being also open to students. New buildings and equipments have recently been provided for Botany at a cost of £20,000, for Practical Anatomy at £14,000, for Operative

Surgery at £9,900, as well as for Pathology, while very large additions, costing nearly £12,000, have been made to the Chemistry Laboratory, rendering it probably the most extensive in Scotland. New class-rooms and laboratories have been erected for the departments of Physiology, Materia Medica, and Medical Jurisprudence and Public Health, to cost, with equipment, upwards of £60,000. The university has of late been making efforts to extend and improve the accommodation, especially the laboratories, of the medical departments, to strengthen the teaching staff, and to encourage post-graduate and research work. Three very extensive General Hospitals in the city afford exceptional opportunities for clinical instruction—namely, the Western Infirmary (543 beds), near the university, and attended by the bulk of the men students; the Royal Infirmary (588 beds); and the Victoria Infirmary (260 beds); while the Royal Asylum (460 beds), the Royal Hospital for Sick Children (74 beds), the Maternity Hospital (34 beds), the Glasgow Eye Infirmary (100 beds), the Fever Hospitals at Belvidere (680 beds), and Ruchill (540 beds), and other institutions, afford facilities for the practical study of special branches.

Bursaries.—Bursaries confined to the Medical Faculty amount in annual value to about £1,000, while bursaries in any Faculty, amounting to about the same annual sum, may be held by students of medicine, a number of both sets being open to women. Several valuable scholarships may be held by medical students who have graduated in Arts. Some of the bursaries are described below.

Fees.—The matriculation fee for each year is £1 1s. In most cases the fee for each university class is £4 4s., but in some cases it is £3 3s. For hospital attendance students pay an entrance fee of £10 10s. at the Western Infirmary, with an additional fee of £3 3s. for each winter and £2 2s. for each summer clinical course; while at the Royal Infirmary the fees for the first year are £10 10s. and the total fees £21. The university fee for the four professional examinations is £23 2s. (£6 6s. for each of the first and second examinations, and £5 5s. for each of the third and fourth). For the whole curriculum, the fees for matriculation, class attendance, hospital attendance, and professional examinations, amount to about £150.

For further information apply to the Secretary, the Matriculation Office, Glasgow University.

QUEEN MARGARET COLLEGE.—In this, the school of the University for Women, the course of study, degrees, regulations, fees, etc., are the same as for men. Women students have their own buildings, with class-rooms, reading room, library, etc., and are mainly taught in classes apart from male students, but have all the rights and privileges of university students. Their clinical studies are taken in the Royal Infirmary, where wards containing 148 beds are reserved for their exclusive use, and in its dispensaries; also in the Royal Hospital for Sick Children; the Glasgow Ear Hospital; the Hospital for Skin Diseases; the Royal Asylum, Gartnavel; the City of Glasgow Fever Hospitals, Belvidere and Ruchill; and the Glasgow Maternity Hospitals.

Scholarship.—The *Arthur Scholarship*, annual value £20, tenable for three years. Open to competition by medical students of first year of the First Professional Examination in October, 1910. This scholarship is the gift of Mrs. Arthur, of Barshaw, and is restricted to women medical students.

Class and Examination Fees.—The class and hospital fees for the subjects enjoined by Ordinance as constituting a five years' course of study and clinical work amount to about £113 8s. To this must be added £5 5s. for matriculation fees (£1 1s. for each of five years), £23 2s. for examination fees, and £5 1s. for registration as a medical practitioner.

Board for Students.—A House of Residence for women students, Queen Margaret Hall, is situated near the College. The cost of board and residence is from 17s. to 25s. per week, according to accommodation. Full information can be obtained from Miss Galloway, Queen Margaret College, or from the Lady Warden, Queen Margaret Hall, Bute Gardens, Glasgow.

BURSARIES.—The following Bursaries are open to undergraduates of both sexes: The *Gibson Bursary*, annual value £36, tenable for four years. This is open to medical students who are preparing for service as medical missionaries in connexion with the Church of Scotland, and will be awarded to the eligible candidate who has gained the highest number of marks in

