Eightieth Annual Announcement: Jefferson Medical College of Philadelphia and Its Hospital - Session of 1904-1905, Register of Students for 1903-1904
Eightieth Annual Announcement

JEFFERSON MEDICAL COLLEGE
of PHILADELPHIA and ITS HOSPITAL

Session of 1904-1905

Register of Students for 1903-1904
CALENDAR

1904

April 25th . . . . . . . Registration for Reserved Seats. Book Opened This Day. Students must deposit $10 in Breakage Fund by October 1st, or forfeit the registration.

June 11th . . . . . . . Examination for Entrance.

September 24th . . . . . . . Examination for Entrance.

September 26th . . . . . . . Regular Session Begins. Introductory Address, 8 p.m.

October 7th . . . . . . . Entrance Examination.

November 1st . . . . . . . Election Day; Holiday.

November 24th . . . . . . . Thanksgiving Day; Holiday.

December 17th . . . . . . . Christmas Recess Begins, 6 p.m.

1905

January 3d . . . . . . . College Work Resumed, 9 a.m.

January 18th . . . . . . . Second Term Begins.

February 13th . . . . . . . Lincoln's Birthday; Holiday.

February 22d . . . . . . . Washington's Birthday; Holiday.

April 21st and 22d . . . . Easter Recess.

May 1st . . . . . . . Registration for Next Session.

June 1st . . . . . . . Annual Business Meeting Alumni Association.

June 1st . . . . . . . Annual Dinner.

June 2d . . . . . . . Annual Commencement.

BOARD OF TRUSTEES.

Hon. William Potter,
President.

Hon. Simon Gratz,
Secretary.

Edward H. Weil,
Treasurer.

Hon. Simon Gratz,
Edward H. Weil,
Sutherland M. Prevost,
Hon. William Potter,
Joseph De F. Junkin,
Hon. Samuel Gustine Thompson,
Daniel Baugh,
Edward I. Smith,
Hon. Mayer Sulzberger, LL.D.,
Charles C. Townsend,
Daniel Moreau Barringer,
Alba B. Johnson.
OFFICERS OF THE COLLEGE

FACULTY *

WILLIAM THOMSON, M.D., Emeritus Professor of Ophthalmology, No. 1426 Walnut Street.

JAMES W. HOLLAND, M.D., Dean and Professor of Medical Chemistry and Toxicology, Jefferson Medical College, Tenth and Walnut Streets.

HENRY C. CHAPMAN, M.D., Professor of Institutes of Medicine and Medical Jurisprudence, No. 2047 Walnut Street.

JOHN H. BRINTON, M.D., LL.D., Professor of the Practice of Surgery and of Clinical Surgery, No. 1423 Spruce Street.

WILLIAM S. FORBES, M.D., Professor of General, Descriptive and Surgical Anatomy, No. 901 Pine Street.

H. A. HARE, M.D., Professor of Materia Medica and Therapeutics, No. 1801 Spruce Street.

WILLIAM W. KEEN, M.D., LL.D., F.R.S. (Hon.), Professor of the Principles of Surgery and Clinical Surgery, No. 1729 Chestnut Street.

W. JOSEPH HEARN, M.D., Professor of Clinical Surgery, No. 1120 Walnut Street.

HENRY W. STELWAGON, M.D., Professor of Dermatology, No. 1634 Spruce Street.

H. AUGUSTUS WILSON, M.D., Professor of Orthopedic Surgery, No. 1611 Spruce Street.

EDWIN E. GRAHAM, M.D., Professor of Diseases of Children, No. 1713 Spruce Street.

ORVILLE HORWITZ, M.D., Professor of Genito-Urinary Diseases, No. 1721 Walnut Street.

S. MacCUEN SMITH, M.D., Professor of Otology, No. 1700 Walnut Street.

D. BRADEN KYLE, M.D., Professor of Laryngology, No. 1517 Walnut Street.

ALBERT P. BRUBAKER, M.D., Professor of Physiology and Hygiene, No. 105 North 34th Street.

SOLOMON SOLIS-COHEN, M.D., Professor of Clinical Medicine, No. 1525 Walnut Street.

HONORARY, ASSOCIATE AND ASSISTANT PROFESSORS

J. SOLIS-COHEN, M.D., Honorary Professor of Laryngology, No. 1824 Chestnut Street.

JOHN H. GIBBON, M.D., Associate Professor of Surgery.

ADDINELL HEWSON, M.D., Assistant Professor and Demonstrator of Anatomy.

E. QUIN THORNTON, M.D., Assistant Professor of Materia Medica.

JOHN M. FISHER, M.D., Assistant Professor of Gynecology.

RANDLE C. ROSENBERGER, M.D., Assistant Professor of Bacteriology, and Curator of the Museum.

LECTURERS AND ASSOCIATES

STRICKER COLES, M.D., Clinical Lecturer on Obstetrics.

H. E. RADASCH, B.S., M.D., Associate in Histology and Embryology.

ALLER G. ELLIS, M.D., Associate in Pathology.

* Names are arranged in the Faculty list, with the exception of the Dean and Emeritus Professors, on the basis of seniority of appointment.
DEMONSTRATORS

J. TORRANCE RUGH, M.D., Demonstrator of Orthopedics.
GEORGE W. SPENCER, M.D., Demonstrator of Surgery.
WILLIAM H. WELLS, M.D., Demonstrator of Clinical Obstetrics.
WARD BRINTON, M.D., Demonstrator of Physical Diagnosis.
JAY C. KNIFE, M.D., Demonstrator of Osteology.
H. R. LOUX, M.D., Demonstrator of Fracture Dressings and Dislocations.
MAX BOCHROCH, M.D., Demonstrator of Nervous Diseases.
STRICKER COLES, M.D., Demonstrator of Obstetrics.
JOHN C. DA COSTA, Jr., M.D., Demonstrator of Clinical Medicine.
FREDERICK JOHN KALTEYER, M.D., Demonstrator of Clinical Medicine.
JOSEPH P. BOLTON, M.D., Demonstrator of Chemistry.
JOHN FUNKE, M.D., Demonstrator of Morbid Anatomy.
D. G. METHENEY, M.D., L.R.C.P. & S.E., Demonstrator of Syndesmology.
E. RUSSELL KENNEDY, M.D., Demonstrator of Pharmacy and Materia Medica.

PROSECTOR

THOMAS COOK STELLWAGEN, Jr., M.D., D.D.S., Prosector and Assistant Curator.

INSTRUCTORS AND ASSISTANT INSTRUCTORS

EMMANUEL J. STOUT, M.D., Instructor in Dermatology.
E. L. KLOPP, M.D., Instructor in Otology.
C. W. HOOPES, M.D., Instructor in Otology.
W. M. SWEET, M.D., Instructor in Ophthalmology.
A. B. KIRKPATRICK, M.D., Instructor in Laryngology.
G. BARINGER SLIFER, M.D., Instructor in Laryngology.
B. L. GORDON, M.D., Instructor in Obstetrics.
WILLIAM C. PICKETT, M.D., Instructor in Insanity and Neuro-Pathology.
ALFRED GORDON, M.D., Instructor in Nervous Diseases.
GEORGE A. ULRICH, M.D., Instructor in Clinical Obstetrics.
GEORGE B. ANGLE, M.D., Instructor in Clinical Obstetrics.
L. F. APPELMAN, M.D., Instructor in Therapeutics.
HOWARD DEHONEY, M.D., Assistant Demonstrator in Anatomy.
J. KINNIER CRAWFORD, M.D., Assistant Demonstrator of Anatomy.
F. HURST MAIER, M.D., Assistant Demonstrator of Gynecology.
COLLIN FOULKROD, M.D., Assistant Demonstrator of Gynecology.
D. GREGG METHENEY, M.D., Assistant Demonstrator of Surgery.
JAMES W. McINTOSH, M.D., Assistant Instructor of Bandaging.
W. J. ROE, M.D., Assistant Demonstrator of Anatomy.
FRANCIS D. PATTERSON, M.D., Assistant Demonstrator of Surgery.
W. P. HEARN, M.D., Assistant Demonstrator of Surgery.
A. B. CRAIG, M.D., Assistant Demonstrator of Surgery.
W. F. MANGES, M.D., Assistant Demonstrator of Surgery.
C. D. S. FRUH, M.D., Assistant Demonstrator of Anatomy.
ROBERT H. BRACE, M.D., Assistant Demonstrator of Anatomy.
A. B. CRAIG, M.D., Assistant Demonstrator of Anatomy.
W. G. EISENHARDT, M.D., Assistant Demonstrator of Anatomy.
J. G. SCHWARTZ, M.D., Assistant Demonstrator of Anatomy.
N. R. INGRAHAM, M.D., Assistant Demonstrator of Anatomy.
EDWARD H. GREEN, M.D., Assistant Demonstrator of Anatomy.
CHARLES S. HIRSCH, M.D., Assistant Demonstrator of Anatomy.
W. P. HEARN, M.D., Assistant in Bandaging.
ALFRED HEINEBERG, M.D., Assistant Demonstrator of Gynecology.
C. S. BARNES, M.D., Assistant Demonstrator of Gynecology.
L. F. APPELMAN, M.D., Assistant Demonstrator of Materia Medica.
A. ALONZO SARGENT, M.D., Assistant Demonstrator of Histology and Embryology.
T. J. BUCHANAN, M.D., Assistant Demonstrator of Visceral Anatomy.
C. H. HUNSICKER, M.D., Assistant Demonstrator of Fracture Dressing.
ARTHUR DARE, M.D., Assistant Demonstrator of Clinical Medicine.
GEORGE VINCENT RIDLEY, Assistant in Morbid Histology and Bacteriology.
ORLANDO H. PETTY, B.S., Assistant in Bacteriology.
P. BROOK BLAND, M.D., Instructor in 3d year Gynecology.
D. R. MacCARROLL, M.D., Instructor in Clinical Obstetrics.
ROBERT CASPERSON, M.D., Instructor in External Diseases of the Eye.
WENDELL REBER, M.D., Instructor in Ophthalmoscopy.
C. W. LEFEVRE, M.D., Instructor in Errors of Refraction.
GEORGE F. DOYLE, Assistant in Histology and Embryology.
SAMUEL A. MUMFORD, A.B., Assistant in Histology and Embryology.
ALEXANDER J. ORENSTEIN, Assistant in Histology and Embryology.
C. H. LEFCOWITCH, M.D., Instructor in Pediatrics.
R. REESER, M.D., Instructor in Pediatrics.
T. J. SMYTH, M.D., Assistant Demonstrator of Anatomy.
ALLEN G. ELLIS, M.D., Instructor in Hematology.
R. E. MULLER, M.D., Instructor in Pediatrics.
C. FOULKROD, M.D., Instructor in Obstetrics.
A. J. COHEN, M.D., Instructor in Obstetrics.
WALTER H. BROWN, Assistant in Chemistry.
JAMES BEEBE, Assistant in Chemistry.
HENRY G. GODFREY, M.D., Assistant Demonstrator of Clinical Medicine.
ARCHIBALD H. GRAHAM, M.D., Assistant Demonstrator of Clinical Medicine.
ARTHUR DARE, M.D., Assistant Demonstrator of Physical Diagnosis.
FRANCIS F. BORZELL, Assistant in Physiology.
ERNST H. MAIER, Assistant in Physiology.
HOSPITAL STAFF

JOSEPH S. NEFF, M.D., President and Medical Director.

D. BRADEN KYLE, M.D., Secretary.

JOHN H. BRINTON, M.D., LL.D., Professor of Practice of Surgery and of Clinical Surgery.

J. SOLIS-COHEN, M.D., Honorary Professor of Laryngology.

JAMES C. WILSON, M.D., Professor of Medicine and Clinical Medicine.

JOHN C. DA COSTA, M.D., Gynecologist.

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H. A. HARE, M.D., Professor of Materia Medica and Therapeutics.

H. AUGUSTUS WILSON, M.D., Professor of Orthopedic Surgery.

HENRY LEFFMAN, M.D., Pathological Chemist.

E. E. MONTGOMERY, M.D., Professor of Gynecology.

EDWIN F. GRAHAM, M.D., Professor of Diseases of Children.

F. X. DERCUM, M.D., Professor of Nervous and Mental Diseases.

ORVILLE HORWITZ, M.D., Professor of Genito-Urinary Diseases.

W. M. L. COPLIN, M.D., Professor of Pathology (Director of Hospital Laboratories).

HOWARD F. HANSELL, M.D., Professor of Ophthalmology.

