

1904

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

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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 DE-
POSIT \$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 AD-
DRESS, 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 ASSO-
CIATION.
- June 1st ANNUAL DINNER.
- June 2d ANNUAL COMMENCEMENT.

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President.

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Treasurer.

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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.

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

JAMES C. WILSON, M.D., Professor of Practice of Medicine and Clinical Medicine, No. 1509 Walnut Street.

E. E. MONTGOMERY, M.D., LL.D., Professor of Gynecology, No. 1703 Walnut Street.

W. M. L. COPLIN, M.D., Professor of Pathology and Bacteriology, Jefferson Medical College.

EDWARD P. DAVIS, M.D., Professor of Obstetrics, No. 250 South 21st Street.

F. X. DERCUM, M.D., Professor of Nervous and Mental Diseases, No. 1719 Walnut Street.

J. CHALMERS DA COSTA, M.D., Professor of Principles of Surgery and Clinical Surgery, No. 2045 Walnut Street.

HOWARD F. HANSELL, M.D., Professor of Ophthalmology, No. 1528 Walnut 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.

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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.

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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.

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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.

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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. KNIPE, 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 Syndes-mology.
E. RUSSELL KENNEDY, M.D., Demonstrator of Pharmacy and Materia Medica.

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- THOMAS COOK STELLWAGEN, JR., M.D., D.D.S., Prosector and As-sistant Curator.

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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. APPLEMAN, M.D., Instructor in Therapeutics.
HOWARD DEHONEY, M.D., Assistant Demonstrator of 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.
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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.
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C. S. BARNES, M.D., Assistant Demonstrator of Gynecology.
L. F. APPLEMAN, 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 Bac-teriology.
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.
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R. REESER, M.D., Instructor in Pediatrics.
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JAMES BEEBE, Assistant in Chemistry.
HENRY G. GODFREY, M.D., Assistant Demonstrator of Clinical Medi-cine.
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.
ERNEST H. MAIER, Assistant in Physiology.

JEFFERSON MEDICAL COLLEGE HOSPITAL

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

W. JOSEPH HEARN, M.D., Professor of Surgery.

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HENRY M. STELWAGON, M.D., Professor of Dermatology.

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

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HENRY LEFFMAN, M.D., Pathological Chemist.

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

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

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

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

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

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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 LEFCOWITZ, M.D., Assistant Pediatricist.

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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.

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Assistants.—J. P. BOLTON, M.D., F. E. DOLSON, M.D., T. D. TAGGART, M.D., HARRY HUDSON, JR., M.D.

A. GUSTAV GEFVERT, Mechanician.

Registrar.—JOHN R. HOSKINS.

DISEASES OF CHILDREN

CHARLES LEFCOWITCH, M.D., Chief Clinical Assistant.

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EMANUEL J. STOUT, M.D., Chief Clinical Assistant.

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MARY LOUISA POPE Masseuse.

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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. HORINSTEIN, M.D.

EIGHTIETH ANNUAL ANNOUNCEMENT

OF THE

JEFFERSON MEDICAL COLLEGE

ORGANIZATION.

The Jefferson Medical College was first organized in 1825 as the medical department of the Jefferson College at Canonsburg, Pa. The first class was graduated in 1826 and for each of the subsequent seventy-nine years other classes have received the medical degree. In 1838, the Legislature of Pennsylvania conferred upon it a separate University charter making it an independent corporation "with the same powers and restrictions as the University of Pennsylvania."

The properties of the college and hospital are held and their financial and educational interests are administered for the benefit of the students of the College by a perpetual Board of Trustees who must take oath before the presiding judge of the Court of Common Pleas for the faithful fulfillment of their trusts. The medical faculty receive salaries fixed by the Board of Trustees who appoint them to office. The details of instruction, examination and discipline are delegated to the Administrative Committee of the Faculty subject to the approval of the Board of Trustees.

Among the men of national reputation who have held its chairs may be named, George McClellan, Daniel Drake, Nathan R. Smith, Robley Dunglison, Joseph Pancoast, J. K. Mitchell, Thomas D. Mütter, Charles D. Meigs, Franklin Bache, S. D. Gross, Samuel H. Dickson, Robert E. Rogers, the younger Gross and J. M. Da Costa.

THE COLLEGE BUILDINGS.

The college buildings are situated on the corner of Walnut and Tenth Streets, and on Sansom Street between Tenth and Eleventh. They consist of the Medical Hall, the Laboratory Building, and the Jefferson Medical College Hospital. The Jefferson Maternity is situated on Washington Square, at 224 South Seventh Street.

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 equaled. 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 Otolaryngology, 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.

a.—*English Grammar*,—including analysis of easy sentences, and *Composition*.

As in Reed and Kellogg's Advanced lessons in English.

b.—*Latin*,—grammar, exercises, vocabulary, translations; and the reading and the translating of at least twenty-five chapters (Book I) of Cæsar's Commentaries.

As in Bennett's Foundations of Latin; and any standard edition of Cæsar.

HISTORY.

a.—*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.