the First Professional Examination. One *Logan Bursary*, annual value £17, tenable for four years; appointment by the Senate. Next vacancy, 1909. The *Mackintosh Mental Science Bursary* in Medicine, of the value of £31, is awarded annually to the student (of either sex) attending the class of Insanity, who stands first in an examination in that subject, to be held in June—the Bursar to continue the practical study of the subject to the satisfaction of the Faculty of Medicine. The *Gardiner Bursary*, annual value £14, tenable for two years, will be awarded after the autumn professional examination to the candidate who has passed in Physiology at the Second Professional Examination, and whose aggregate of marks in that subject and in Chemistry and Physics of the First Professional Examination is the highest. Next vacancy, 1909. The following are tenable in any Faculty: Two *Pratt Bursaries* (each £20 and tenable for four years), both open in 1908, and two *Taylor Bursaries* (each £7, tenable for four years), one open in 1909 and the other in 1910. Three *Armagh Bursaries* (£48 each), one open in 1908 to students taking honours in Classics in the Final Examination for the degree of M.A., tenable for three years. Four *Andrew and Berthia Stewart Bursaries* (£50 each, tenable for three years, in Medicine or Law); one is vacant in 1908; candidates must have taken the M.A. degree of Glasgow. There is a special Examination. Nine *Glasgow Highland Society's Bursaries*, for students of Highland descent, of the annual value of £25, and tenable for five years; two are vacant in 1908. The Carnegie Trust for the Universities of Scotland is empowered to pay the whole or part of the university ordinary class fees of students of Scottish birth or extraction, under conditions given in the college prospectus. The *Dobbie Smith Gold Medal* is awarded annually for the best essay on a prescribed subject within the Science of Botany. The *Brunton Memorial Prize* of £10 is awarded annually to the most distinguished graduate in Medicine of the year. The University Commissioners issued an Ordinance to make regulations for the admission of women to certain other Bursaries, Scholarships, and Fellowships. Scholarships and Fellowships are offered by the Carnegie Trust in Science and Medicine for post-graduate study. There are also four *McCum Medical Research Scholarships* (£100 for one year) for graduates who have taken the degrees of M.B., Ch.B. within the previous three and a half years.

ST. MUNGO'S COLLEGE.—This is the Medical School of the Royal Infirmary, which is the largest in Glasgow; it is situated in Cathedral Square, Castle Street, and has car communication with every part of the city. St. Mungo's College is in the Infirmary grounds.

The Infirmary has, including the Ophthalmic Department, over 620 beds, the average number occupied in 1905 being 600. When the reconstruction of the Infirmary, long in progress, is completed, it will have about 700 beds. There are special beds and wards for Diseases of Women, of the Throat, Nose and Ear, Venereal Diseases, Burns, and Septic Cases.

At the Outdoor Department the attendances in 1905 numbered over 62,000. In addition to the large Medical and Surgical Departments, there are Departments for Special Diseases—namely, Diseases of Women, of the Throat and Nose, of the Ear, of the Eye, of the Skin, and of the Teeth. A fully-equipped Electrical Pavilion was opened a few years ago, and year by year the latest and most approved apparatus for diagnosis and treatment has been added. Wards are set apart for the teaching of women students.

Appointments.—Five House-Physicians and nine House-Surgeons, having a legal qualification in Medicine and Surgery, who board in the Hospital free of charge, are appointed every six months. Clerks and Dressers are appointed by the Physicians and Surgeons. As a large number of cases of Acute Diseases and Accidents of a varied character are received, these appointments are very valuable and desirable.

Fees.—The fees for hospital attendance, including Clinical Lectures and Tutorial Instruction, attendance at the Outdoor Department, at the Pathological Department, *Post-mortem* Examinations, and the use of the Museum, which has not long since been rearranged and catalogued, are as follows: For one year, £10 10s.; for six months, £6 6s.; for three months, £4 4s. Students who have paid fees to the amount of £21 to the Glasgow Royal Infirmary are permitted to attend, in any subsequent year or years, one Winter and one Summer Course of Instruction in the infirmary without further payment; and Students who have paid to any other hospital in the United Kingdom fees, being not less than £21, in virtue of which they are entitled to attend without further payment, shall be admitted as Students of the Royal Infirmary on payment of £3 3s. for six months, or £1 11s. 6d. for three months.

ANDERSON'S COLLEGE.—This school provides education in all subjects of the five years' curriculum. The Hospital Practice and Clinical Lectures are provided in Western or Royal Infirmary; Pathology in Western or Royal Infirmary; Vaccination and Dispensary Practice in Western or Royal Infirmary Dispensary. These classes are recognized by all the Licensing Corporations in the United Kingdom, and also by the Universities of London, Durham, Ireland, Glasgow, and Edinburgh (the latter two under certain conditions which are stated in the school *Calendar*). The courses (Lectures and Laboratory) in Public Health are also recognized by the Scottish Licensing Board, the Irish Colleges, and the University of Cambridge.

The school buildings are situated in Dumbarton Road, immediately to the west of the entrance to the Western Infirmary, within two minutes' walk of that institution, and four minutes' walk of the university.