EDWARD P. DAVIS, M.D., Professor of Obstetrics.

S. MACCUEN SMITH, M.D., Professor of Otolaryngology.

D. BRADEN KYLE, M.D., Professor of Laryngology, and Secretary.

J. CHALMERS DA COSTA, M.D., Professor of Principles of Surgery and Clinical Surgery.

SOLOMON SOLIS-COHEN, M.D., Professor of Clinical Medicine.

RANDLE C. ROSENBERGER, M.D., Bacteriologist.

G. W. SPENCER, M.D., Assistant Surgeon.

M. H. BOCHROCH, M.D., Assistant Neurologist.

STRICKER COLES, M.D., Assistant Obstetrician.

J. M. FISHER, M.D., Assistant Gynecologist.

A. B. KIRKPATRICK, M.D., Assistant Laryngologist.

E. C. KLOPP, M.D., Assistant Aurist.

J. C. DA COSTA, JR., M.D., Assistant Physician.

F. J. KALTEYER, M.D., Assistant Physician.

F. T. STEWART, M.D., Assistant Surgeon.

H. R. LOUX, M.D., Assistant Genito-Urinary Surgeon.

J. T. RUGH, M.D., Assistant Orthopedist.

E. J. STOUT, M.D., Assistant Dermatologist.

W. M. SWEET, M.D., Assistant Ophthalmologist.

C. A. VEASEY, M.D., Assistant Ophthalmologist.

WARREN J. MILLER, Assistant Laryngologist.

CHARLES LEFCOWITCH, M.D., Assistant Pediatrist.

S. A. S. METHENEY, M.D., Skiagraphist.

RESIDENT PHYSICIANS


Superintendent of the Hospital, GEORGE BAILEY, JR. Directress of Training School, MISS SUSAN C. HEARLE. Matron, MRS. SCHLECHT.

OUT-PATIENT STAFF

MEDICAL

JOHN C. DA COSTA, JR., M.D., FRED. J. KALTEYER, M.D., Chief Clinical Assistants.

Assistants.—ARCHIBALD H. GRAHAM, M.D., ARTHUR DARE, M.D., WARD BRINTON, M.D., H. G. GODFREY, M.D., D. R. MCCARROLL, M.D.

SURGICAL

GEORGE W. SPENCER, M.D., FRANCIS T. STEWART, M.D., Chief Clinical Assistants.

J. COLES BRICK, M.D., Clinical Assistant in charge of Rectal Clinic.

W. J. ROE, M.D., Clinical Assistant in charge of Clinic for Diseases of the Mouth.

E. HARVEY WIGGINS, M.D., J. W. MACINTOSH, Etherizers.

Assistants.—J. COLES BRICK, M.D., W. P. HEARN, M.D., GEORGE J. SCHWARTZ, M.D., T. J. BUCHANAN, M.D., A. B. CRAIG, M.D., FRANCIS D. PATTERTON, M.D., D. G. METHENY, M.D.

OBSTETRICAL

STRICKER COLES, M.D., Chief Clinical Assistant.

Assistants.—WILLIAM H. WELLS, M.D., CHARLES S. BARNES, M.D., GEORGE A. ANGLE, M.D., D. R. MACCARROLL, M.D., COLLIN FOULKROD, M.D., A. J. COHEN, M.D.

GYNECOLOGICAL

JOHN M. FISHER, M.D., Chief Clinical Assistant.

Assistants.—F. HURST MAIER, M.D., CHARLES S. BARNES, M.D., COLLIN FOULKROD, M.D., ALFRED HEINEBERG, M.D. (Anesthetist) ; P. BROOKE BLAND, M.D., Pathologist and Bacteriologist.
OPHTHALMOLOGICAL

WILLIAM M. SWEET, M.D., CLARENCE A. VEASEY, M.D., Chief Clinical Assistants.
Assistants.—WENDELL REBER, M.D., C. W. LE FEVRE, M.D., ROBERT CASPERSON, JR., M.D., H. D. FRASER, M.D., LOUIS SPITZ, M.D., P. H. MOORE, M.D.
Registrar.—E. E. BELL, M.D.

LARYNGOLOGICAL

ANDREW B. KIRKPATRICK, M.D., WARREN J. MILLER, M.D., Chief Clinical Assistants.
Assistants.—A. A. WEAVER, M.D., G. R. S. CORSON, M.D., J. W. HIRST, M.D., J. LESLIE DAVIS, M.D., CHARLES A. BLAYNEY, M.D., EDWARD C. PECHIN, M.D., J. W. ANDERSON, M.D., J. HOWARD CLOUD, M.D., J. W. FLATLEY, M.D., H. M. SORIN, M.D.
Registrar.—GEORGE DOYLE and J. LICHMANN, M.D.

OTOLOGICAL

E. L. KLOFF, M.D., Chief Clinical Assistant.
Assistants.—J. W. MICHENER, M.D., J. C. KEELER, M.D.
Registrar.—ALEXANDER S. KANTMAN.

ORTHOPEDICAL

J. T. RUGH, M.D., Chief Clinical Assistant.
Assistants.—J. P. BOLTON, M.D., F. E. DOLSON, M.D., T. D. TAGGART, M.D., HARRY HUDSON, JR., M.D.
A. GUSTAV GEFFVERT, Mechanician.
Registrar.—JOHN R. HOSKINS.

DISEASES OF CHILDREN

CHARLES LEFCOWITCH, M.D., Chief Clinical Assistant.
Assistants.—SIMON KIMMELMAN, M.D., R. E. MULLER, M.D.

DERMATOLOGICAL

EMANUEL J. STOUT, M.D., Chief Clinical Assistant.
Assistants.—A. H. READ, M.D., G. H. NOFER, M.D.

NEUROLOGICAL

MAX H. BOCHROCH, M.D., Chief Clinical Assistant.
Assistants.—JOSEPH P. BOLTON, M.D., ALFRED GORDON, M.D., S. F. GILPIN, M.D., WILLIAM PICKETT, M.D., JESSE O. ARNOLD, M.D., GEORGE E. PRICE, M.D., PHILIP A. SHEAFF, M.D., THOMAS B. LEES.
MARY LOUISA POPE Masseuse.

GENITO-URINARY

HIRAM R. LOUX, M.D., Chief Clinical Assistant.
C. S. HIRSCH, M.D., Etherizer.
Assistants.—R. O. KEVIN, M.D., LEO N. GARTMAN, M.D., D. M. BELL, M.D., P. N. BERGERON, M.D.
CHARLES N. HUNSICKER, M.D., Bacteriologist.
Registrar.—J. B. HORINESTEIN, M.D.
THE NEW MEDICAL HALL.

The inauguration of the graded four years’ course created a requirement for new buildings. Therefore the new Medical Hall has been erected, providing four lecture rooms, besides recitation rooms and laboratories.

The new hall is fireproof and modern in construction. It is at the corner of Walnut and Tenth Streets, with a front on Walnut of one hundred and eighteen feet. The situation has been chosen as the best for the purpose, because its central location insures a constant supply of clinical material at the dispensaries and at the hospital, besides having the advantage of nearness to the Pennsylvania Hospital. The side is joined to the new laboratory building, thus extending one hundred and eight feet on Tenth Street and one hundred and eighteen feet on Moravian Street. Between the two buildings is a large light well, and along the entire length of the building stretches a wide skylight, which, with the three surrounding streets, gives an abundance of light. The entrance on Walnut Street admits to a tile-floored vestibule hall, lobby for the main stairs and passenger elevator. The basement is occupied mainly by rooms devoted to the recess hours of the students—i.e., a lavatory, rooms for billiards, for reading and smoking and for storage of bicycles. The first floor contains a reception room for visitors, the clerk’s room, with telephone communication to the public wires and to different floors; the Dean’s office, Trustees’ room, library fully supplied with the newest medical books and periodicals, kitchen and pantry for receptions, recitation rooms, professors’ private rooms, first story of the lower amphitheater, and a room for students’ lockers. The second floor has a large museum newly equipped by the donation of a warm friend of the College. It stores in the best manner for study the great collection of the late Professor Samuel D. Gross, of the late Professor Parvin, of the late Professor Da Costa, and a large collection of models preparations and specimens. On the second floor also is a laboratory for the study of Morbid Anatomy and the second story of the lower amphitheater. The third floor is occupied by a large lecture hall, brilliantly lighted, connecting with a chemical apparatus room; a small lecture hall, with large windows and having communication with the private room of the Professor of Physiology, the apparatus room and the laboratory of Physiology. The fourth floor completes the upper part of the two lecture halls and provides a laboratory for instruction in bandaging and obstetric manipulations and a storage room. The fifth floor is occupied by the first story of the amphitheater, the dissecting room, two stories high, unusually well lighted by two tiers of windows and a skylight extending the whole length of the room; the laboratory for operative surgery, four private rooms for professors and prosector, and a locker room for students. The sixth floor is occupied by the upper story of the amphitheater, the dissecting room, incinerating furnace and bone library. Almost every floor has a lavatory.

The system for heating and ventilation embodies the latest principles and is entirely adequate. By means of a filtration plant of the latest construction and of large capacity the entire water supply of the College and of the Hospital is filtered.

THE NEW LABORATORY BUILDING.

The College has ten large laboratories for students and seventeen smaller private rooms for individual research. Most of these are provided for in the structure which adjoins the medical hall, and are directly connected with it. In the basement are the boilers, engines and two dynamos for the heating and ventilation plant, for the two elevators and for the refrigerating apparatus which keeps the cold storage room at a low temperature for preserving subjects without immersion in brine. The first floor is occupied by a laboratory of pharmacy, and a room used for recitations and for the students’ societies. The second floor is occupied by a laboratory of medical chemistry and toxicology, a pharmacy storage room and two private rooms for research by professors. The third floor provides a laboratory for physiology, a chemical storage room, a chemical preparation and weighing room. The fourth floor has a laboratory for normal histology, a room for storage and two private rooms for pathological research. The fifth floor has a laboratory for pathological histology, a room for storage and one for the demonstrator of anatomy. On the sixth floor are the laboratory of bacteriology, the operating room and the private room for pathologic research.

All the students’ laboratories are lighted by windows on three sides, besides incandescent electric lights; have individual desks and outfits entirely under control of the student while working. The equipment was provided in part by funds subscribed by the Alumni. It has, among other notable features, one hundred and fifty microscopes of the most recent make, a complete outfit for electric lantern projection, and one for photography, besides the microtomes, models and other apparatus required for thorough study.

THE HOSPITAL

The Hospital of the Jefferson Medical College provides a wealth of clinical material seldom equalled. It contains beds for 140 patients, which are constantly filled, and in the out-patient departments over 338 cases are treated daily. In the out-patient service there were
treated in 1903: Surgical Diseases, including cases in the special clinics, Gynecological, Ophthalmological, Laryngological, Aural, Genito-Urinary and Orthopedic, 90,632 cases; Medical diseases, including cases in the special clinics, Neurological, Dermatological, and for children, 18,284 cases. These, and 743 obstetric cases, added to 2085 patients treated in the wards, and the accident cases, make in all 111,744 cases treated in 1903. The grand total of the work for twenty-five years is 1,696,503 consultations.

During the last year 3501 accident cases were treated.

In addition to the rooms in which the classes are taught in sections, and in which they have the opportunity of examining cases, and are instructed in clinical medicine and other practical branches, there is a large amphitheater capable of seating nearly 800 students.

THE NEW JEFFERSON HOSPITAL.

There is now in course of erection a new Hospital for the College upon the site of the old College buildings, extended by demolishing a number of neighboring structures. It will embody all the latest ideas for heating, ventilation and disinfection, and provide every facility for clinical instruction in the wards to sections of convenient size. It will be absolutely fire-proof, six stories in height, with a basement and roof garden. The basement will contain the power plant, X-ray room, incinerating plant and post-mortem and disinfecting rooms. The administration offices and receiving wards will be on the first floor, while on the second floor will be the men's department, with a surgical ward, operating-rooms, medical ward, dining-rooms, quiet-rooms, baths, etc. The women's department, similarly arranged, will occupy the third floor. On the fourth floor will be the children's ward, while on the fifth there will be 29 private bedrooms, drugrooms, diet kitchens, etc. The sixth floor will contain dining-rooms, private rooms, storage-rooms, etc. The cost will aggregate $850,000.

THE MATERNITY DEPARTMENT.

The Maternity Department is in a separate building at 224 South Seventh Street. Here bedside instruction in Midwifery is given to each member of the graduating class. During 1903 there were 743 new obstetric cases, and 552 children under treatment.