* The examinations by the State Examiners of Pennsylvania are held at Philadelphia in the Robert Vaux School Building, Wood Street below Twelfth, at 9 o'clock A. M., June 11th, September 24th and October 7th. The different States have different standards for the preliminary education. The student is earnestly advised to qualify himself under his State law and receive the medical student's certificate from the State authorities before entering upon his medical studies. Failure to do so early may entail hardships later on that might have been avoided.

b.—*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.

a.—*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.

b.—*Algebra*,—including the fundamental operations, factoring, fractions, simple equations of one or more unknowns.

As in Wentworth's Elements of Algebra.

SCIENCE.

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 (Cæsar, Virgil or Cicero), second year's work; Physiology, one year; Chemistry, one year; Botany, one year; Zoölogy, 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-

biology, 210 hours; Chemistry, 210 hours; Physics, 210 hours; Physiology and Zoölogy, 140 hours, are admitted to the Sophomore Class under the following conditions: During this year they must take *Materia Medica* and Pharmacy (including the laboratory work) and at the end of the year be examined in them. At the end of the sophomore year they must also have completed the dissection of the entire human body and be examined in the entire subjects of Anatomy and Physiology. They have the option of taking freshman Anatomy and Physiology at the end of their sophomore year, and their sophomore-year Anatomy and Physiology at the end of their junior year. There will be no charge to this class of students for dissections in their junior year.

FROM OTHER MEDICAL COLLEGES.

Every applicant for advanced standing, including graduates of medicine, will be required to present credentials from an accredited medical college, showing "passed cards" and satisfactory attendance upon courses equivalent to those already attended by the class to which he seeks admission. If he has passed in the majority of branches he may make up his deficiencies on admission, or be received under "conditions," in the minority of branches, which he must be clear of when the session closes.

MEDICAL POST-GRADUATES AND SPECIAL STUDENTS.

Graduates in medicine desiring to take the work of the senior year, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance, on completing the full course satisfactorily. The attention of medical graduates is invited to the clinical advantages afforded by the many hospitals of Philadelphia and especially by the unsurpassed work of our own college hospital. (See page 11.) Advanced teaching in all the special departments is a conspicuous feature of the curriculum. Courses of instruction are offered in all the branches of practical and scientific medicine. The details are given on pages 20, 21 and 22 of this circular.

GRADUATES OF PHARMACY.

Graduates of recognized Colleges of Pharmacy will be given credit for the work which they have done in inorganic Chemistry, *Materia Medica* and Pharmacy, and will be excused from the lectures, laboratory work and recitations upon these subjects in the freshman year. The fee for the freshman year to Graduates of Pharmacy will be \$130.

CLASS PROMOTIONS AND CONDITIONS.

In order to advance with his class to a higher grade, or be eligible for the October examination on conditioned branches, a student must

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.

GENITO-URINARY 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 OTOTOLOGY.

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 Stelwagon 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 important 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-MORTEM.—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 set. 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 is essential for students desiring familiarity with the normal process of development—the intra-uterine growth of the embryo, the formation of the placenta, etc.,—and the errors in developmental processes that end in the production of malformations.

THE LABORATORY OF MORBID HISTOLOGY.—This Laboratory occupies the fourth story of the new Laboratory building. The regular undergraduate instruction in this department consists in the sectioning, mounting and study under the microscope of diseased tissues. 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 trifling 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-

mals. 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.

RECITATIONS 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.

FRESHMAN YEAR.

Anatomy.—One lecture, ten hours of dissection, three demonstrations in Osteology, three demonstrations in Syndesmology per week, and three in Visceral Anatomy, with recitations.

Normal Histology.—One recitation per week throughout the term, and eighteen hours' laboratory instruction per week for part of the term.

Bacteriology.—One recitation per week throughout the term. The latter part of this course is devoted to animal parasites.

Physiology.—One lecture per week and four hours of laboratory instruction per week for a period of six weeks.

General Chemistry and Toxicology.—Two lectures, two recitations and six hours of laboratory instruction per week one-fourth of the term.

Materia Medica and Pharmacy.—Two hours of laboratory work four days a week and a lecture and recitation per week for the session.

Bandaging.—Four hours of practical instruction per week for part of the term.

Embryology.—Practical instruction six hours per week for part of the term.

Examinations will be held at the close of the term in Anatomy (Osteology, Syndesmology, Myology), Normal Histology and Embryology, Elementary Bacteriology and Parasitology, Physiology (Digestion, Absorption, Circulation, Animal Heat, Respiration and Excretion), General Chemistry and Toxicology, Materia Medica and Pharmacy and Bandaging.

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

SOPHOMORE YEAR.

Anatomy.—Three lectures, ten hours' dissection per week and recitations over the cadaver weekly for half the term.

General Pathology.—Two lectures and one recitation per week.

Hygiene.—One lecture per week.

Pathological Histology.—Seventeen hours of laboratory work and recitations per week part of the term.

Physiology.—Two lectures per week and four hours of laboratory instruction per week for a period of six weeks.