Class Fees.—For each Course of Lectures (Anatomy, Ophthalmic Medicine and Surgery, Aural Surgery, Diseases of Throat and Nose, Mental Diseases, and Public Health excepted), First Session, £2 2s.; Second Session (in Anderson's College), £1 1s. For Practical Classes (except Anatomy, Chemistry, and Public Health), namely, Botany, Zoology, Physiology, Pharmacy, Operative Surgery, First Session, £2 2s.; Second Session, £2 2s. Anatomy Class Fees, Winter: First Session, Lectures and Practical Anatomy, £5 5s.; Practical Anatomy alone, £2 2s. Second Session, Lectures and Practical Anatomy, £5 5s.; Practical Anatomy alone, £2 2s. Third Session, Practical Anatomy, £1 1s. Summer: Lectures and Practical Anatomy, £2 12s. 6d.; Lectures alone, £1 11s. 6d.; Practical Anatomy alone, £1 11s. 6d.; Osteology and Practical Anatomy, £2 12s. 6d.; Osteology alone, £1 11s. 6d.; Practical Anatomy alone, £1 11s. 6d. Chemistry: Lectures, £2 2s.; Practical Chemistry, £3 3s. Botany and Zoology: Reduced Fees for Lectures with Laboratory Work in Botany or in Zoology, during same Summer Session, £3 3s. For Lecture Class or Practical Class separately, in Botany or in Zoology; £2 2s. Ophthalmic Medicine and Surgery (including Hospital Practice), Aural Surgery, Diseases of Throat and Nose, and Mental Diseases: Fee for each Course, £1 1s. Public Health Laboratory: Fee for Six Months' Course, £11 11s.; including Course of Lectures, £12 12s. Western Infirmary.—Fees: For Hospital Attendance, £10 10s.; for Clinical Instruction, Winter Session, £3 3s.; Summer Session, £2 2s. Students who have completed the Clinical course elsewhere are permitted to enter for a six months' course of the Hospital only on payment of a fee of £2 2s. Pathology, £4 4s. Practical Pathology, £3 3s. Pathology Demonstrations only, £1 1s. Vaccination fee, £1 1s. Royal Infirmary.—Fees: Hospital Practice and Clinical Instruction, first year, £10 10s.; second year, £10 10s.; afterwards free. Six months, £6 6s.; three months, £4 4s. Pathology, both courses, £4 4s. Vaccination fee, £1 1s. Attendance at the dispensaries of the Western and Royal Infirmaries is included in the hospital fee. Eye Infirmary.—Fee: Hospital Practice and Clinical Instruction, including Lectures at the College, six months, £1 1s. The session opens on Monday, October 12th, 1908.

The Carnegie Trust pays the fees of students at Anderson's College on conditions regarding which particulars may be obtained from the Secretary, Carnegie Trust Offices, Edinburgh.

A *Calendar* containing full particulars of the School may be obtained from the Secretary to the Medical Faculty, Anderson's College, Glasgow, W.

Clinical Hospitals.

1. *The Royal Infirmary.*—Some notes respecting this institution have been given in connexion with its medical school.

2. *Glasgow Western Infirmary.*—This hospital adjoins the University of Glasgow, and has over 500 beds. The Clinical Courses are given by the Physicians and Surgeons, each of whom conducts a separate class, and students may attend whichever they select at the beginning of the session. Special instruction is given to junior students by tutors or assistants, and Clinical Clerks and Dressers are selected from the members of the class. Special wards are set apart for Diseases of Women and

for Diseases of the Skin. In the Out-Patient Departments there are special clinics for Diseases of Women and for Diseases of the Throat, Ear, and Teeth, etc. All the courses of clinical instruction are recognized at the University of Glasgow and other Boards in the kingdom. Thirteen Resident Assistants are appointed annually without fee from those who have completed their course. *Fees.*—(1) Every Student must pay a fee of £10 10s. for hospital attendance, and this is kept quite apart from the fees for clinical instruction. (2) Every Student pays £2 2s. for each Summer, and £3 3s. for each Winter Session of clinical instruction, or such other fees as may be fixed from time to time by the managers in conjunction with the University Court. (3) Students who have completed their clinical course elsewhere are permitted to enter for a six months' course of the hospital only, on payment of a fee of £2 2s. In-patients, 7,556, out-patients, 29,524.

3. *Glasgow Eye Infirmary.*—This infirmary is situated at 174, Berkeley Street, and 80, Charlotte Street, and has 100 beds. Dispensaries open daily at 1 p.m. Operations performed on Monday and Wednesday at 10 a.m. and 2 p.m., and Friday at 9 a.m. and 2 p.m. Students' fees for six months, 1 guinea. In-patients, 1,638; out-patients, 27,992.