TRAINING SCHOOL FOR NURSES.

In connection with the Hospital a Training School for Nurses is maintained, from which pupil nurses can be had at $14 per week by application at the Hospital.

A Nurse's Home has been established at 226 South Seventh Street, where the nurses have commodious lodgings.

THE WOMEN'S AUXILIARY OF JEFFERSON MEDICAL COLLEGE is composed of a committee of ladies having charge of the College Library. They raise funds to purchase books and pay the salary of the librarian, who is constantly in attendance. The library is well equipped with books of reference and text books and also the leading medical journals of this country and Europe.

Students desiring the use of the library must sign an application giving name and address and will then receive a library card. Not being a circulating library, a deposit is required when books are taken out over night. So much is the library appreciated that about 100 books are consulted every day by the students.

COURSE OF INSTRUCTION.

THE REGULAR LECTURES.

The regular session begins with an introductory address on September 26th.

The regular course is a graded four years' curriculum at college. It is so arranged that the student is trained in both the fundamental and practical branches of medicine. The instruction consists of didactic lectures and recitations, laboratory work, clinical lectures, ward classes and practical demonstrations by the professors and instructors in each branch.

Didactic Lectures and Recitations are given in the Medical Hall, on Practice of Medicine, Surgery, Obstetrics, Gynecology, Materia Medica and Therapeutics, Ophthalmology, Neurology, Chemistry, Physiology, Pathology, including Post-mortem Examinations, Bacteriology, Anatomy, Medical Jurisprudence and Hygiene. Recitations are held in each branch. In the laboratories special instruction is given in Physiology, Chemistry, Pharmacy, Pathology, Morbid Anatomy, Bacteriology, Hematology, Histology and Embryology, Dissections, and Major and Minor Surgery, with bandaging.

Work in the Hospital consists in clinics on Medicine, Surgery, Obstetrics, Gynecology, Ophthalmology, Laryngology, Dermatology, Diseases of Children, Orthopedics, Neurology, Genito-Urinary Diseases and Otology, and in sections and small ward classes taken to the bedside or to various special dispensaries and the private operating rooms.

REQUIREMENTS FOR ADMISSION.

To be matriculated the student must exhibit to the Dean (by mail or otherwise): First. A certificate of good moral character signed
by two physicians of good standing in the State in which the applicant last resided. Second. His diploma or certificate upon which he expects to be accredited for admission to the Freshman Class or to advanced standing. If these are approved by the Dean the student pays the fee of $5; his name is registered as a student and he receives a matriculation ticket.

To be admitted to the Freshman Class the applicant must show a diploma or certificate from a reputable college granting the degree of A.B., B.S., or equivalent degree; a diploma from a normal school established by State authority or a high school of the first grade; a medical student's certificate issued after an equivalent examination by a State Board;* a student's certificate of examination for admission to the Freshman Class of a reputable literary or scientific college; or a certificate of his having passed an examination conducted by certified examiners appointed by the State Superintendent of Public Instruction, or by members of the Faculty of a literary college, or by the College Examination Board of the Middle States.

The examination will include four "electives" in addition to the branches "required" as a minimum by the Medical Council of Pennsylvania, namely:

**LANGUAGE.**

1. **Englisch Grammar,**—including analysis of easy sentences, and Composition.
   - As in Reed and Kellogg's Advanced lessons in English.

2. **Latin,**—grammar, exercises, vocabulary, translations; and the reading and the translating of at least twenty-five chapters (Book 1) of CEsar's Commentaries.
   - As in Bennett's Foundations of Latin; and any standard edition of CEsar.

**HISTORY.**

1. **History of the United States,**—geography of North America; the most important discoveries and settlements; the struggle of European nations for mastery in America; the Revolution; the forms of government to the adoption of the Constitution inclusive; the leading events under the successive administrations; the Civil War,—causes, important campaigns, result; the general development of our country in extent, population, industries and power.

2. **Civil Government,**—the general principles of our government; the general plan and the main provisions of the Constitution.
   - As in McMaster's School History of the United States.

**MATHEMATICS.**

1. **Arithmetic,**—including the fundamental operations, fractions, decimals, compound numbers, percentage, interest, square and cube root, metric system, and mensuration.
   - As in Brooks's Standard Arithmetic.

2. **Algebra,**—including the fundamental operations, factoring, fractions, simple equations of one or more unknowns.
   - As in Wentworth's Elements of Algebra.

**SCIENCE.**

1. **Physics** (elementary),—matter and its general properties, mechanics of solids and liquids; air heat, sound, light.
   - As in Cooley's Elements of Physics.

In addition to these "required" studies a qualification is demanded upon four more either by certificate or by examination. The four additional studies may be chosen by the student from the following list, each study to be the equivalent of one year's work in high school or college: Plane Geometry, as given in Wentworth's or Wells' Geometry; English or Greek and Roman or General History, one year; English Literature, one year; Rhetoric, one year; German, one year; French, one year; Latin (Cesar, Virgill or Cicero), second year's work; Physiology, one year; Chemistry, one year; Botany, one year; Zoology, one year; Physical Geography, one year.

The committee in charge of the examinations in Philadelphia consists of the State Superintendent of Public Instruction and Edgar A. Singer and Charles Henry Kain, assistant superintendents of the schools of Philadelphia.

The committee in charge of the examination at Pittsburg consists of the State Superintendent of Public Instruction and City Superintendent John Morrow and Professor George W. Kratz, principal of the Franklin School.

An applicant whose credentials do not fully meet the requirements outlined above, must pass the entrance examination on the branches in which he is deficient before one of the above-named examiners.

**RULES FOR ADMISSION TO ADVANCED STANDING.**

College graduates in Arts or Science, who during their college course have devoted the stated number of hours to the study of the following branches, or equivalent subjects bearing upon the science of medicine, and have passed examinations in them: Anatomy, Human and Mammalian, 288 hours; Biological Sciences, including Histology and Em-
have passed all but two of the required examinations of the year when the session closes. If he does not pass the remainder at the examination in October he may continue with his class as a conditioned student for that one session only, and must be free of conditions when the session closes. If he does not get clear of these conditions by the end of the session, he must repeat the year's work.

No student may become a conditioned or unconditioned member of the Sophomore Class unless he has passed at least all but two of the required examinations of the freshman year when that year closes; nor of the Junior Class unless he has passed all the freshman examinations and in addition all but two of those of the sophomore year when that year closes; nor of the Senior Class unless he has passed all of the freshman and sophomore branches and all but two of the junior year when that year closes.

EXAMINATION FOR THE DOCTORATE.*

The examination for the degree of Doctor of Medicine is held at the close of the term of lectures. It will be conducted by the Faculty—each Professor in his own branch—and will be written, or both oral and written. When a student fails to pass his examination in either Obstetrics, Surgery, or Practice of Medicine at the end of the fourth year, he shall be required to take an examination a second time in all three branches should he again be a candidate for graduation. Students are required to repeat the studies in which they must be examined. Candidates for the Degree of Doctor of Medicine who have failed to pass all the branches required at two examinations will be required, if they stand for a third, to take an examination in all the branches of the entire course. The presentation of a Thesis is not required, unless in competition for a prize. The candidates are examined in turn upon the subjects of the final year, given on page 34.

The candidate for the degree of Doctor of Medicine must present a certificate of good moral character, and be at least twenty-one years of age. He must show that he has attended four courses of medical lectures. The degrees of Bachelor of Arts and Science obtained after preparatory medical studies, will be accepted as the first year of medi-

* To secure recognition by the Examining Boards of the Royal College of Physicians and the Royal College of Surgeons, London, and the Triple Qualification of the Royal College of Physicians and Surgeons of Edinburgh and the Faculty of Physicians and Surgeons of Glasgow, the graduate of Jefferson Medical College must first have passed a recognized Examination in Arts before commencing his professional studies. He must show certificates of preliminary education, of five years of professional study, four of which must have been in this College, or one of equal rank, and exhibit his diploma from this College. The address of the Secretary is Examination Hall, Victoria Embankment, London, W. C., England.
cal study, under conditions stated on page 15. He must have attended at least the final year in this College as a graded student of that year.

A student who fails in the required final examinations in not more than two branches other than Obstetrics, Practice of Medicine, and Surgery, may be re-examined Wednesday, November 2d, 1904; but if he fails in any of these branches he will be debarred this privilege. The successful candidates will receive their diplomas at the Commencement in May, 1905. Meantime they will receive certificates stating that they have passed their examinations and that their diplomas will be conferred at the time stated.

ANNUAL LIMITATION OF RULES AND FEES.

All the above rules, as well as the fees stated below, relate to the year ending June 1st, 1905, only. The right is reserved to make changes in the curriculum, rules of examination, the corps of instructors and all the regulations whenever the College authorities deem it expedient.

Students will be entitled to receive instruction at the current rates in force at the time of their first full course of lectures in this institution for the three consecutive years immediately following.

FEES.

Matriculation, paid once ........................................... $5 00

**Freshman Year.**

Full Course, including Laboratory Work and Dissection ........... $180 00

Use of Anatomical Material, per part ................................ 1 50

**Sophomore Year.**

Full Course, including Laboratories, Dissection and Clinics ....... $180 00

Use of Anatomical Material, per part ................................ 1 50

**Junior Year.**

Full Course, including Laboratory Work and Clinics ............... $180 00

Use of Operative Surgery Material .................................. 1 00

If dissections are taken in this year a fee of $10 is required.

**Senior Year.**

Full Course .......................................................... $180 00

If dissections are taken in this year a fee of $10 is required.

The annual fee is due and payable before October 1st. To secure the tuition at this rate the whole amount, $180, must be paid at the Dean's office before November 1st. If the whole fee is not paid by November 1st the annual fee paid on or after that date will be $185 for that year. Of this $185, at least $95 must be paid before November 1st, and the $90 additional before February 1st. The entire indebtedness of a student must be paid before any examination can be taken.

Fees are not returnable or transferable; under no circumstances are promissory notes accepted as payment; and no ticket is issued until full payment for the same has been made. Students are advised to pay fees by check for the exact amount. Remittances for other expenses are best made by postal money orders, or notes sent by express. The College will not endorse checks for private expenses.

A deposit of $10 is required of all students before their names are entered on the official lists for laboratory work at the College or section work at the Hospital. This deposit will be returned at the close of the session, less the amount charged against it for breakage, for cost of materials, unpaid fees and locker. This deposit must be paid before October 1st.

FEES FOR SPECIAL COURSES.

Any single course of lectures, including laboratory work ........ $30 00

Any practical laboratory or clinical course ........................ $30 00

Any graduate of this College can attend *lectures* without payment of fee, but a fee of $30 will be required for any practical course taken.

DISCIPLINE AND GOOD ORDER.

The faculty expect all students to observe the principles of good conduct and order in the course of their connection with the College; and the faculty will deal with infractions of these requirements by such penalties, including expulsion, as they may deem just, subject to the general power of the Trustees.

THE TRUSTEES' SCHOLARSHIPS.

The Trustees of the Jefferson Medical College have given to the Board of Education of Philadelphia two free scholarships in the College during each period of four years.

These scholarships are open to the members of the graduation classes in the year of graduation in the Boys' Central High School or the Manual Training Schools of Philadelphia who shall have the requisite qualifications for admission.

One of these scholarships was awarded in October, 1901, and the next will be in September, 1904. The award is to be made by the Committee on Scholarships of the Board of Public Education, subject to confirmation by that Board.

THE FRANCIS W. SHAIN SCHOLARSHIPS.

By a bequest of Francis W. Shain, M.D., two scholarships have been created, open to white male graduates of the Boys' Central High School or any of the Manual Training Schools of Philadelphia. Applicants must register with the Dean their names, addresses and certificates of graduation on or before September 10th of the year of graduation.
One of these scholarships will be awarded by competitive examination in 1905 on September 23d, at 10 o'clock a.m. The examination will be on the following-named branches of study, viz.: English Composition (an essay of about three hundred words on a given subject), Higher Grammar, English Literature, Arithmetic, Algebra, Physics and Chemistry; any two of the three following-named languages at the election of the applicants, viz.: Latin, French, German.

The examination may be oral or written; the character and scope of the questions shall be such as will cover the respective branches of study to the extent to which they are taught in the best class of high schools having a four years' course of study.

**CLINICAL INSTRUCTION.**

Clinical teaching has always been an important feature of this College, in which, indeed, systematic clinical methods were first inaugurated in this country.