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 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.

TEXT-BOOKS.

FIRST YEAR.

Text-Books. Required.

Physiology.—Chapman; Brubaker.

Chemistry.—Simon; Holland on the Urine, the Common Poisons, and the Milk.

Anatomy.—Morris; Gray; Holden's Dissector, by Hewson.

Materia Medica.—Hare's Text-Book of Practical Therapeutics; Thornton's Prescription Writing.

Histology.—Stohr.

Bacteriology.—Manual of Bacteriology; Muir and Ritchie; Coplin's Manual of Pathology.

Embryology.—Minot, A Laboratory Text-Book of Embryology.

Books of Reference. Not Required.

Chapter on Inorganic Poisons by Holland in Peterson and Haines Legal Medicine and Toxicology.

Sadtler and Trimble, Medical and Pharmaceutical Chemistry.

Architecture of the Brain, by Fuller.

Quain.

Sternberg; Cruikshank.

SECOND, THIRD AND FOURTH YEARS.

Text-Books. Required.

Physiology.—Chapman; Brubaker.

Medical Jurisprudence.—Chapman.

Chemistry.—Holland on the Urine, the Common Poisons, and the Milk.

Anatomy.—Morris; Gray.

Therapeutics.—Hare; Hayem's Physiological and Natural Therapeutics.

Surgery.—An American Text-Book of Surgery.

Hygiene and Public Health.—Coplin and Bevan.

Obstetrics.—Davis.

Gynecology.—Montgomery on Practical Gynecology.

Pediatrics.—Holt on Diseases of Children.

Pathology.—Ziegler; Coplin's Manual of Pathology.

Practice of Medicine.—The American Text-Book of the Theory and Practice of Medicine.

Laryngology and Rhinology.—Cohen; Kyle.

Dermatology.—Stelwag's Essentials of Diseases of the Skin; Stelwag's Treatise on Diseases of the Skin.

Neurology.—Dercum; Chapin on Insanity.

Otology.—Barr; Volume IV., Chapter on Diseases of Ear in Hare's System of Practical Therapeutics.

Ophthalmology.—Hansell and Sweet.

Genito-Urinary Surgery.—Taylor on Venereal Diseases; Finger on Gonorrhoea; Harrison on Surgical Diseases of the Urinary Organs.

Medical Dictionaries.—Dunlison; Gould; Duane; Dorland.

Books of Reference. Not Required.

Taylor's Medical Jurisprudence.

Ogden on the Urine.

Simon's Chemical Diagnosis.

Quain.

Hare's System of Therapeutics.

Warren's Surgical Pathology; Gross' Surgery; J. Chalmers Da Costa's Modern Surgery.

American Text-Book of Obstetrics.

American Text-Book of Gynecology; Keating and Coe; Practical Gynecology.

American Text-Book of Pathology.

Da Costa's Medical Diagnosis; Bartholow's Practice of Medicine, Strimpell's Practice of Medicine; Hare's Practical Diagnosis; Vierordt's Medical Diagnosis; J. C. Da Costa, Jr.'s Clinical Hematology.

Unna's Histopathology of the Diseases of the Skin; Duhring's Cutaneous Medicine; Stelwag's Hand Atlas; Javisch's Haut Krankheiten; Hallopeau and Leredes Dermatologie.

Gower's Diseases of the Nervous System.

Dench; McBride on Diseases of Throat, Nose and Ear.

System of Diseases of the Eye; Muscular Anomalies by Hansell and Reber.

Veasey's Ophthalmic Operations as Practiced on Animals' Eyes.

Veasey Manual of Diseases of the Eye.

Senn on Tuberculosis of the Genito-Urinary Organs; Jacobson on Diseases of the Male Organs of Generation; Cardinal Symptoms of Urinary Diseases, by Fenwick.

American Text-Book of Genito-Urinary Diseases, Syphilis and Diseases of the Skin.

Rotch's Pediatrics.

Order of Lectures and Practical Instruction

FRESHMAN YEAR *

HR.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	HR.
9		Recit. in Histology	Dissection and Sections in Pharmacy Histology or Penna. Hospital Syn-desmology	Sections in Histology Osteology Pharmacy and Syn-desmology	Sections in Histology Osteology Pharmacy and Syn-desmology	Dissection and Sections in Practical Histology Pharmacy or Penna. Hospital Syn-desmology	9
10	Dissection and Sections in Chemical Laboratories	Dissection and Sections in Chemistry Osteology and Histology					10
11	Osteology Physiology and Histology						11
12			Holland Chemistry and Toxicology	Holland Chemistry and Toxicology	Chapman Physiology	Thornton Recitation in Materia Medica	12
	Dissection 3 hours or	Dissection 3 hours or	Dissection 3 hours or	Dissection 3 hours or	Dissection 3 hours or		1
2	Embryology or Visceral Anatomy 2 hours	Embryology or Visceral Anatomy 2 hours	Embryology or Visceral Anatomy 2 hours	Embryology Bandaging or Visceral Anatomy 2 hours	Embryology Bandaging or Visceral Anatomy 2 hours		2
5	Thornton Recitation Materia Medica	Forbes Anatomy	Hewson Anatomy	Recitation in Bacteriology	Hewson Anatomy		5