4. *Royal Hospital for Sick Children.*—This hospital, containing over 100 beds (26 of which are at the country branch at Drumchapel) for the non-infectious diseases of children, is open for clinical instruction, as is the dispensary or out-patient department. Students, by paying the fee of £1 1s., are entitled to the practice of the hospital and dispensary for twelve months from the term of entry. In-patients, 1,200; out-patients, 44,462. Further particulars may be had by applying to the Resident Medical Officer, 45, Scott Street, Garnethill. The Dispensary is at 11, West Graham Street (within three minutes' walk of the hospital).

5. *Glasgow Maternity and Women's Hospital.*—Since last year the New Maternity and Women's Hospital has been completed at the junction of Montrose Street and Rotton Row. In its construction the needs of students in midwifery were carefully kept in view. It is in every way exceedingly well adapted for use as an obstetrical clinic, and a little later on will be equally valuable as a place for the study of gynaecology. There are waiting rooms and a special lecture theatre, and also an excellent residence for the accommodation of students. The staff of the institution consists of the Professor of Midwifery of the university and three other obstetricians; each of the four has his own assistant. There are also three resident house-surgeons. Though specially intended for the students of the university, the institution lent itself equally well to post-graduate study. It is intended, it is understood, to hold from time to time formal courses for post graduates, but graduates can join the hospital at any time for purposes of study. The arrangements of the institution are in themselves an excellent object-lesson in modern obstetrics.

ST. ANDREWS AND DUNDEE.

The medical institutions in these two cities cater specially for students proceeding to the degrees of the University of St. Andrews, but admit, we understand, other students as well. In the former city the United College provides education in all subjects of the first two years. In Dundee, University College provides for the needs of students from the beginning to the end of the five years' curriculum. Its buildings are modern, and contain laboratories and workrooms for Anatomy, Physiology, Materia Medica, Pathology, Ophthalmology, Public Health, Medicine, Surgery, and Gynaecology. The Clinical work of the school is facilitated by the institutions below described. The class fees are 4 guineas for systematic classes and 3 guineas for practical classes. The Hospital ticket is 3 guineas a year, or 2 guineas each Session. Added up the fees for the curriculum amount to about 100 guineas. In connexion with both institutions there are Bursaries and Scholarships of considerable value, which are awarded after competitive examination. Information as to these can be obtained either from the Secretary of the University of St. Andrews or the Secretary of one or the other college.

Dundee Royal Infirmary.—The infirmary contains 400 beds, with a special ward for the treatment of diseases of children. Five Resident and one non-Resident Qualified Assistants are appointed annually. Clinical Clerks and Dressers are attached to the physicians and surgeons, and students are appointed to assist in the *post-mortem* room. Out-patients are seen daily at 9 a.m. There is an Intern and Extern Maternity Department connected with the infirmary. The instruction given at the infirmary is recognized for purposes of graduation by all the Scottish universities, the University of London, the University of Cambridge, the Royal University of Ireland, and by the Royal Colleges of England and Scotland. Further information on application to the Medical Superintendent.

Dundee District Asylum.—The appointments include two qualified Resident Assistants and two Resident Clinical Clerks. Clinical instruction is given.

IRELAND.

THERE is at present a choice of six Schools for those who desire to prosecute their medical studies in Ireland, and for clinical instruction the choice is equally satisfactory and varied, though the hospitals themselves are comparatively small. In deciding at which of them to do the greater part of his later work, the student will best be guided by the advice of the teachers of the school he has first joined. It should also be noted that there is a school specially intended for post-graduation students who are candidates for admission to either the Royal Navy, the Army, or the Indian Medical Service. Some account of these Schools follows:

THE SCHOOL OF PHYSIC.

This school is in Dublin, and is carried on under the joint auspices of the University of Dublin and of the Royal College of Physicians in Ireland; the King's Professors of Institutes of Medicine, Practice of Medicine, Materia Medica, and Midwifery being appointed by the latter.

Clinical instruction is given at Sir Patrick Dun's Hospital, and some twelve other metropolitan hospitals, infirmaries, and asylums are recognized by the Board.

CATHOLIC UNIVERSITY MEDICAL SCHOOL.

This school, situated in Cecilia Street, Dublin, provides lectures and teaching covering the whole curriculum of the medical student, the total cost for school fees and hospital attendance being £160, which is payable by instalments as the courses are taken, each in turn. Those who think of joining the school should procure a very useful *Guide for Medical Students*, written by the Registrar, who will also provide a general prospectus of the school.

THE SCHOOLS OF SURGERY.

These are schools carried on in Dublin under the supervision and control of the Council of the Royal College of Surgeons. They are formed of the College's own school, combined with two famous old medical schools—Carmichael and Ledwich; they are attached to the college by Charter. The buildings contain spacious dissecting-rooms, one set apart for lady students, and special Pathological, Bacteriological, Public Health, Chemical, and Pharmaceutical laboratories. Advantage can be taken of the lectures and instruction afforded by students otherwise unconnected with the college. There is a refreshment room on the premises for the benefit of students.