**CLINICAL MEDICINE.**

The Medical Clinics are held by Professor Wilson or Professor Hare twice a week.

Bedside instruction in Clinical Medicine is also given by Professor Wilson and Professor Hare or their assistants daily at the Hospital to two small sections of the class. The course is illustrated by the ample material of the wards and daily dispensary service. Each student is thus made familiar with practical medicine. Practical instruction in Physical Diagnosis is given to the students of the second and third years at the Jefferson and the Philadelphia Hospitals to sections by the Demonstrators of Clinical Medicine.

**CLINICAL SURGERY.**

The General Surgical Clinic of the Jefferson Hospital is held by Professors Keen, Hearn or Da Costa twice a week. Professor Forbes will give from time to time special clinics upon the surgery of the bladder and prostate gland and the removal of vesical calculi. Instruction is also given to daily ward classes and to small sections of the Senior Class by Drs. George W. Spencer, Francis T. Stewart, J. Coles Brick, T. J. Buchanan, W. J. Roe, J. W. MacIntosh, George J. Schwartz, A. B. Craig, Francis D. Patterson, and D. G. Metheny. Professor Da Costa, Professor Hearn and Professor Horwitz also give instruction in Clinical Surgery in the clinics of the Philadelphia Hospital.

**CLINICAL OBSTETRICS.**

Obstetric clinics are given to the class in sections at the Maternity Department of the Jefferson Hospital, 224 South Seventh Street, by Professor Davis, the Clinical Lecturer, Dr. Stricker Coles, and the Demonstrator of Clinical Obstetrics, Dr. W. H. Wells. In addition, members of the Graduating Class are summoned to witness confinements, and are given practical instruction in obstetrics. Students are also taken to out-patient confinements by the Staff of the Maternity. Professor Davis gives an Obstetric Clinic at the Philadelphia Hospital once weekly during a portion of the term. The Out-Patient Department, under the charge of Dr. W. H. Wells, Demonstrator of Clinical Obstetrics, enables the graduating class to obtain ample practical experience in the houses of patients.

**CLINICAL GYNECOLOGY.**

The course in Clinical Gynecology comprises the General Gynecological Clinic by Professor Montgomery and attendance upon operations and examinations in the Private Operating Room. In addition there is instruction in the wards or in the out-patient department by the demonstrator and the assistant demonstrators.

**CLINICAL DERMATOLOGY.**

The teaching in Clinical Dermatology consists in a weekly clinic by Professor Stelwagon, and instruction in the out-patient department by the Chief of the Clinic and his assistants.

**CLINICAL ORTHOPEDICS.**

The course in Clinical Orthopedic Surgery is composed of a weekly clinic, a weekly recitation for half the session by Professor H. Augustus Wilson and instruction to small sections of the class by the professor and the demonstrator in the out-patient department.

**CLINICAL PEDIATRICS.**

In addition to the general clinic on Children's Diseases by Professor Graham there is instruction in the out-patient department in this branch.

**CLINICAL NEUROLOGY.**

Professor Dercum gives a weekly clinic on Nervous Disease and instruction in Neurology and Insanity is given in the out-patient department or in the wards of the Philadelphia Hospital, which, in addition to its department for nervous diseases, has a large Department for the Insane. Instruction will be given to the class in sections in the electro-therapeutics of nervous disorders.

**GENITOURINARY DISEASES.**

Instruction in this branch is given by Professor Horwitz in the Jefferson Hospital and at the Philadelphia Hospital.

**CLINICAL OPHTHALMOLOGY.**

The Ophthalmological Clinics will be held once a week at the Hospital by Professor Hansell. Practical instruction in Diseases of the
Eye, Ophthalmoscopy and Refraction will be given to fourth-year students in sections by the professor or his assistants, and demonstrations upon animals’ eyes by the demonstrator.

CLINICAL LARYNGOLOGY AND RHINOLOGY.
Professor Kyle gives a clinic on these subjects, and instruction is given to the class in small sections by the Chief of the Clinic and the assistants.

CLINICAL OTOLOGY.
The course of Otology consists of clinical lectures by Professor S. MacCuen Smith and instruction in the treatment of diseases of the ear in the out-patient department.

ADDITIONAL HOSPITAL-TEACHING FACILITIES.
In addition to the facilities for clinical instruction afforded by the large and varied service of the Jefferson Medical College Hospital, the following hospitals provide opportunities for teaching by the various members of the Staff of the College:

The Pennsylvania Hospital is situated in the vicinity of the College. The field for instruction in acute diseases and surgical injuries is very large. The students of Jefferson College, by reason of the proximity of the College to the Hospital and its immense resources for the illustration of all forms of diseases and accidents, have peculiar advantages. Professor J. C. Wilson is a member of the Staff. Clinical lectures are delivered in the amphitheater by members of the Staff.

The Philadelphia Hospital.—This extensive Hospital of 1300 beds, presents a large number and variety of cases for clinical instruction. A number of the Faculty and Instructors of Jefferson Medical College are members of the Staff and utilize their wards and clinics for the daily instruction of the students of the Jefferson College. Professor Coplin and Drs. Ellis and Funke are on the Pathological Staff, Professor Stekel on the Dermatological Staff, Professor Dercum on the Neurological Staff, Professors Da Costa, Hearn and Horwitz on the Surgical Staff, Professor S. Solis-Cohen on the Medical Staff, Professor Davis and Professor J. M. Fisher on the Obstetrical and Gynecological Staff, Professor H. Augustus Wilson on the Orthopedical Staff, and Professor E. E. Graham on the Pediatrical Staff. Dr. Rosenberger is Bacteriologist and director in the clinical laboratories.

St. Joseph’s Hospital.—Professor Montgomery is Gynecologist to this Hospital, Professor J. Chalmers Da Costa is Consulting Surgeon, Drs. Maier and Bland are Assistant Gynecologists. Their classes will have the benefit of their practice there.

German Hospital.—The staff of this Hospital have now made arrangements for clinical teaching, in which the resources of this excellent institution are utilized to the fullest extent. Professor J. C. Wilson is Physician-in-Chief. A clinical Amphitheater, with ample seating capacity, has been recently erected.

Wills Eye Hospital.—This well-known and extensive Hospital is within a convenient distance of the College, and daily clinics are held there.

The Municipal Hospital.—In this institution none but contagious diseases are received. Such third year students as desire it will have opportunities to study the contagious diseases at the bedside.

In all, Philadelphia has 20 hospitals, 9 dispensaries and 38 other charitable institutions with which infirmaries are connected. Almost every special branch of medicine and surgery has its distinct institution, as the Dispensary for Diseases of the Skin, Children’s Hospital and others. Graduates and advanced students desiring to pursue any special branch of medical science have, therefore, ample opportunities afforded them in these various hospitals.

Spring and Summer Courses.—The facilities of the College Laboratories and Hospital clinic will be afforded to practitioners of medicine and undergraduates of this College by the Faculty and instructors during the spring and summer. For particulars, application should be made to the Dean.

LABORATORY COURSES.
The laboratory courses are as follows, and are obligatory. Each student, on completing a laboratory course, must have his ticket countersigned by the instructor or demonstrator in that branch:

THE LABORATORY OF PRACTICAL CHEMISTRY.
The Laboratory of Medical Chemistry and Toxicology is under the supervision of the Professor of Chemistry, aided by the Demonstrator and his assistant. Each student, during his course, has assigned to him a table, with full reagent sets and apparatus.

The instruction here given is in harmony with the chemical lectures of the winter session, and is conducted in such a manner as to secure to the student a practical familiarity with the apparatus, materials, processes and reactions which are the subjects of his professional study, and which will be useful in his subsequent practice.

The course of the freshman year consists of:
1. MANIPULATIONS, in which each student himself performs various experiments, shown and explained by the Professor of Chemistry in his regular lectures previous to the holidays. These include Acidimetry and Alkalimetry.

2. TOXICOLOGY, especially adapted to the wants of the medical
practitioner. This includes an extensive range of testing for the various poisons, mineral and organic, commonly met with in practice, and concludes with a practical examination of samples of vomited matters of unknown composition.

The course of the sophomore year includes the Examination of Normal and Abnormal Products of the human body, in the diagnosis of diseases. The practical Chemistry of the Bile and the Blood, the most approved methods of examining Urine, the Gastric Contents, and Milk, are performed by each student according to the principles taught by the Professor of Chemistry. At the close of this course each of the students makes a diagnostic examination of a sample of urine of an unknown composition.

THE LABORATORIES OF PHARMACY, MATERIA MEDICA AND EXPERIMENTAL THERAPEUTICS.

The Laboratories of Pharmacy, Materia Medica and Experimental Therapeutics contain a complete cabinet of materia medica preparations, finished products, digestive ferments and active principles for study by each pupil. The room is equipped for pharmaceutical instruction, and a systematic course in pharmacy and prescription writing is given. The laboratory of experimental pharmacology is provided with instruments and appliances for special researches in the physiological action of remedies. Members of this class who desire to carry on original research in experimental therapeutics can be assigned remedies for studies, under the direction of the Professor and his assistants. A number of valuable special researches have been made by members of the class and published from time to time as original contributions to knowledge.

In the course on Pharmacy each student performs the necessary manipulations and makes in turn the various preparations.

THE LABORATORY OF PHYSIOLOGY.

This Laboratory is well equipped with apparatus for the illustration of the subjects of Physiological Physics, such as the explanation of the metric system, the demonstration of the theory of the balance methods of obtaining specific gravity, the arranging of galvanic batteries, galvanometers, chronographic apparatus, methods of analysis of food and gases. Also with apparatus for the demonstration of the essential phenomena of nutrition, digestion, absorption, circulation, respiration, excretion, the functions of the nervous system, the reproductive apparatus and development of the embryo.

THE STUDENTS LABORATORY OF PHYSIOLOGY.

The Students Laboratory of Physiology was opened in the fall of 1899 with an equipment presented by a member of the Board of Trustees, the late Louis C. Vanuxem, Esq., and has now been in successful operation during five sessions. The equipment includes appropriate apparatus for the practical study of fundamental facts in physiological chemistry and in the physiology of nerves, muscles, the spinal cord, the mechanisms of the circulation and respiration.

Physiological Chemistry is taught in the first year in connection with the didactic lectures on foods and digestion. The course of instruction includes a series of experiments relating to the chemical relations of the starches, the sugars, the fats and the proteids; the qualitative composition of milk and the phenomena attending its coagulation; the chemistry of salivary, gastric and intestinal digestion; the chemistry of the bile; the qualitative composition of the blood and the phenomena attending its coagulation.

Experimental Physiology is taught largely, though not exclusively, in the second year in connection with the didactic lectures on the nervous system and the special senses. The course of instruction embraces a series of experiments relating to electricity and electrical appliances and their application to the diagnosis and treatment of muscular and nervous diseases; to the physiological activities of the nervous and muscular mechanisms to the reflex actions of the spinal cord and to the circulatory and respiratory mechanisms.

The equipment is such that sections of fifty students can work at the same time, each student being provided with all necessary apparatus, e.g., Kymograph, induction coil, keys, moist chamber, electrodes, rheocord, commutators, time markers, levers, test solutions, etc., etc. In the course of two years each student performs a large number of the cardinal experiments in physiology.

THE LABORATORY OF MORBID ANATOMY.

This Laboratory contains a complete collection of specimens illustrating the course in special and general pathology. The student has demonstrated to him, by the Demonstrator and his assistants, the various organs and tissues in the body, showing the morbid conditions to which each organ is subject. While the collection of tumors, diseased organs, etc., belonging to the laboratory, is believed to be quite complete, the large general museum can be drawn upon whenever necessary. The post-mortems at the Jefferson Medical College Hospital supply abundant material for the demonstration of fresh specimens. There has been installed a complete microprojection outfit by means of which the slides prepared for and by the class can be demonstrated to a large section. An elaborate macroprojection outfit has been installed.

Post-mortems.—The class, divided into sections, is given detailed instruction in the method of conducting post-mortems and the examination of fresh specimens.
The Department of Charities of the City of Philadelphia has made available for teaching purposes, the Museum of the Philadelphia Hospital, containing a splendid accumulation of specimens, the result of many years' collection. In addition, the class is now admitted to post-mortems. Professor Coplin is the Pathologist; Drs. Ellis and Funke are his assistants.

Arrangements have been completed by which sections of the class are taken weekly for post-mortem instruction and study of the material in the museum.

**THE LABORATORIES OF THE JEFFERSON MEDICAL COLLEGE HOSPITAL.**

A description of these laboratories will be found on page 10.