* Subject to alteration

SOPHOMORE YEAR *

HR.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	HR.
9	Pathological Histol.	Pathological Histol.	Dissection Sections in Clinical Chemistry and Post-mortems and Physical Diagnosis	Sections in Clinical Chemistry Physiology and Pathological Histology and Physical Diagnosis	Sections in Clinical Chemistry and Post-mortems	Dissection Sections in Clinical Chemistry Pathological Histology Physiology	9
10							10
11	Da Costa Surgery	Da Costa Surgery					11
12	Chapman Physiology Med. Juris. after Feb. 22d	Chapman Physiology Med. Juris. after Feb. 22d	Coplin Pathology	Patholog. Histol. and Physical Diagnosis in Sections	Cohen Semeiology	Holland Clinical Chemistry	12
1	J. C. Wilson or Hare Medical Clinic	Recitation in Pathology	Keen Surgical Clinic Jefferson Hospital	J. C. Wilson or Hare Medical Clinic	Coplin Pathology	Hearn or Da Costa Surgical Clinic Jefferson Hospital	1
3	Dissection 2 hours Sections in Pathological Histology	Dissection 2 hours Sections in Pathological Histology	Dissection 2 hours	Dissection Brubaker After Feb. 1st Hygiene	Dissection Forbes After Jan. 1st Anatomical Examination	Post-mortem	3
4							4
5	Forbes Anatomy	Hare Therapeutics	Forbes Anatomy	Hewson Anatomy	Hare Therapeutics		5

* Subject to alteration

JUNIOR YEAR *

HR.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9	Sections in Bacteriology or Hematology Also from 2.30 to 4	Sections in Bacteriology or Hematology Also from 2.30 to 4	Dissection Bacteriology or Hematol. Also from 2.30 to 4	Sections in Bacteriology or Hematology Also from 2.30 to 4	Sections in Bacteriology or Hematology Also from 2.30 to 4	
10						
11	Brinton Surgery	Brinton Surgery	Section in Operative Obstetrics	Horwitz Genito-ur. Clinic	Fisher and Bland Gynecology first half Pickett and Ellis Recitations in Neuro-pathology and Hematology	
12		Coplin Pathology	Pennsylvania and Philadelphia Hospitals	Coplin Pathology	Recitation in Obstetrics	Philadelphia and Penna. Hospitals
1	J. C. Wilson or Hare Medical Clinic	Montgomery Gynecol. Clinic	Keen Surgical Clinic Jefferson Hospital	J. C. Wilson or Hare Med. Clinic	Recitation in Pathology	Hearn or Da Costa Surgical Clinic Jefferson Hospital
3	Morbid Anatomy, Fracture Dressing	Morbid Anatomy, Fracture Dressings	Morbid Anatomy, Fracture Dressings	Morbid Anatomy	Morbid Anatomy	2 P. M. Morbid Anatomy Post-mortem
4	Recitations in Surgery 4.30 to 5.30 Cohen Philadelphia Hospital	J. C. Wilson Practice of Medicine	J. C. Wilson Practice of Medicine	Davis Obstetrics	J. C. Wilson Practice of Medicine	
5		Hare Therapeutics	Davis Obstetrics	Operative Obstetrics	Hare Therapeutics	
8	Recitations in Practice of Medicine	Operative Surgery	Operative Surgery	Operative Surgery	Recitations in Practice of Medicine	