Prizes.—Among the prizes annually awarded are: The Barker Anatomical Prize (£31 10s.); the Carmichael Scholarship (£15); the Mayne Scholarship (£8); the Gold Medal in Surgery, and the Stoney Memorial Gold Medal in Anatomy; Class Prizes of £2 and £1, accompanied by silver medals, will also be given in each subject.

The next session begins early in October, terminating in March, while summer lectures and classes commence on April 1st, and are carried on until the end of June.

Prospectus can be obtained post free on application to the Registrar, Royal College of Surgeons, Dublin.

QUEEN'S COLLEGE, BELFAST.

This College provides courses of instruction to meet the requirements of the Royal University of Ireland and other Examining Bodies. The College contains laboratories in connexion with the departments of Biology, Chemistry, Physiology, Pathology, Anatomy, Physics, and Materia

Medica. In connexion, too, is a Students' Union which gives students the advantage of dining-rooms, reading-rooms, a library, and various recreation rooms. Women are eligible as students. Clinical instruction is given at the Royal Victoria Hospital, which was rebuilt a few years ago and has 300 beds. Other hospitals open to the students of the College are: The Maternity Hospital, the Ulster Hospital for Women and Children, the Hospital for Sick Children, the Ophthalmic Hospital, the Benn Ulster Eye, Ear, and Throat Hospital, the Union and Fever Hospitals, and the District Lunatic Asylum.

Scholarships.—(1) Ten medical scholarships each year, value £20 each; (2) two Dunville studentships (one each alternate year), value £150 each; (3) one Andrews studentship each alternate year, value £145; (4) numerous sessional prizes. A Mackay Wilson travelling medical scholarship, value £100, will be awarded in 1909.

Fees.—The cost of the curriculum intended for students proceeding to the degrees of the Royal University of Ireland is £95. This includes examination fees and a perpetual ticket for attendance at the Royal Victoria Hospital, but not the fees for the special hospitals. The course for the Conjoint Board costs about the same. Application for further information should be made to the Registrar, Queen's College, Belfast.

QUEEN'S COLLEGE, CORK.

The arrangements in the School of the Faculty of Medicine are made chiefly with reference to the requirements of the Royal University of Ireland, but students proceeding for the examinations of the Conjoint Boards of England, Scotland, or Ireland, the Society of Apothecaries of London, or the Apothecaries' Hall of Ireland, can arrange the courses of Lectures which they attend, and the order in which they attend them, to meet the requirements of those bodies. Certificates of attendance at the College courses are also accepted by the University of Cambridge.

Clinical instruction is given at the North and South Infirmaries (each 100 beds). Students can also attend the Mercy Hospital (60 beds), the Cork Union Hospital, the County and City of Cork Lying-in Hospital, the Maternity, the Hospital for Diseases of Women and Children, the Fever Hospital, the Ophthalmic and Aural Hospital, and the Eglinton Lunatic Asylum. The session extends from October to April inclusive, but arrangements have been made for the delivery of some of the three months' courses of lectures during the months of April, May, and June. The Hospitals are open to students in May, June, and July also.

The College contains Laboratories in the Departments of Biology, Chemistry, Physiology, Pathology, and Materia Medica and Pharmacy, and there are a Botanic Garden and Plant Houses in the grounds.

Scholarships.—Eight Medical Scholarships, two in each of the first four years, of the value of £25 each, and in the fifth year the Blaney Scholarship, of the value of £32, and a Senior Exhibition, value £30. Three Exhibitions, one in Practical Medicine, one in Practical Surgery, and one in Practical Midwifery, each of the value of £15.

Fees.—The fees for the lectures and hospital attendances required by the Royal University of Ireland course come to about £85.

Further information can be found in the College Regulations, or obtained on application to the Registrar, Queen's College, Cork.

QUEEN'S COLLEGE, GALWAY.

The Lectures of the Professors in the Medical School of Queen's College, Galway, and the Clinical Instruction in the Galway Hospitals, are recognized as qualifying for the Diplomas of the Royal Colleges in Ireland, England, and Scotland, and for the Medical Degrees of the University of London and for those of the Royal University of Ireland.

The Clinical teaching is carried on in the Galway Hospital.

In addition to this, the Galway Fever Hospital is open to students of the Clinical Class. Here opportunities are afforded for studying the various forms of Fever and Zymotic Disease admitted during the College Session. The Medical Faculty has also made arrangements with the medical officers for the admission of students to the Galway Union Hospital. This Hospital affords an extensive field for the study of all classes of disease, acute

and chronic. A special ward is set apart for the diseases of children, in which students have an opportunity of studying this important class of cases. Opportunities for outdoor practice and vaccination are afforded at Galway Dispensary, No. 1. Students whose names are on the Clinical Roll of the Galway Hospital may attend any of the above-named institutions without further charge.