Each student working in any of the laboratories of this department makes a deposit to cover breakage, but such deposit does not cover all injuries to the microscope supplied him.

The facilities for *post-graduate teaching* in the laboratories of the Hospital are believed to be unexcelled. Such teaching is conducted at hours not interfering with the undergraduate teaching and constitutes individual instruction. Spring and summer courses are given.

**THE LABORATORY OF NORMAL HISTOLOGY.**—This Laboratory is on the fifth floor of the new Laboratory building. The instruction in Normal Histology embraces the manner of using the microscope, the preparation of tissues, the cutting, staining and mounting of sections, and demonstrations of the minute or microscopical anatomy of the various tissues and organs. The class is divided in sections of fifty, and each student is supplied with a microscope, a desk, and all reagents necessary for the pursuit of his studies. As the sections which he mounts are his after the completion of the course, the student is only expected to supply or replace what he takes away, also his needles, forceps, etc., which are usually in his anatomical dissecting case. The collection of slides made by the student in this course will be valuable for future reference.

**THE LABORATORY OF EMBRYOLOGY.**—The instruction in this department is given in connection with the course in Practical Histology. The technic of embryologic methods is taught by the preparation of sections, the examination of embryos, particularly of the chick, by elaborate lantern demonstration and from accurate but greatly enlarged wax models especially imported for the department. The course embraces the examination of the urine and other fluids, excretions and pathological exudates. Each student is supplied with microscope, desk, and all needed reagents for the work. The student supplies his own slides and cover glasses and the few trilling instruments used in the mounting, such as needles, forceps, etc., which are usually in his anatomical dissecting case. When the course is completed the mounted specimens are the property of the student, and in this way he is enabled to secure a collection of typical slides invaluable for future reference. A dark room is set apart for special work on photomicrography, for which a most elaborate and complete outfit is at command. Students or post-graduates, desiring to pursue any special line of research, can find facilities afforded.

**THE LABORATORY OF BACTERIOLOGY.**—This Laboratory occupies the sixth floor of the new Laboratory building, above the noise and dirt of the city streets. The equipment is complete in every detail; all microscopes, microtomes, incubators, serum apparatus and other accessories for the study of bacteria are available. A large collection of pathogenic and other bacteria is constantly on hand, and a comprehensive course is given in practical bacteriology, including methods of studying bacteria, identification of the pathogenic forms, disinfection, etc. The course includes bacteriologic examination of normal and abnormal discharges, such as urine and sputum, and also pathologic exudates. As in the other laboratories, each student has his own desk, with lock and key. Adjoining the laboratory is a room where diseased animals may be kept under observation. The student is supplied with all reagents for his work, but supplies for himself forceps, needles, scissors, etc., his dissecting set usually containing the needed instruments. The slides mounted belong to the student, and he may in this way secure a collection of stained bacteria valuable for future reference.

**THE COURSE IN HEMATOLOGY.**—During the course in Bacteriology the student is given practical instruction in Hematology, including various clinical methods for the examination of the blood. Dr. Ellis who conducts the course in Hematology, is Assistant Pathologist to the Philadelphia Hospital, from which an abundance of material for the study of morbid conditions can be obtained.

**PRACTICAL ANATOMY.**

The rooms are spacious and provided with every convenience. They are open during the winter session daily.

The course in Anatomy will begin with the dissection of lower ani-
The entire freshman class, in sections, will dissect this material before beginning the dissection of the human cadaver.

The material is furnished at $1.50 per part, and no extra or incidental charges are made.

Under the operation of the Anatomical Act the supply of material has much increased and is now ample.

The methods are such as to render the teaching of Anatomy efficient. No lectures are given by the Demonstrators, but their duties are confined to directing the work of the students, and their work has three special features:

1. The demonstration of the bone, ligaments and joints to the students beginning anatomical study.
2. The demonstration on the cadaver, as the students proceed in their dissection. Examination of each student on the anatomy of the part he has dissected is made weekly, and his status is recorded at the time.
3. Weekly, during the entire session, demonstrators are detailed to hold demonstrations and recitations on special parts and organs.

Report is made to the Professor of each student's work.

With a view to introduce students properly to the study of Practical Anatomy before beginning dissections, each student, with the material in his hands, under the direction of the Demonstrators, acquires the necessary elementary knowledge of the skeleton and its articulations.

The bones and joints are demonstrated and loose bones issued to each student, which he may take to his room for more deliberate study and upon which recitations are held.

Systematic demonstrations on the cadaver are made to aid the dissections of the students. Careful supervision is had of the work of the students as they proceed in their dissections, to insure thorough acquisition of anatomical knowledge and recitations are held over the dissected body.

The Professor of Anatomy holds recitations over the dead body weekly.

VISCERAL ANATOMY.

The demands of the departments of Physiology, Histology, and Embryology, as well as the importance of an accurate knowledge of the gross anatomy and relations of the viscera, have led to the inauguration of a course in visceral anatomy given in the freshman year. The instruction is conducted by a demonstrator, under the supervision of the Professor of Anatomy, and consists of practical demonstrations to sections of the class, taking up all the important viscera, their gross anatomy, relations and developmental origin; in this way the student is prepared to appreciate the instruction given in other departments and receives a course introductory to the work of the sophomore year.

OPERATIVE OBSTETRICS.

The Demonstrator of Obstetrics, under the supervision of the Professor, will review with the students in each section the anatomy of the birth canal and of the fetus. He will further instruct them in the diagnosis of the presentations and positions of pregnancy, with the modes of rectifying errors and accomplishing delivery by manual and instrumental means. Models, diagrams, and the manikin will be used.

THE LABORATORIES OF OPERATIVE AND MINOR SURGERY AND BANDAGING.

These departments are in charge of the Demonstrators of Surgery and of Fractures and Dislocations and the Instructor in Bandaging and their assistants, under the direction of the Professors of Surgery.

Students of the freshman year are taught the proper methods of applying all bandages, including the handkerchief system of Mayor, and the fixed bandages, together with the plaster-of-Paris, silicate of sodium and starch bandages.

Students of the junior year are carefully instructed in the use of fracture dressings, which they are required to apply individually, and the manual for the reduction of dislocations.

Each student is taught the use of the hypodermatic syringe, the introduction of the catheter, the performance of intravenous injection, the application of tourniquets, etc.

The members of each section of the junior class are required to perform on the cadaver amputations, resections, ligations of arteries, trephining, tracheotomy, nerve resections, perineal section, and the various operations of abdominal and genito-urinary surgery.

Before an operation is performed the Demonstrator carefully instructs the student in the surgical anatomy of the part, in the management of instruments, the surgical dressings and the proper methods of operating.

HYGIENE.

The course in Hygiene is so arranged that the student receives, by didactic and practical instruction, definite ideas regarding the laws of growth, development and physiological activity of the body; the correction of deformities and the prevention of disease through measures relating to physical exercise, diet, clothing, bathing, etc.; the prevention of disease by the sanitary arrangement of the dwelling, including water supply, drainage, ventilation, heating, etc., as well as the water supply and drainage of communities.

CLINICAL MICROSCOPY.

The course in Clinical Microscopy is under the direct supervision of the Professor of Pathology. The course is now conducted in connection with the laboratory work in bacteriology and morbid histology and
includes the examination of sputum, pus, blood, including the counting of blood-corpuscles and the estimation of hemoglobin, etc., also a course in Urinary Microscopy.

**RECICTIONS BY PROFESSORS AND INSTRUCTORS.**

Systematic recitations constitute an important part of the instruction, and are provided without charge in connection with the regular teaching of the respective chairs. No other recitations are officially endorsed by the Faculty.

The recitations are conducted as follows:

**Physiology.**—By Professors Chapman and Brubaker.

**Surgery.**—By Professors Brinton and Da Costa and Dr. George W. Spencer.

**Chemistry.**—By Professor Holland.

**Anatomy.**—By Professor Forbes and the demonstrators.

**Therapeutics.**—By Professor Hare, Professor Thornton and Drs. Appleman and Kennedy.

**Practice of Medicine.**—By Professor J. C. Wilson and Drs. Da Costa and Kalteyer.

**Gynecology.**—By Professor Montgomery and the demonstrators.

**Pathology.**—By Drs. Ellis and Funke.

**Ophthalmology.**—By Professor Hansell and Drs. Sweet and Veasey.

**Obstetrics.**—By Professor Davis and assistants.

**Histology.**—By the Demonstrator and his assistants.

**Bacteriology.**—By Dr. Rosenberger.

**Laryngology.**—By Professor Kyle.

**Dermatology.**—By Professor Stelwagon and Dr. E. J. Stout.

**Orthopedic Surgery.**—By Professor H. Augustus Wilson and Dr. J. T. Rugh.

**Pediatrics.**—By Professor Graham.

**Neurology.**—By Professor Dercum.

**Otology.**—By Professor Smith and Drs. Klopp and Hoopes.

**Genito-Urinary Surgery.**—By Professor Horwitz.

**SUMMARY OF THE REGULAR FOUR YEARS' COURSE.**

The graded curriculum is arranged as follows:

*Subject to change.*
Medical Chemistry.—One lecture and one recitation per week and twelve hours' laboratory instruction in Clinical Chemistry per week one-fourth of the term.

Therapeutics.—Two lectures per week.

Principles of Surgery.—Two lectures per week, with recitations.

Symptomatology and Physical Diagnosis.—One lecture per week.

Medical Jurisprudence.—Two lectures per week in the latter half of the term.

Examinations will be held at the close of the term in Anatomy, General Pathology and Pathological Histology, Physiology (Nervous System, Special Senses, Reproduction), Medical Jurisprudence, Medical Chemistry, the part of Surgery taught this year, and Symptomatology and Physical Diagnosis.

No student can advance to the junior class unless he has passed all the freshman examinations and all but two of those of the sophomore year. He can be conditioned in two sophomore studies until the closing examinations of the junior year. If he should fail then he must repeat his year's work.

JUNIOR YEAR.

Pathology.—Two lectures and one recitation per week.

Bacteriology.—Thirteen hours per week for part of the term.

Morbid Anatomy.—Six hours per week for part of the term. This course includes instruction in post-mortems given to the class in sections. The instruction in neuro-pathology is given in connection with this course.

Obstetrics.—Two lectures per week.

Operative Obstetrics.—Two demonstrations per week.

Therapeutics.—Two lectures per week.

Surgery.—Two lectures and one hour of class examination per week.

Clinical Surgery.—Two clinics of two hours each per week.

Operative Surgery.—Six hours per week for part of the term.

Fracture Dressings.—Three demonstrations per week for part of the term.

Practice of Medicine.—Three lectures and two hours of class examination per week.

Hematology.—Three hours per week for part of the term.

Clinical Medicine.—Two clinics per week.

Symptomatology and Physical Diagnosis.—One bedside demonstration per week.

Gynecology.—One lecture or demonstration per week on Pathology, Symptomatology and Diagnosis for the first half of the year.

Examinations will be held at the close of the term in the Practice of Medicine, Pathology and Bacteriology, Obstetrics, including Operative Obstetrics, Therapeutics, Surgery (Fractures, Dislocations, Hernia, Surgical Diseases of the Bones, Joints, Vascular and Respiratory Systems, of the Skin and its appendages, and of the Rectum and Urinary Bladder), Operative Surgery, Fracture Dressings and Reductions of Dislocations.

No student can advance to the senior class unless he has passed all the freshman and sophomore examinations and all but two of those of the junior year. He can be conditioned in two junior studies until the closing examinations of the senior year.

SENIOR YEAR.

Special Therapeutics.—One lecture or recitation per week.

Electro-Therapeutics.—Section work.

Gynecology.—One clinical lecture; one recitation or lecture and one hour section instruction per week.

Obstetrics.—Obstetric clinics to sections and one didactic lecture weekly, bedside demonstration and attendance upon cases.

Special Surgery.—One lecture per week and one hour of recitation every other week.

Clinical Surgery.—Two clinical lectures of two hours, one hour of section work and one hour of bedside instruction every week.

Practice of Medicine.—Three lectures per week and two hours of bedside instruction per week.

Ophthalmology.—One clinic and one hour of practical instruction per week.

Laryngology.—One clinic per week and eight hours of practical instruction during the session.

Otology.—One clinic per week and eight hours of practical instruction during the session.

Orthopedics.—One clinic and one recitation per week and eight hours of practical instruction for half of the session.

Pediatrics.—One clinic and one recitation per week and eight hours of practical instruction during the session.