*Subject to alteration

SENIOR YEAR *

HR.	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8.30	Ward Classes	Ward Classes		Ward Classes	Ward Classes	
9		Sections—Heineberg Gynecology	Sections—Spencer Surgery	Sections—H. A. Wilson Orthopedics		Sections—Stewart Surgery H. A. Wilson Orthopedics
10	Smith Ear Clinic	Graham Recitation in Pediatrics	Kyle Throat and Nose Clinic	Montgomery Gynecology	H. A. Wilson to Jan. 18 Orthopedics	Bochroch Electro-Therap. to Jan. 19th
11	Stelwagon Skin Clinic	H. A. Wilson Orthopedic Clinic	Horwitz Genito-Urinary Surgery	Horwitz Genito-Urinary Clinic	Dercum Neurological Clinic	Graham Children Clinic
12	Sections—Graham Medicine Roe Surgery Brinton Medicine Foulkrod Gynecology Gordon Neurology	Sections—Dare Medicine Brick Surgery Da Costa Medicine Kirkpatrick Throat Children	Sections—Godfrey Medicine Maier Gynecology Gen.-Urinary Neurology	Sections—Graham Medicine Buchanan or McIntosh Brinton Medicine Fisher Gynecology Kyle Throat Rough Orthopedic	Sections—Dare Medicine Hearn Surgery Da Costa Medicine Barnes Gynecology	Sections—Godfrey Medicine Katterer Medicine Fisher Gynecology Loux Genito-Urinary Rough Orthopedic
1	J. C. Wilson to Jan. 19 H. A. Hare after Jan. 19 Medical Clinic	Montgomery Gynecology Clinic	Keen Surgical Clinic	J. C. Wilson to Jan. 19 H. A. Hare after Jan. 19 Medical Clinic	Sections—Stout Skin Graham Children	Hearn or Da Costa Surgical Clinic
3	Sections—Hansell and Sweet Eye to Feb. 1 Appleman Prescription Writing	Sections—Sweet Eye to Feb. 1 Davis Obstetric Clinic Klopp Ear	Sections—Hansell and Sweet Eye to Feb. 1 Obstetric Clinic	Sections—Hansell and Sweet Eye to Feb. 1 Klopp Ear	2.45 Hansell Eye Clinic	Sweet Eye to Feb. 1 Phila. Hosp. Pickett Insanity
4	Kieffer Tropical Medicine	J. C. Wilson Practice	J. C. Wilson Practice	Spencer Recitations in Surgery Alternate weeks	J. C. Wilson Practice	Phila. Hosp. Gordon Nervous Diseases One Section
5	Davis Obstetric	Dercum Mental Diseases	H. A. Hare Special Therapeutics and Recitation	Keen Surgery	Davis Obstetric Clinic Sections	
8	Da Costa Recitation Practice				Katterer Recitation Practice	

*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.	Fogarty, Charles William	Minn.
Akers, Andrew Franklin	Pa.	Foster, Wilbur Allen	Pa.
Allen, Frederick Blunt	N. Y.	Garretson, William	Pa.
Allen, Charles Walker	Va.	Gibson, Albert Mathew	Ala.
Allison, Lucian Dent	Pa.	Gilmore, Wilbur Hawley	Ill.
Armstrong, Thomas Smith	Pa.	Goodman, Bert Edward	Ohio
Baines, Matthew Carroll	Pa.	Gormley, James Aloysius	N. J.
Baltz, Samuel Austin	Pa.	Green, Max	Pa.
Bell, David Major	Pa.	Harrington, James L.	Conn.
Bennett, Clarence Elmer	Pa.	Harrison, John Francis	Conn.
Biehn, William Milton	Pa.	Harsha, Charles Lloyd	Pa.
Blankemeyer, Henry John, Jr.	Pa.	Hart, Charles Vincent	Pa.
Borneman, John Henry	N. C.	Hay, George	Pa.
Boyce, Lee	Pa.	Hazlett, Frank Leslie	Pa.
Bryson, John Frampton	Pa.	Heed, Charles Rittenhouse	Pa.
Burg, Stoddard Somers	Pa.	Heim, Lyman David	Pa.
Calhoun, Howard Boyd	Pa.	Heisler, Frank Joseph	Pa.
Calhoun, Howard Boyd	Pa.	Henry, Albert Leon	Pa.
Campbell, Walter Lowrie	Pa.	Hess, Adolph	Pa.
Carney, Samuel David	Pa.	Heyser, Jonas Edward	Pa.
Carroll, Thomas Benjamin	Ohio	Hillard, James Pearse	Mass.
Chamberlain, Leslie	N. Y.	Hixson, George William	Ohio
Clagett, Augustus Henry	Pa.	Hoffman, Charles Wilbur	W. Va.
Cooper, Herbert	Mass.	Holston, John Geo. Fred'k, Jr.	Ohio
Cohen, Abraham Joseph	Pa.	Howell, Samuel McKeehan	Pa.
Conger, William Watson	Mich.	Hudson, Harry, Jr.	Pa.
Corwin, James Howell	Pa.	Hutzel, Oliver L.	Pa.
Cotham, Edward Ralph	Ark.	Hyskell, William Emory	Pa.
Cottrell, Emile Lester	Cal.	Imboden, Harry Miles	Pa.
Crane, Harold Hayes	Me.	Ireland, Frederick W.	N. Y.
Crow, Arthur Everett	Pa.	Jones, John Bayley	Pa.
Dana, Lawrence Wellington	Pa.	Kane, Clinton Austin	Md.
Davis, George Anthony	Conn.	Katz, Meyer Joseph	Pa.
Eastwood, Edmund	N. J.	Kerr, William Edmunds	Ohio
Edwards, William McEwen	Wis.	Kiefer, Raymond Arndt	N. J.
Eisenhower, Charles Wilhelm	Pa.	King, Richard Morrison	N. C.
Ellison, Thomas	Pa.	Kissinger, Walter Cealey	Pa.
Farquhar, Rahleigh Claude	Pa.	Koser, Martin Luther	Neb.
Flatley, John Walter	Pa.	Kriebel, Asher G.	Pa.
Fledderjohann, Ferdinand Fred'k Ohio			