For further information as to the arrangements for clinical teaching, which are liable to alteration, applications should be made to the Honorary Secretary of the Medical Staff of Galway Hospital.

POST-GRADUATE SCHOOL FOR SERVICE CANDIDATES.

This school, carried on in Dublin with the sanction and support of the Board of Trinity College, is designed to enable Irish medical students who desire to enter the Royal Navy, the Army, or Indian Medical Service to prepare themselves in Ireland. The large number of the class each session is a proof that this object has been attained. The classes, which are largely practical, include instruction in Clinical Medicine and Surgery, Pathology, Theoretical Medicine and Surgery, Midwifery, Operative Surgery (on the cadaver), Anatomy and Physiology. The practical classes meet in the various departments of the Medical School, Trinity College, where the lectures are also given. Clinical instruction in connexion with the course is given at one of the Dublin hospitals. The classes are held twice each year. Further particulars and a prospectus of the course may be obtained by application to Dr. C. Arthur Ball, Honorary Secretary, 22, Lower Fitzwilliam Street, Dublin.

OTHER EDUCATIONAL FACILITIES.

SOME account may also be given of the many hospitals in and around Dublin which, officially or unofficially, take a share in the educational work of this centre of medical study, and also afford opportunities to post-graduate students.

SIR PATRICK DUN'S HOSPITAL.

This hospital, situated in Grand Canal Street, is connected with the School of Physic of the University of Dublin, but its practice is open to students of medicine attending other schools, and its certificates are recognized by the Royal University of Ireland and the Royal Colleges of Surgeons in England, Scotland, and Ireland. Clinical instruction is given daily by the physicians and surgeons, and special classes for students commencing their studies are held during October, November, and December. They embrace the elements of Medicine and Surgery, including note-taking. The operating theatre is thoroughly in accord with the requirements of modern surgery. Clinical teaching on the Diseases of Women is given twice a week, and in the special wing devoted to fever cases regular clinical instruction is given throughout the Winter and Summer Sessions. Pathological and Bacteriological Demonstrations are given on Fridays during the Winter and Summer Sessions in the new Pathological Laboratory. A new department for the treatment of Throat, Nose, and Ear diseases affords instruction in these subjects, and in the use of the Laryngoscope and Otoscope. In the *x*-ray department opportunities are given the members of the Hospital Class of seeing the various applications of the *x* rays to the diagnosis and treatment of injury and disease. The out-patient departments are similarly useful. Special demonstrations are given upon Diseases of the Skin.

Appointments.—A Resident Surgeon, with salary, is appointed annually, and four Resident Pupils, and six Surgical Dressers, and six Clinical Clerks each half-year.

Prizes.—The Haughton Clinical Medals and Prizes in Medicine and Surgery are awarded annually, other candidates who show sufficient merit being given special certificates.

Fees.—The fees are: Winter and Summer Session, together, £12 12s. Winter Session only (six months), £8 8s. Summer Session only (three months) £5 5s. Other information can be obtained from the Honorary Secretary to the Medical Staff of the Hospital.

RICHMOND, WHITWORTH, AND HARDWICKE HOSPITALS.

These hospitals contain 312 beds, and have also special clinics for diseases of the eye, ear, throat, and nose, and diseases of women.

The Richmond Lunatic Asylum, containing over 1,200 patients, is close by, and affords facility for the study of mental diseases.

Appointments.—A Resident Surgeon and a Resident Physician are appointed annually; they receive a salary, and hold office for one year. Twelve Resident Clinical Clerks are appointed four times a year, and provided with furnished apartments, fuel, etc. These appointments are open not only to students of the hospitals, but also to qualified and unqualified students of other hospitals.

Further information can be obtained from the Honorary Secretary, R. Travers Smith, M.D., 20, Lower Fitzwilliam Street, or the Treasurer, Sir William Thomson, C.B., 54, St. Stephen's Green East, Dublin.

ADELAIDE MEDICAL AND SURGICAL HOSPITALS.

The hospitals contain 140 beds. A House-Surgeon and Physician, resident and salaried, is appointed yearly, and four resident pupils are selected half-yearly.

Further particulars may be obtained from Mr. F. T. Heuston, 15, St. Stephen's Green North, Dublin, or any of the members of the medical staff.

ROYAL CITY OF DUBLIN HOSPITAL.