Dermatology.—One clinic per week and eight hours of practical instruction during the session.

Neurology.—One didactic lecture and one clinic per week and eight hours of practical instruction during the session.
Genito-Urinary Diseases.—One clinic and one lecture per week and eight hours of practical instruction during the session.

Attendance upon the special clinics and demonstrations must be certified by the Instructor of each branch.

General Clinics, Medical and Surgical, are given at the Pennsylvania and Philadelphia Hospitals.

Final Examinations will be held at the close of the term in Therapeutics (including Climate, Baths, Diet, Electro-Therapeutics), Gynecology, Obstetrics, Practice of Medicine, Neurology, Surgery and the special branches. Early in the autumn the method of final examination in the special branches—Dermatology, Orthopedic Surgery, Diseases of Children, Genito-Urinary Diseases, Otology, Ophthalmology and Laryngology—will be announced. See also examinations for the doctorate, p. 17.

HOSPITAL APPOINTMENTS.

Every year seven Resident Physicians to the College Hospital and seven substitutes are appointed from the graduating class. These are chosen from among the graduates attaining 80 per cent. and over. At the other hospitals over 90 resident appointments are made annually, for the most part by competition, open to graduates in medicine. The Faculty has appointed a committee to collect definite information that will facilitate the securing of appointment for our graduates to positions as Resident Physicians in the various hospitals in this country. Members of the graduating class of 1903 secured 114 such positions, as stated in the list, page 43. The committee will be glad to receive information from former Resident Physicians and others that will aid its organized efforts, and will be pleased to assist applicants for such positions. The committee is composed of Prof. James C. Wilson, Chairman; Dr. Joseph S. Neff, Medical Director of Hospital; Prof. E. E. Montgomery, and Dr. J. T. Rugh, Secretary.

STUDENTS' MEDICAL SOCIETIES.

Members of different classes have organized the Hare, Keen, Wilson, Forbes, Davis, Chapman, Coplin, Dercum, Montgomery and Horwitz Medical Societies. The Academy is a society composed of students who hold college degrees from recognized literary institutions. Meetings are held twice a month for consideration of essays on Therapeutics, Surgery, Practice of Medicine, Anatomy, Obstetrics, Physiology and Pathology.

The Lafayette Club is made up of students who are graduates of Lafayette College.

The meetings are held in the students' society rooms.
Order of Lectures and Practical Instruction

**FRESHMAN YEAR***

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<td>Dissection and Sections in Pathological Histology</td>
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<td>10</td>
<td>Dissection and Sections in Chemical Laboratories</td>
<td>Dissection and Sections in Histology Osteology and Histology</td>
<td>Dissection and Sections in Pharmacology and Chemistry</td>
<td>Pathological Histology and Physical Diagnosis</td>
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<td>12</td>
<td>J. C. Wilson or Hare Medical Clinic</td>
<td>J. C. Wilson or Hare Medical Clinic</td>
<td>J. C. Wilson or Hare Medical Clinic</td>
<td>Holland Clinical Chemistry</td>
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**SOPHOMORE YEAR***

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<td>9</td>
<td>Pathological Histol.</td>
<td>Pathological Histol.</td>
<td>Dissection Sections in Clinical Chemistry and Post-mortem Examinations</td>
<td>Sections in Clinical Chemistry Physiology and Pathological Histology and Physical Diagnosis</td>
<td>Dissection Sections in Clinical Chemistry and Post-mortem Examinations</td>
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### JUNIOR YEAR *

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<td>Sections in Bacteriology</td>
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<td>Hematology Also from 2:30 to 4</td>
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<td>10</td>
<td>Brimson Surgery</td>
<td>Brimson Surgery</td>
<td>Section in Operative Obstetrics</td>
<td>Horwitz Genito-ur. Clinic</td>
<td>Fisher and Bland Gynecology first half</td>
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<td>12</td>
<td>Coplin Pathology</td>
<td>Pennsylvania and Philadelphia Hospitals</td>
<td>Coplin Pathology</td>
<td>Philadelphia and Penna. Hospitals</td>
<td>Recitation in Obstetrics</td>
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<td>1</td>
<td>J. C. Wilson or Hare Medical Clinic</td>
<td>Montgomery Gynecol. Clinic</td>
<td>Keen Surgical Clinic Jefferson Hospital</td>
<td>J. C. Wilson or Hare Med. Clinic</td>
<td>Hearn or Da Costa Surgical Clinic Jefferson Hospital</td>
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<td>3</td>
<td>Morbid Anatomy, Fracture Dressings</td>
<td>Morbid Anatomy, Fracture Dressings</td>
<td>Morbid Anatomy</td>
<td>Morbid Anatomy</td>
<td>2 P.M. Morbid Anatomy Post-mortem</td>
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<td>4</td>
<td>Recitations in Surgery Cohen Philadelphia Hospital</td>
<td>J. C. Wilson Practice of Medicine</td>
<td>J. C. Wilson Practice of Medicine</td>
<td>Davis Obstetrics</td>
<td>J. C. Wilson Practice of Medicine</td>
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<td>5</td>
<td>Hare Therapeutics</td>
<td>Davis Obstetrics</td>
<td>Operative Obstetrics</td>
<td>Hare Therapeutics</td>
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<td>8</td>
<td>Recitations in Practice of Medicine</td>
<td>Operative Surgery</td>
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### SENIOR YEAR *

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<td>9</td>
<td>Sections— Heineberg Gynecology</td>
<td>Sections— Spencer Surgery</td>
<td>Sections— A. A. Wilson Orthopedics</td>
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<td>10</td>
<td>Smith Ear Clinic</td>
<td>Graham Recitation in Pediatrics</td>
<td>Kyle Throat and Nose Clinic</td>
<td>Montgomery Gynecology</td>
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<td>11</td>
<td>Stelwagon Skin Clinic</td>
<td>H. A. Wilson Orthopedic Clinic</td>
<td>Horwitz Genito-Urinary Surgery</td>
<td>Horwitz Genito-Urinary Surgery</td>
<td>Dercum Neurological Clinic</td>
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<tr>
<td>12</td>
<td>Recitations— Graham Medicine</td>
<td>Sections— Dare Medicine</td>
<td>Sections— Godfrey Medicine</td>
<td>Sections— H. A. Wilson Orthopedics</td>
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<td>13</td>
<td>Brimson Surgery</td>
<td>Da Costa Surgery</td>
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<td>14</td>
<td>Foulkrod Feulkrad Gynecology</td>
<td>Kirkpatrick Throat Shop Graham Children</td>
<td>Fisher Gynecology</td>
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<td>15</td>
<td>H. A. Wilson to Jan. 19</td>
<td>Montgomery Gynecology Clinic</td>
<td>Keen Surgical Clinic</td>
<td>J. C. Wilson to Jan. 19</td>
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<td>16</td>
<td>H. A. Hare after Jan. 19</td>
<td>Medical Clinic</td>
<td>H. A. Hare after Jan. 19</td>
<td>Medical Clinic</td>
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<td>17</td>
<td>Sections— H. A. Hare</td>
<td>Sections— Hansen and Sweet Eye to Feb. 1</td>
<td>Sections— Hansen and Sweet Eye to Feb. 1</td>
<td>Hansen and Sweet Eye to Feb. 1</td>
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<td>18</td>
<td>J. C. Wilson to Jan. 19</td>
<td>Davis Eye to Feb. 1 Appleman Prescription Writing</td>
<td>Kieler Tropical Medicine Practice</td>
<td>Kieler Tropical Medicine Practice</td>
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<td>19</td>
<td>J. C. Wilson Practice</td>
<td>Davis Obstetric Clinic</td>
<td>H. A. Hare Special Therapeutics and Recitation</td>
<td>J. C. Wilson Practice</td>
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<td>20</td>
<td>Da Costa Obstruct</td>
<td>Dercum Mental Diseases</td>
<td>Keen Surgery</td>
<td>Davis Obstetric Clinic Sections</td>
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* Subject to alteration
GRADUATES OF
THE JEFFERSON MEDICAL COLLEGE
OF PHILADELPHIA
MAY 28th, 1903

At a Public Commencement, held at the American Academy of Music on the 28th day of May, 1903, the Degree of DOCTOR OF MEDICINE was conferred on the following gentlemen by the President, HON. WILLIAM POTTER, the exercises closing with an Address by HON. HAMPTON L. CARSON, Attorney-General of Pennsylvania:

Adcock, Lee Campbell . . . . . Ky.
Akers, Andrew Franklin . . . . . Pa.
Allen, Frederick Blunt . . . . . N. Y.
Allison, Lucian Dent . . . . . Pa.
Baines, Matthew Carroll . . . . . Pa.
Baltz, Samuel Austin . . . . . . Pa.
Bell, David Major . . . . . . . Pa.
Bennett, Clarence Elmer . . . . Pa.
Blankemeyer, Henry John, Jr. . . Pa.
Borneman, John Henry . . . . . N. C.
Boyce, Lee . . . . . . . . . . Pa.
Bryson, John Frapton . . . . . Pa.
Calhoun, Howard Boyd . . . . . Pa.
Carney, Samuel David . . . . . Pa.
Carroll, Thomas Benjamin . . . . Ohio
Chamberlain, Leslie . . . . . . . N. Y.
Clagett, Augustus Henry . . . . Pa.
Cooper, Herbert . . . . . . . Mass.
Corwin, James Howell . . . . . Pa.
Cotham, Edward Ralph . . . . . Ark.
Cottrell, Emile Lester . . . . . Cal.
Crane, Harold Hayes . . . . . . Pa.
Dana, Lawrence Wellington . . . Pa.
Davis, George Anthony . . . . . Conn.
Eastwood, Edmund . . . . . . . N. J.
Edwards, William McEwen . . . Wis.
Ellison, Thomas . . . . . . . . . Pa.
Fledderjohann, Ferdinand Fred'k Ohio
Fogarty, Charles William . . . . Minn.
Foster, Wilbur Allen . . . . . . Pa.
Gibson, Albert Matthew . . . . Ala.
Gilmour, Wilbur Hawley . . . . Ill.
Goodman, Bert Edward . . . . . Ohio
Gornaley, James Aloysius . . N. J.
Green, Max . . . . . . . . . . Pa.
Harrington, James L. . . . . . Conn.
Harrison, John Francis . . . . Conn.
Hay, George . . . . . . . . . . Pa.
Hazzlett, Frank Leslie . . . . . Pa.
Heed, Charles Rittenhouse . . . Pa.
Heim, Lyman David . . . . . . Pa.
Henry, Albert Leon . . . . . . Pa.
Hixson, George William . . . . Ohio
Holston, John Geo. Fred'k, Jr. Ohio
Hudson, Harry, Jr. . . . . . . . Pa.
Hutchel, Oliver L. . . . . . . . Pa.
Hyakell, William Emory . . . Me.
Imboden, Harry Miles . . . . . Pa.
Ireland, Frederick W. . . . . . N. Y.
Jones, John Bayley . . . . . . . Pa.
Kane, Clinton Austin . . . . . Md.
Kerr, William Edmunds . . . . Ohio
Kierf, Raymond Arndt . . . . N. J.
King, Richard Morrison . . . . N. C.
Koser, Martin Luther . . . . . Neb.
Kriebel, Asher G. . . . . . . . Pa.