Kunkel, Oscar Franklin	Pa.	Reber, Conrad Samuel	Pa.
Laidlaw, Frank Winfield	N. Y.	Reed, Henry David	Pa.
Larkins, Clyde Raymond	Ohio	Reed, Marvin Warren	Pa.
Loewy, Ignatz David	Pa.	Reidy, John Aloysius	Pa.
Logan, Edward Johnson	R. I.	Reser, William Marvin	Ind.
Loper, John C.	N. J.	Roberts, William Pusey	Pa.
Luck, Benjamin D.	Ark.	Robison, Clair Edward	Pa.
McCormick, Arthur Foster	Pa.	Rodgers, William Henry	Ohio
McKemy, John William	Ohio	Rose, Horace Lewis	N. J.
Manges, Willis Fastnacht	Pa.	Sauer, Emil	Mass.
Manning, Charles LaForge	N. J.	Saxton, Silas Warren	Pa.
Mayhew, Charles Holmes	N. J.	Schenck, Daniel Scott	Ia.
Mervine, Robert Batten	Pa.	Schnader, Amos Bowman	Pa.
Miller, Henry Ernest	Pa.	Schoolman, Noah	Pa.
Miller, John Hume	S. C.	Schwartz, Lorraine L.	Pa.
Miller, Richard Oliver	Pa.	Scott, Hiran Chinsworth	Pa.
Miller, Walter Marion	Pa.	Sewall, Millard Freeman	Me.
Mitchell, Henry Chalmers	Pa.	Sherger, John Adam	Pa.
Moore, Darius Carrier	Pa.	Sheridan, Lawrence Aloysius	Pa.
Morret, Henry Eckert	Pa.	Shimoon, Joseph	Persia
Moser, Raymond Anson	Pa.	Slifer, Walter Levi	Pa.
Munroe, Henry Stokes	N. C.	Smith, Frederick Charles	Minn.
Munsch, Augustin Philip	Pa.	Smith, Howard Sedgwick	N. J.
Murphy, Francis Aloysius	Pa.	Smith, Lawrence De Haven	Del.
Myers, Edward Ralph	Pa.	Stanton, John Joseph	Pa.
Mylin, Walter Franklin	Pa.	Stellwagen, Thomas Cook, Jr.	Pa.
Neil, Thomas Franklin	Pa.	Stevenson, George	N. Y.
Neptune, Norman William	Ohio	Stewart, Robert Armstrong	Pa.
Newcomb, Marcus Ward	N. J.	Strayer, Walter Addison	Ohio
Nickel, James Edward	Pa.	Swan, James Hayes	Pa.
North, Henry Urban	Pa.	Thomas, James William	Ore.
O'Brien, John Daniel	Pa.	Thompson, Winfield Otis	Kan.
Ogilvie, Roy K.	Mo.	Tinney, Alfred Grant	Pa.
Oglevee, Thomas Edison	Pa.	Todd, Clarence Milton	N. Y.
O'Neil, Michael Joseph	R. I.	Tomlinson, William Hibbs	Pa.
Patterson, Robert Mehard	Pa.	Ullman, Jacob Sontheimer	Miss.
Peltz, Philip Malcolm	Pa.	Ullom, Frank Sellers	Pa.
Petitjean, John William	Ind.	Ward, Todd Pope	Ill.
Pilling, George Platt, Jr.	Pa.	Ward, William John	N. Y.
Platt, Thomas Heritage, Jr.	N. J.	Washabaugh, William Braham	Pa.
Plymire, Isaac Swartz	Pa.	White, Francis William	R. I.
Prothero, Harold Ney	Pa.	Whitehead, Ira Bratton	Pa.
Quiney, James J.	N. J.	Whitmore, George Byron	N. Y.
Ralston, James Curtis	Pa.	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	2
Rhode Island	3	Delaware	1

Maryland	I	Kansas	I
Virginia	I	Missouri	I
Iowa	I	Nebraska	I
West Virginia	I	Alabama	I
Oregon	I	Michigan	I
California	I	South Carolina	I
Kentucky	I	Persia	I
Mississippi	I		
Georgia	I	Total	166
Wisconsin	I		

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

HONORARY DEGREE.

The honorary degree of Doctor of Laws was conferred upon Geheimrath Johann von Mikulicz-Radecki, Professor of Surgery in the University of Breslau.

PRIZES.

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 on the recommendation of the Professors of Surgery, to the graduate in their opinion most worthy, to Emile 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 Ferguson 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 Ira Bratton Whitehead, of Pennsylvania, with honorable mention of Willard Freeman Sewall.

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

Pathology Prize. A Gold Medal, for the best Examination in Pathology, to Thomas Cook Steliwagen, 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 Pediatrics Prize. By Professor Graham, Twenty-five Dollars, for the best Report on his Clinics, to Norman William Neptune, with honorable mention of William Edmunds Kerr.

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.

Clinical Ophthalmology Prize. By Professor Hansell, Twenty-five Dollars, for the best Report of his Clinics, Robert Batten Mervine, with honorable mention of George Anthony Davis.

Clinical Otology Prize. By Professor S. MacCuen Smith, Twenty-five Dollars, for the best Examination in Otology, to William H. Tomlinson, with honorable mention of Henry Stokes Munroe and Edwin Rahn Fleming.