This hospital, in addition to the general Medical and Surgical Wards, contains special wards for Ophthalmic and Aural Cases, Diseases of Women, and Diseases of Children. There is also an isolated building for the reception of infectious cases. An entirely new operation theatre has been constructed in accordance with the most modern surgical requirements. Roentgen-ray and Lupus Lamp Departments have been installed.

Appointments.—Clinical Clerks to the Physicians and Dressers to the Surgeons are appointed from the most deserving of the class, and certificates awarded for the faithful performance of their duties. Medical and Surgical Resident Pupils are appointed, and special certificates awarded if merited. A Resident Medical Officer is appointed annually.

For further particulars application should be made to the Honorary Secretary of the Medical Board at the Hospital.

MATER MISERICORDIAE HOSPITAL.

This Hospital, established in 1861, now contains 345 beds. In addition, there is a Convalescent Home at Beaumont, Drumcondra. There are special departments for Gynaecology, Ophthalmic Surgery, Diseases of the Throat and Nose, Diseases of Skin, Medical Electricity, Dentistry, and Pathology. Two House-Physicians, six House-Surgeons, and sixteen Resident Pupils are elected annually.

A prospectus containing in detail the arrangements for clinical instruction, prizes, etc., may be obtained from the Secretary of the Medical Board at the Hospital.

MERCER'S HOSPITAL.

This is situated in the centre of Dublin, in the immediate vicinity of the Schools of Surgery of the Royal College of Surgeons, the Catholic University School of Medicine, and within five minutes' walk of Trinity College. It contains 120 beds for medical and surgical cases, and arrangements have been made with the medical officers of Cork Street Fever Hospital whereby all students of this hospital are entitled to attend the clinical instruction of that institution, and become eligible for the posts of Resident Pupils, etc. There is a large Out-Patient Department, and a special department for Diseases Peculiar to Women. There are also special wards for the treatment and study of children's diseases. During the past few years the hospital has undergone extensive alterations in order to bring it up to modern requirements.

Appointments.—A House-Surgeon is appointed annually. Five Resident Pupils, each for six months, and Clinical Clerks and Dressers are appointed monthly from amongst the most deserving members of the class.

Fees.—Winter, six months, £8 8s.; summer, three months, £5 5s.; nine months, £12 12s.

Further particulars can be obtained from the Honorary Secretary of the Medical Board.

DR. STEEVENS'S HOSPITAL.

This hospital, situated at Kingsbridge and containing over 200 beds, affords exceptional advantages for clinical

instruction. Owing to its position amongst manufactories and railway works a large number of casualties are always under treatment, while there are to be found occupying its beds at all times numerous cases of acute and chronic medical and surgical disease. There is a ward entirely devoted to venereal diseases, and a detached building for fever cases, and a newly-built extensive general out-patient department, with separate clinics for diseases of the eye and ear, skin, throat, teeth, and diseases of women, daily opportunity being afforded to students to become thoroughly familiar with the modern appliances used in diagnosis and treatment of disease. A new and well-appointed receiving room for accidents has recently been added. There is also a fully-equipped X-ray Department and a fully-furnished Pathological Laboratory. General operations are performed on Tuesday, Thursday, and Saturday, and Gynaecological operations on Wednesday. The hospital accommodates four medical, six surgical, and two specialist (Gynaecology and Ophthalmology) resident pupils, who are provided with separate furnished rooms, with coal and gas. There is a comfortable common sitting-room for meals, which can be obtained at a reasonable rate.

Fees.—Hospital practice, nine months, 12 guineas; six months, 8 guineas; three months, 5 guineas; Residence: Each three months, 10 guineas, which includes fee for hospital practice and certificate.

A prospectus may be obtained from the Resident Surgeon, or the Honorary Secretary to the Medical Staff.

MEATH HOSPITAL AND CO. DUBLIN INFIRMARY.

This Hospital was founded in 1753, and now contains 160 beds available for clinical teaching. A building containing 40 beds for the isolated treatment of fevers is attached to the Hospital. The Certificates of this Hospital are recognized by all the universities and licensing bodies of the United Kingdom. Six Medical Clinical Clerks and twelve Surgical Resident Pupils and Dressers are appointed every six months, and a House-Surgeon and two Clinical Assistants are elected annually. The session opens on October 1st. A prospectus giving the complete arrangements for the Medical and Surgical Classes for the coming session may be obtained from the Honorary Secretary of the Medical Board at the Hospital.

THE ROTUNDA HOSPITAL.