Kunkel, Oscar Franklin . . . . . Pa.
Laidlaw, Frank Winfield . . . . N. Y.
Larkins, Clyde Raymond . . . . Ohio
Logan, Edward Johnson . . . . R. I.
Loper, John C. . . . . . . . . N. J.
Luck, Benjamin D. . . . . . . . Ark.
McKemy, John William . . . . Ohio
Manges, Willis Fastnacht . . . . Pa.
Maner, Charles LaForge . . . . Pa.
Mayhew, Charles Holmes . . . N. J.
Mervine, Robert Batten . . . . Pa.
Miller, Henry Ernest . . . . . . Pa.
Miller, John Hume . . . . . . . S. C.
Miller, Richard Oliver . . . . . Pa.
Miller, Walter Marion . . . . . Pa.
Moore, Darius Carrier . . . . . Pa.
Morret, Henry Eckert . . . . . . Pa.
Moser, Raymond Anson . . . . Pa.
Munro, Henry Stokes . . . . . N. C.
Murphy, Francis Aloysius . . . Pa.
Myers, Edward Ralph . . . . . . Pa.
Neptune, Norman William . . . Ohio
Newcomb, Marcus Ward . . . N. J.
Ogilvie, Roy K . . . . . . . . Mo.
Oglevee, Thomas Edison . . . . Pa.
O'Neill, Michael Joseph . . . . R. I.
Patterson, Robert Mehard . . . Pa.
Peltz, Philip Malcolm . . . . . Pa.
Petitejan, John William . . . Ind.
Pilling, George Platt, Jr. . . . Pa.
Platt, Thomas Heritage, Jr. . N. J.
Prothero, Harold Ney . . . . . Pa.
Quinn, James J. . . . . . . . N. J.
Ralston, James Curtis . . . . . Pa.
Reed, Henry David . . . . . . . Pa.
Reed, Marvin Warren . . . . . Ohio
Reidy, John Aloysius . . . . . Pa.
Reser, William Marven . . . Ind.
Rodgers, William Henry . . . Ohio
Rose, Horace Lewis . . . . . . . N. J.
Schenck, Daniel Scott . . . . . Ia.
Schnader, Amos Bowman . . . Pa.
Schoolman, Noah . . . . . . . Pa.
Scott, Hiram Chinsworth . . . Pa.
Sewall, Millard Freeman . . . Me.
Sherger, John Adam . . . . . . Pa.
Sheridan, Lawrence Aloysius . . Pa.
Shimoon, Joseph . . . . . . . Persia
Smith, Frederick Charles . . . . Pa.
Smith, Howard Sedgwick . . . Minn.
Smith, Lawrence De Haven . . . Del.
Stellwagen, Thomas Cook, Jr. . . Pa.
Stevenson, George . . . . . . . N. Y.
Strayer, Walter Addison . . . Ohio
Swan, James Hayes . . . . . . . Pa.
Thomas, James William . . . . Ore.
Tinney, Alfred Grant . . . . . . Pa.
Tod, Clarence Milton . . . . . N. Y.
Ullman, Jacob Sontheimer . . . Miss.
Ullom, Frank Sellers . . . . . . Pa.
Ullman, Jacob Sontheimer . . . Miss.
Ullom, Frank Sellers . . . . . . Pa.
Ward, Todd Pope . . . . . . . Ill.
Ward, William John . . . . . N. Y.
White, Francis William . . . . R. I.
Whitmore, George Byron . . . N. Y.
Winship, Herring . . . . . . . Ga.

RECAPITULATION

Of the foregoing there were from—

Pennsylvania . . . . . . . 96 North Carolina . . . . . . . 3
New Jersey . . . . . . . 11 Maine . . . . . . . . . 2
Ohio . . . . . . . . . . . 11 Indiana . . . . . . . . 2
New York . . . . . . . 8 Illinois . . . . . . . . . 2
Massachusetts . . . . . . . 3 Minnesota . . . . . . . . 2
Connecticut . . . . . . . 3 Arkansas . . . . . . . . . 1
Rhode Island . . . . . . . 3 Delaware . . . . . . . . . 1
The honorary degree of Doctor of Laws was conferred upon Geheimrath Johann von Mikulicz-Radecki, Professor of Surgery in the University of Breslau.

The following prizes were awarded:

The Henry M. Phillips Prize of Seventy-five Dollars. Awarded upon the recommendation of the Professor of Medicine, to the graduate in his opinion most worthy, to Lawrence W. Dana.

The Henry M. Phillips Prize of Seventy-five Dollars. Awarded upon the recommendation of the Professors of Surgery, to the graduate in their opinion most worthy, to Emilie Lester Cottrell.

Physiology Prize. Awarded by bequest of Dr. Francis W. Shain, for the best Examination on a subject pertaining to Physiology (open to undergraduates of the second year), to George Fergon Doyle.

Therapeutics Prize. A Gold Medal, for the best Examination in Therapeutics, to Harry Hudson, Jr.

Surgery Prize. Awarded by bequest of Dr. Francis W. Shain, for the best Examination in Surgery, to Charles W. Fogarty.

Obstetrical Prize. A Gold Medal, for General Excellence in Obstetrics, to Iras Bratton Whitehead, of Pennsylvania, with honorable mention of Willard Freeman Sewall.

Chemical Prize. A Gold Medal, for the best Examination in Chemical Chemistry (open for undergraduates), to Albert Elmer Austin.

Pathology Prize. A Gold Medal, for the best Examination in Pathology, to Thomas Cook Stelwagen, Jr.

Gynecology Prize. By Professor Montgomery, a Gold Medal, for the best Examination in Gynecology, to William Edmunds Kerr, with honorable mention of John Joseph Stanton, and Willis Fastnacht Manges.

Neurology Prize. By Professor Dercum, a Gold Medal, for the best Examination in Neurology, to Lawrence Wellington Dana, with honorable mention of William Edmunds Kerr.

The W. S. Forbes Anatomical League Prize of One Hundred and Fifty Dollars, given by Professor Forbes to the member of the Anatomical League having the highest standing in a competitive Examination in Anatomy, to Michael Joseph O'Neill, with honorable mention of Arthur E. Crow.

Clinical Orthopedics Prize. By Professor H. Augustus Wilson, a Gold Medal, for the best Examination in Orthopedic Surgery, to Henry Stokes Munroe, with honorable mention of Robert Batten Mervine.


Clinical Genito-Urinary Prize. By Professor Horwitz, Twenty-five Dollars, for the best Examination in Genito-Urinary Surgery, to Henry Stokes Munroe with honorable mention of Arthur F. McCormick.

Clinical Obstetrics Prize. By Professor Davis, Twenty-five Dollars, for excellent work in out-patient service, awarded to Clyde R. Larkins and Henry Urban North.

HONORARY DEGREE.

There are now 11,475 names on the list of graduates.

HOSPITAL APPOINTMENTS.

The following appointments were secured by the graduates of the Class of 1903:

CHARLES W. ALLEN.—The Agnew, Atlantic City, N. J. Williamsport Hospital, Pa.

FRED. B. ALLEN.—Cooper Hospital, Camden, N. J. (Alternate).

THOS. S. ARMSTRONG.—Wilkesbarre City Hospital, Pa. McKeesport Hospital, Pa.

MATTHEW C. BAINES.—Atlantic City Hospital, N. J.

S. A. BALTZ.—West Pennsylvania Hospital, Pittsburg, Pa.

D. M. BELL.—McKees Rock's Hospital, Pa.

C. E. BENNETT.—Wilkesbarre City Hospital, Pa.

H. J. BLANKEMEYER, Jr.—St. Francis Hospital, Trenton, N. J.

HOWARD B. CALHOUN.—Mercer Hospital, Trenton, N. J. Philadelphia Hospital.

T. B. CARROLL.—Allegheny General Hospital, Pa.

L. R. CHAMBERLAIN.—St. Paul's Sanitarium, Dallas, Tex.


Atlantic City Hospital, N. J.


W. W. CONGER.—Lucas Co. Infirmary Hospital, Toledo, O.

JAMES H. CORWIN.—Atlantic City Hospital, N. J. (Substitute).

Jefferson Hospital (Substitute).

E. L. COTTRELL.—West Pennsylvania Hospital, Pittsburg, Pa.

HAROLD H. CRANE.—East Maine General Hospital, Bangor, Me.

ARTHUR E. CROWE.—Jefferson Hospital.

L. W. DANA.—Allentown Hospital, Pa.

Mercy Hospital, Pittsburg, Pa.

G. A. DAVIS.—Philadelphia Hospital.
W. M. EDWARDS.—Jefferson Hospital.
Atlantic City Hospital, N. J. (Substitute).

J. W. FLATLEY.—Philadelphia Hospital.

E. R. FLEMING.—Wageworkers' Co-operative Hospital, Lynn, Mass.

WILBUR A. FOSTER.—Mercer Hospital, Trenton, N. J.

W. M. GARRETSON—Garretson Hospital, Philadelphia, Pa.
St. Joseph's Hospital, Lancaster, Pa.

BERT E. GOODMAN—Atlantic City Hospital, N. J.

J. L. HARRINGTON.—Orange Memorial Hospital, Orange, N. J.
Jefferson Hospital (Substitute).

FRANK L. HAZLETT.—West Pennsylvania Hospital, Pittsburg, Pa.

L. D. HEIM.—McKeesport Hospital, Pa.

CHARLES R. HEED.—Philadelphia Hospital.

FRANK J. HEISLER.—Philadelphia Hospital.

A. L. HENRY.—Lancaster General Hospital, Pa.

HARRY HUDSON, Jr.—St. Timothy's Hospital, Roxborough, Phila., Pa.

OLIVER L. HUTZEL.—Williamsport Hospital, Pa.

H. M. IMBODEN—Methodist Hospital, Philadelphia.

JOHN B. JONES, Jr.—N. J. State Village for Epileptics, Skillman, N. J.

C. A. KANE.—Mercy Hospital, Pittsburg, Pa.

R. M. KING.—Jefferson Hospital.

C. R. LARKINS.—St. John's General Hospital, Allegheny City, Pa.
Prince of Peace Maternity Hospital, Philadelphia.
R. I. State Hospital for Insane, Howard, R. I.

I. DAVID LOEWY.—Phenixville Hospital, Pa.

B. D. LUCK.—Williamsport Hospital, Pa.

J. W. McKEMY.—Pittston Hospital, Pa. (Substitute).

A. F. McCORMICK.—West Pennsylvania Hospital, Pittsburg, Pa.

W. F. MANGES.—Jefferson Hospital.

R. B. MERVINE.—Williamsport Hospital, Pa.

R. O. MILLER.—Easton Hospital, Pa.

W. M. MILLER.—Philadelphia Hospital.

D. C. MOORE.—Central Branch of National Military Home for Disabled
Volunteer Soldiers, Ohio.

H. E. MORRET.—St. Joseph's Hospital, Reading, Pa.

A. P. MUNSCHE.—St. Mary's Hospital, Philadelphia.

F. A. MURPHY.—St. Mary's, Philadelphia.

E. R. MYERS.—Harrisburg Hospital, Pa.

THOS. F. NEIL.—McKees Rock's Hospital, Pa.

State Hospital for Insane, Warren, Pa.

HENRY U. NORTH.—West Side Hospital, Scranton, Pa.

M. J. O'NEIL.—R. I. General Hospital, Providence, R. I.

ROBT. M. PATTERSON.—Mercy Hospital, Pittsburg, Pa.

GEO. P. PILLING, Jr.—German Hospital, Philadelphia, Pa.

HAROLD N. PROTHERO.—Mercer Hospital, Trenton, N. J.
St. Francis' Hospital, Pittsburg, Pa.

J. J. QUINEY.—Easton Hospital, Pa.

J. C. RALSTON.—East End Hospital, Pittsburg, Pa.

HENRY D. REED.—Pottstown Hospital, Pa.

JOHN A. REIDY.—Mercy Hospital, Pittsburg, Pa.

WM. P. ROBERTS.—State Hospital for Insane, Warren, Pa.

C. E. ROBISON.—Altoona Hospital, Pa.

A. B. SCHNADER.—Pottsville Hospital, Pa.

L. L. SCHWARTZ.—Pottsville Hospital, Pa.

CH. C. STELLWAGEN, Jr.—Jefferson Hospital.

R. A. STEWART.—St. Mary's Hospital, Philadelphia, Pa.

WALTER A. STRAYER.—West Pennsylvania Hospital, Pittsburg, Pa.