Clinical Dermatology Prize. By Professor Stelwagon, Twenty-five Dollars, for the best Examination in Dermatology, to William Edmunds Kerr, with honorable mention of William Emory Hyskell.

Clinical Laryngology Prize. By Professor Kyle, Twenty-five Dollars, for the best Original Essay on a subject pertaining to Laryngology and Rhinology, to Frederick Charles Smith, with honorable mention of Marvin Warren Reed and William H. Tomlinson.

Clinical Laryngology Prize. By Professor Jones, Twenty-five Dollars, for the best Report of his Clinics, to John Walter Flatley.

Alumni Prize. By the Alumni Association, a Medal for the best General Average gained in the examinations for the entire curriculum, to John Joseph Stanton.

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

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, to George William Hixson, with honorable mention of Lorraine L. Schwartz and Abraham Joseph Cohen.

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.
- A. H. CLAGETT.—Prince of Peace Maternity, Philadelphia, Pa.
Atlantic City Hospital, N. J.
- A. J. COHEN.—Jewish Hospital, Philadelphia, Pa.
- 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.
Jefferson Hospital.

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.
Fordham Hospital (Substitute), New York City.
Pottsville Hospital, Pa.

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.—Phoenixville Hospital, Pa.
Jewish Hospital, Philadelphia, 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.
Jefferson Hospital (Substitute).

R. O. MILLER.—Easton Hospital, Pa.

W. M. MILLER.—Philadelphia Hospital.
Atlantic City Hospital, N. J.

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. MUNSCH.—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.
Jefferson Hospital (Substitute).

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.
West Pennsylvania Hospital, Pittsburg, Pa.

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

C. E. ROBISON.—Altoona Hospital, Pa.

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

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

H. C. SCOTT.—German Hospital, Philadelphia, Pa.

M. F. SEWALL.—St. Agnes' Hospital, Philadelphia, Pa.

JOHN A. SHERGER.—Harrisburg Hospital, Pa.

L. A. SHERIDAN.—Mercy Hospital, Wilkesbarre, Pa.

W. L. SLIFER.—Philadelphia Hospital.

F. E. SMITH.—Anatolia College Hospital, Turkey-in-Asia.

HOWARD S. SMITH.—West Pennsylvania Hospital, Pittsburg, Pa.
Atlantic City Hospital, N. J.

JOHN J. STANTON.—Reading Hospital, Pa.
St. Francis' Hospital, Pittsburg, Pa.
St. Joseph's Hospital, Philadelphia.

THOS. 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.
Jefferson Hospital (Substitute).

F. S. ULLOM.—West Pennsylvania Hospital, Pittsburg, Pa.

W. J. A. WARD.—St. Francis Hospital, Trenton, N. J.
Easton Hospital, Pa.

W. B. WASHABAUGH.—Soldiers and Sailors' Home, Erie, Pa.
Jefferson (Substitute).

F. W. WHITE.—Philadelphia Hospital.
Jefferson (Substitute).

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

HERRING WINSHIP.—Macon Hospital, Ga.

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

The total number of hospital appointments, 118.

MATRICULATES

SESSION 1903-1904

SENIOR STUDENTS.