This institution consists of two distinct hospitals, and is the largest Maternity as well as Gynaecological Hospital in the British Empire. Over 2,000 patients are admitted annually to the maternity wards, and a larger number of cases of confinement are attended at the patients' own homes, whilst over 14,000 patients are attended in the out-patient department. A Pathological Laboratory is one of the important features of the hospital. The clinical instruction given includes daily lectures and practical demonstrations in Midwifery, Gynaecology, and Cystoscopy. A diploma is granted to pupils on their passing an examination after a period of six months' attendance on the practice of the hospital. Paid clinical clerks are selected (by examination) from amongst qualified men who have obtained the hospital diploma. The residential quarters have within the last few years undergone complete renovation, and afford comfortable accommodation. The grounds of the hospital contain asphalt and grass courts for lawn tennis and croquet. Pupils can enter at any time for a period of one month or longer. The hospital offers exceptional opportunities for qualified practitioners of any nationality who desire to take out a course of post-graduate instruction.

Fees.—Intern pupils: Six months, £21; three months, £12 12s.; two months, £9 9s.; one month, £6 6s. Extern pupils: Six months, £10 10s.

ROYAL VICTORIA EYE AND EAR HOSPITAL.

This hospital, situated in Adelaide Road, Dublin, is an amalgamation of two institutions which formerly gave special instruction in ophthalmology separately—namely, St. Mark's Ophthalmic Hospital and the National Eye and Ear Infirmary. The combined institution, which was opened in February 1904, contains 82 beds. Clinical instruction in diseases of the eye, including the use of the ophthalmoscope, is given daily, and students attend the operations, which are performed as occasion requires. Instruction in aural surgery is also given. Special classes for

practical instruction in the use of the ophthalmoscope, etc., and for the demonstration of cases, are formed from time to time.

CLINICAL HOSPITALS IN ENGLAND.

THERE are a great many hospitals in the United Kingdom which, though not connected with any medical school, open their doors either to those who have yet to become qualified, to those who are doing post-graduation work, or to both. The facilities they offer for gaining practical clinical experience is very great, and these should not be overlooked by such students of any of the classes mentioned. Their honorary staffs commonly make a point of giving what instruction opportunity offers; and at those which are situated in the larger towns there are often appointments as clinical assistants to be obtained. In addition, they all have to offer, at shorter or longer intervals, resident appointments in the way of resident medical officerships, house-physicianships, and house-surgeoncies. These are usually paid appointments, which may be held for periods varying from six months to a year. Notices of the vacancies as they occur appear in our columns, and there is rarely any lack of candidates, since the holder is in a particularly favourable position for gaining either general or special experience. An account of some which are situated in London and the provinces here follows, reference to those in large medical centres other than London being made in the accounts given of the Medical Schools in Scotland, Ireland, and the provinces respectively.

LONDON.

GENERAL HOSPITALS.

Great Northern Central Hospital, Holloway Road, N.—This hospital is recognized by the Examining Board in England of the Royal Colleges of Physicians and Surgeons as a place of study during the fifth year of the medical curriculum. The hospital contains 162 beds, all of which are at present occupied. The large rectangular and circular wards, each of which contains 20 beds and 4 cots, the operation theatre, and an additional out-patient department, general and special, and the pathological departments, have all been erected since 1887. A second operation theatre and a new surgery block containing two observation wards, patients' waiting hall, examining rooms, and surgery proper, were opened in 1906. An electrical department has been recently opened and a children's ward is now being arranged for. Medical practitioners are invited to attend the general and special practice of the hospital. Clinical Assistants (qualified), Clinical Clerks, and Pathological Clerks are appointed in the general and special departments, and may receive certificates at the end of their terms of office. There are five Resident Medical Officers, one Senior and two Junior House-Surgeons, Senior and Junior House-Physicians, also Pathologist, Registrar, Casualty Officer, and four Anaesthetists. Full particulars concerning these appointments can be obtained from the Honorary Secretary of the Medical Committee. A course of clinical demonstrations is given during the winter months. Owing to the recent development of tube railways and electric trams the Hospital is now one of the most accessible in London.

London Temperance Hospital.—The Hospital contains 100 beds. The medical and surgical practice is open to students and practitioners. There are several appointments (vacancies in which, when they occur, are advertised in the JOURNAL). The principal are those of Surgical and Medical Registrars, Pathologist and Bacteriologist, Anaesthetist, Radiographer, Resident Medical Officer, one Assistant Resident Medical Officer and Assistant House-Surgeon. For particulars as to hospital practice and classes apply at the hospital.

Seamen's Hospital Society.—Dreadnought Hospital, Greenwich, 250 beds. Branch Hospital, Royal Victoria and Albert Docks, 50 beds. Dispensary in the East India Dock Road, and at Gravesend. Reference to the opportunities which these institutions afford for general clinical study and for obtaining special instruction in the diseases of tropical climates will be found at pages 675 and 677 respectively.

West London Hospital.—This hospital possesses some 160 beds, and, besides having a large out-patient department, the work of which is subdivided among the different