W. O. THOMPSON.—Presbyterian Hospital, Philadelphia.

W. H. TOMLINSON.—Jefferson Hospital.

J. S. ULLMAN.—Jewish Hospital, Philadelphia.

W. B. WASHABAUGH.—Soldiers and Sailors' Home, Erie, Pa.

F. W. WHITE.—Philadelphia Hospital.

I. B. WHITEHEAD.—West Chester Hospital, Pa.

W. C. KISSINGER—Shenango Valley Hospital, New Castle, Pa.

The total number of hospital appointments, 118.
### MATRICULATES

#### SESSION 1903-1904

#### SENIOR STUDENTS.

<table>
<thead>
<tr>
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<th>State/Province</th>
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<tr>
<td>Abbott, Frank Cook</td>
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<td>Grumley, Edward Chauncey Fullerton</td>
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Benjamin, Floyd A. N. Y.
Betts, George Warren Pa.
Betts, William Williams Pa.
Bignell, Francis Peter Pa.
Blank, Henry N. J.
Boice, James Pa.
Bonelli, Victor E. Miss.
Borrell, Francis Frank Pa.
Boyer, George Edgar N. J.
Bradley, John Aloysius Pa.
Brewer, Frederick David Pa.
Bricker, Howard Edgar Pa.
Briggs, Erwin Sheridan Pa.
Broadbelt, Leedom Richard Pa.
Broadfield, John Augustus Pa.
Brown, Arthur Aloysius Mass.
Brundage, Robert Abner Pa.
Bryan, Wallace Steele Pa.
Bullock, Edwin Corlies N. J.
Campbell, William Breaden Ohio
Chapman, Ellis Jeankeings N. J.
Cogan, Richard Merwin N. J.
Compton, John Milton Pa.
Cooke, Thomas Clarence Va.
Cornwell, William L. Pa.
Coyne, Frank Michael Pa.
Crou, Ford B. Pa.
Cram, Charles Edgar Pa.
Curtis, Grant Philco N. J.
Cutter, William W. Ill.
Dart, Lawrence Wayland Pa.
Davis, John Hall Pa.
Dickinson, Harrington Stanley Pa.
Dixon, Edward F. Ill.
Doherty, Harry Aloysius N. J.
Dudley, Arthur Chester Pa.
Dwyer, Frank P. Pa.
Egley, Henry Conrad Pa.
Eisenhart, Harry Picking Pa.
Ellegood, Robert Edwin Del.
English, Samuel B. Pa.
Evans, Clark Pa.
Evans, William Allen Pa.
Evans, William P. Pa.
Farwell, Frank Pierce Pa.
Ferguson, Thomas Reed Pa.
Flaherty, Michael Edward Pa.
Forney, Norman Nes Pa.
Gable, Frank J. Pa.
Gale, George Hays Ohio
Glassman, Harry Pa.
Goldstein, Adolph Otto Pa.
Grenfell, Michael S. N. J.
Gross, Julius Edward Pa.
Guyot, J. Devoine Mo.
Hance, Curtis Magie N. J.
Hansel, George B. Pa.
Hempstead, Jacob Pa.
Hopwood, George Black Pa.
Hopwood, William Hudson Pa.
Horwitz, Louis Pa.
Howard, Leroy Downey Pa.
Howe, Jesse Burket Pa.
Hughes, James A. Pa.
Hustead, Frank Humbert Pa.
Isenberg, Alfred Percy Pa.
Jackson, James Allen Ga.
Jones, Edgar Clyde Ohio
Knight, Alfred John So. Dakota
Koege1, William Frederick H. N. J.
Lachner, Bernard Joseph Ore.
Lambie, John B. Pa.
Lawson, Thomas Adam Pa.
Le Kite, Delbert Lee Palmer Del.
Lewis, Fielding Otis Ky.
Linton, William Horace Pa.
Lore, Andrew Provost N. J.
Lownes, John Barton Pa.
McCreath, John Homer Pa.
McKee, Carlisle Emerson Pa.
McKinley, Andrew Stuart Pa.
McKnight, John Roy Pa.
McInnes, James N. J.
MacMullin, Leon Stow N. J.
MacNair, Don Wallace Pa.
Mahoney, John Edwin Pa.
Martin, Daniel Webster Ohio
Meek, Grover Cleveland Ky.
Meyerson, William Pa.
Miller, Clarence Haldeman Pa.
Miller, Edwin Barclay Pa.
Miller, George William Pa.
Miller, Leroy Bernhardt Pa.
Miller, Thomas Benton Pa.
Minton, Henry McKeen Pa.
Mitchell, Frank Trux Pa.
Molumpy, David J. Conn.
Moss, Harry Joseph Pa.
Murphy, Edward Leon Pa.
Muthart, Lewis J. Pa.
Neiman, Howard George Pa.
Nible, Dia Mine Pa.
Norton, Roy Roscoe N. J.
Novack, Harry Pa.
Outerson, Andrew Conn.
Parks, Clarence C. Pa.
Penton, Jose Luis Cuba
Pritchard, Karl Campbell W. Va.
Pritchard, William Clarence Pa.
Raymond, Walter C. Pa.
Renn, Roy Herman Pa.
Reynolds, George E. Mass.
Richter, Henry Carl Iowa
Robinson, Benjamin Pa.
Roddy, John Augustus, Jr. Pa.
Roller, William Calvin Pa.
Scannell, Joseph William Maine
Schoening, John Jacob Pa.
Sharp, Thomas Sweeney Ala.
Shaw, Walter Corson Pa.
Shelley, Jay Warren Pa.
Shepherd, Richard Cotton Pa.
Sheppard, Charles Woodruff Pa.
Shepherd, Widdow A. Pa.
Shoemaker, George Elmer N. J.
Shoenthal, Harry Irvin Pa.
Sinkins, Daniel Pa.
Sirakusi, Ibrahim Egypt

FRESHMAN STUDENTS.
Anderson, Charles Custis Pa.
Arde, George N. J.
Ash, Garrett Guy Pa.
Bachman, George Pa.
Bassman, Abraham Pa.
Beckas, Gus Victor N. J.
Bew, Richard N. J.
Bishop, Warner Powell Pa.
Bliss, Gerold Douglas, Nova Scotia
Blumberg, Nathan Pa.
Boyd, Rowland Carlisle Pa.
Browe, Samuel Joseph Pa.
Burgess, Gordon Hinman, Nova Scotia
Burns, Michael Anthony Pa.
Bushong, Frederick Pa.
Chambers, William Pa.
Chetwynd, Wallace Ohio
Clapp, George Houghton Pa.
Cloud, Edwin Collin Pa.
Cole, Oscar Earle N. J.

Smith, Russell Pa.
Spear, Owen Crow Del.
Spivak, Louis Pa.
Stayer, Monroe Clay Pa.
Steel, John M. Pa.
Stevens, Harry Eldridge N. J.
Steiner, John Martin Pa.
Strosse, Leo Pa.
Stuckert, Harry Pa.
Sutton, Edward Lincoln Pa.
Thissell, Henry Nelson Del.
Thomas, George Carroll Pa.
Thompson, Henry Merrill Pa.
Topham, Bertram Everett Pa.
Uhler, S. Mann Pa.
Walson, Charles Moore Del.
Weinstein, Morris Abraham Pa.
Weiss, Harry Pa.
Wells, Edgar Kenard N. J.
Whitall, James Dawson Pa.
White, Daniel William Pa.
Wilson, Oscar Hermon Pa.
Young, John S. N. J.
Zehren, Walter Harry Pa.
Ziegler, Alfred Henry Pa.
<table>
<thead>
<tr>
<th>Name</th>
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<td>Patterson, Fred Lyle</td>
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<td>Zimmerman, Frank Dieffenback</td>
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</tr>
</tbody>
</table>

**SPECIAL STUDENTS.**

- Fernández, Rafael . . . Mexico
- Hampton, John Erwin, M.D., N. C.
- Kurtz, George Frederick . . . Georgia
- Matheson, James Pleasant, M. D.
- philosophers, Edward William, M. D., N. Carolina
- Ridley, Robert Berrien, Jr., M. D.

**SUMMARY.**

- Students of Senior Class ... 218
- Students of Junior Class ... 184
- Students of Sophomore Class ... 176
- Special Students ... 8
- Total ... 732

**RECAPITULATION.**

- Pennsylvania . . . 438
- New Jersey . . . 52
- Massachusetts . . 32
- Ohio . . . 21
- New York . . . 20
- North Carolina . . 17
- Iowa . . . 16
- Delaware . . . 12
- Indiana . . . 11
- West Virginia . . 9
- Connecticut . . 8
- Illinois . . . 8
- Georgia . . . 6
- Maryland . . . 6
- Texas . . . 6
- Mississippi . . 5
- Virginia . . . 5
- California . . 4
- Oregon . . 4
- Porto Rico . . 3
- Alabama . . 3
- Florida . . . 3
- Maine . . . 3
- Minnesota . . 3
- Rhode Island . . 3
- Vermont . . . 3
- Total . . . 732

- Idaho . . . 2
- Kentucky . . 2
- New Hampshire . . 2
- Utah . . 2
- Colorado . . 1
- Kansas . . 1
- Louisiana . . 1
- Mississippi . . 1
- Montana . . 1
- North Dakota . . 1
- South Dakota . . 1
- Tennessee . . 1
- Wyoming . . 1
- British Columbia . . 1
- Egypt . . . 2
- Nova Scotia . . 2
- Cuba . . . 1
- Hungary . . . 1
- Mexico . . . 1
- Sweden . . . 1
- Syria . . . 1
- Turkey . . . 1
- West Indies . . 1
- Total . . . 732
PRIZES.

The following prizes are offered to the graduates of the Jefferson Medical College, to be conferred at the Annual Commencement in 1905:

The Henry M. Phillips Prize of Seventy-five Dollars. Awarded upon the recommendation of the Professor of Medicine, to the graduate in his opinion most worthy.

The Henry M. Phillips Prize of Seventy-five Dollars. Awarded upon the recommendation of the Professors of Surgery, to the graduate in their opinion most worthy.

Physiology Prize. Awarded by bequest of Dr. Francis W. Shain, for the best Essay on a subject pertaining to Physiology (open to undergraduates of the second year).

Practice Prize. Awarded by bequest of Dr. Francis W. Shain, for the best Essay on a subject pertaining to the Practice of Medicine.

Therapeutic Prize. A Gold Medal, for the best Examination in Therapeutics.

Surgery Prize. Awarded by bequest of Dr. Francis W. Shain, for the best Essay on a subject pertaining to Surgery.

Obstetrical Prize. A Gold Medal, for General Excellence in Obstetrics.

Chemical Prize. A Gold Medal, for the best Original Work in the Chemical Laboratory (open for undergraduates).

Anatomy Prize. A Gold Medal, for the best Anatomical Preparation (open to undergraduates).

Pathology Prize. A Gold Medal, for the best Essay embodying original research on some subject connected with Pathology, or for best Examination.

Gynecology Prize. By Professor Montgomery, a Gold Medal, for the best Examination in Gynecology.

Neurology Prize. By Professor Dercum, a Gold Medal, for the best Examination in Neurology.

Demonstrator of Anatomy Prize. By Dr. Addinell Hewson, a Pocket Case of Instruments, for the best Record of Anomalies made in the dissecting-room.

Orthopedics Prize. By Professor H. Augustus Wilson, a Gold Medal, for the best Examination in Orthopedic Surgery.

Pediatrics Prize. By Professor Graham, Twenty-five Dollars, for the best Report on his Clinics.

Genito-Urinary Prize. By Professor Horwitz, Twenty-five Dollars, for the best Examination in Genito-Urinary Surgery.

Clinical Obstetrics Prize. By Professor Davis, Twenty-five Dollars, for the best Report of his Clinics.


Dermatology Prize. By Professor S. MacCuen Smith, Twenty-five Dollars, for the best Examination in Dermatology.

Laryngology Prize. By Professor Kyle, Twenty-five Dollars, for the best Original Essay on a subject pertaining to Laryngology and Rhinology.

W. B. Saunders Prize. Twenty Volumes complete of Saunders's Medical Hand Atlases, to the student who passes the best General Examination at the end of the senior year.

Out-Patient Obstetric Prize. By Dr. W. H. Wells, Demonstrator of Clinical Obstetrics, a Case of Instruments, for the best Report of work in Out-Patient Maternity Service.

INFORMATION FOR STUDENTS

The personal expenses of the student are at least as low in Philadelphia as in any other large city. Students can board comfortably for from $4 to $5 per week, fire and light included; and those who are willing to live at some distance from the College, or to club together in lodging-rooms, can live at lower rates.

Students will save time and expense by going directly to the College, corner of Tenth and Walnut Streets, on their arrival in the city. The clerk will at once see that they are provided with board.

Students are advised to register and procure their tickets without delay, as numbered seats are given in the order of registration. The Dean can be seen at his office, in the College building, every day, during the term, from 10 A. M. to 12 M., or at such times as he may hereafter announce.

Any student will receive the Jefferson College Hand-Book, by writing to the Inter-Collegiate Secretary, Y. M. C. A., at Fifteenth and Chestnut Streets, Philadelphia.

All business connected with the College is transacted at the office of the Dean.

Students are advised to pay fees by check for the exact amount. Remittances for other expenses should be in Postal money-orders or Drafts or notes by express, as the College will not endorse checks for private expenses.

Letters on business of exclusive interest to the writer must inclose a stamp to secure attention.

By the Faculty: J. W. HOLLAND, M.D., Dean.

Approved by the Board of Trustees: WM. POTTER, President.
SIMON GRATZ, Secretary.
Dr. I. E. Levey

Dr. J. Leslie Davis  Laryngol.