Abbott, Frank Cook Pa.	Donahoe, John Patrick Pa.	Kilgus, Harry E. Pa.	Reinemund, Charles Adam Iowa
Abbott, John George Minn.	Edie, Elliott Bard Pa.	King, Harry Howard N. Y.	Ridgway, William Frederick N. J.
Alexander, Eben, Jr. N. C.	Elder, James Clarence Ohio	Klein, Adam Raymond Iowa	Ritter, Henry Pa.
Alexander, Emory Graham N. C.	Ewers, Frank Adams Ohio	Lane, Harry Hamilton N. Y.	Riter, James Foster Ohio
Amsbry, Lewis Brownson Pa.	Eyanson, John Norbert Ind.	Larson, Edward Martin Iowa	Rogers, Jerome B. N. J.
Anderson, James Howard Pa.	Ferman, John Wesley Pa.	Lawless, Nicholas William N. J.	Rohrbach, James Nathan Pa.
Apple, Clarence Elwood Pa.	Ferrier, William Henry N. Y.	Lehman, George Weidner Pa.	Rouse, John, Jr. Pa.
Bader, Walter P. Pa.	Fishman, Abraham Pincos N. J.	Leventhal, Nathan Lewis Pa.	Ruhl, Levi Abertus Ohio
Barber, Raymond Pa.	Fleming, Edwin Rahn Pa.	Lewis, Cyril Ettrick Cal.	Rust, Emery Andrew Iowa
Barsumian, Hagop G. Turkey	Flemming, Major Ivy N. C.	Leytze, Frank Cornelius Iowa	Schaffer, Harry Abraham Pa.
Battle, Ivan Proctor N. C.	Forster, Andrew E. Pa.	Little, John Forsyth Pa.	Schaubel, Charles Wesley Pa.
Bausch, Frederick Rudolph Pa.	Fortner, Howard Garfield Pa.	Longfellow, Charles Fay Ill.	Schindwein, George William Pa.
Beckett, John Wesley Salter Md.	Fredrikson, Elam Albert Pa.	Luman, Clark McEwen Pa.	Schneider, Louis Theodore Pa.
Belaval, Jose Sastrano Porto Rico	Fuller, David Herman Mass	McCormack, Condon Carleton Ore.	Schug, George Frederick Iowa
Benson, Charles Walker La.	Fuller, Gaillard Botchford Ohio	McCracken, James Aloysius Pa.	Scott, Buckner Fairfax W. Va.
Bershad, Leonard Pa.	Gillespie, William Pounder, Jr., Pa.	Mackenzie, Egbert Gray N. J.	Segal, Julius Pa.
Bieberbach, Walter Daniel Mass.	Gillum, John Randolph Ind.	McLaughlin, Charles Molten Pa.	Serrill, William Wilfong Pa.
Biello, Joseph Albert Pa.	Goldberg, Maurice Pa.	McLean, McCormick Earle Pa.	Severs, George Harvey Pa.
Blair, James Dana Pa.	Goodman, Lee McKluskie Pa.	MacCullum, Wallace Peter Mass.	Seward, Doyle Miss.
Bonney, Charles Walter N. Y.	Gray, Stoddard Perry N. Y.	MacDonald, Alden B. Pa.	Sheldon, John Rufus Ill.
Botsford, Harry Levis W. Va.	Grier, George Washington N. J.	Magill, Hugh R. Mass.	Shenberger, William Jacob Pa.
Briggs, Miron Luke Pa.	Grove, John Odie Pa.	Meals, Roy Clark Pa.	Shirey, Harlan M. Ind.
Brody, Myer Pa.	Grumley, Edward Chauncey Fullerton N. J.	Meisle, Frederick Aaron Pa.	Shortt, William H. Pa.
Brown, Joel Daniel Pa.	Hall, James King N. C.	Melvin, Alexis Merritt Pa.	Shrom, Ralph Edwin Pa.
Bryant, Charles Henry Mass.	Hamati, Elias Essad Syria	Mervine, Graydon Duncan Pa.	Smith, George Pa.
Bryant, Charles Page Pa.	Harmon, Charles Henry N. H.	Mitchell, Atlee David Pa.	Smith, Joseph N. Y.
Buckingham, Harry Sheldon N. J.	Harper, Howard Cyrus Pa.	Monahan, Thomas A. Pa.	Smith, Owen N. C.
Burwell, Howard Beirme Ala.	Harris, Robert Edward Ga.	Moore, Wilson McKenery Pa.	Smith, Samuel Calvin Pa.
Callan, George John Pa.	Hartman, Gustave Sweden	Morris, Robert Pa.	Smith, William Francis Ill.
Campbell, M. D. Pa.	Heimer, Louis Benjamin Pa.	Mullison, Edwin Daniel Stimble, Pa.	Snyder, Howard Lincoln Kan.
Carey, Harris May Del.	Henry, Daniel Webster Pa.	Murphy, Eugene Francis Minn.	Sprague, Hugh Boley Utah
Carrier, Sidney Smith Pa.	Hensyl, William Curtis Pa.	Murray, Ralph Vorhees Ind.	Sprankle, Paul Darling Pa.
Carstarphen, William Turner N. C.	Hoffman, George Llewellyn Pa.	Murrin, Connell Edward Pa.	Spriggs, Lem. Walter Cal.
Charlesworth, Ralph Robert Pa.	Hope, John Ferguson Pa.	Muschlitz, Charles Henry Pa.	Stanley, Eugene Arthur Vt.
Chodoff, Louis Pa.	Hopwood, Lucius Locke Iowa	Muta, Samuel A. N. J.	St. Clair, Frank Earle E. Iowa
Coll, James Patrick Pa.	Jefferson, James N. J.	Nicholas, Samuel Pa.	Stempler, Harry Abraham Pa.
Condit, William Glasgow Iowa	Johnson, Thomas Hugh Pa.	Niles, William Gordon Cal.	Stevenson, Eber Fortner Iowa
Cottom, Frank Webster Ohio	Jones, William Thomas Miss.	North, Harry Ross N. J.	Stevenson, Eilerslie Wallace Pa.
Cowen, Harold David Iowa	Joseph, Louis Pa.	Oelke, Emil Heinrich Iowa	Stokes, John Wallace N. Y.
Crawford, B. Lampton Miss.	Kagey, Thomas J. Va.	O'Neill, Owen Conn.	Sullivan, Timothy Daniel Mass.
Crawford, James Calvin Pa.	Kaufman, Alexander Spencer Pa.	Parry, Evan Jenkins Pa.	Taylor, Jackson Pa.
Cunningham, George Aloysius Pa.	Keagy, Frank Pa.	Patterson, Francis Denison Pa.	Taylor, Walter Albert N. J.
Davis, William Price, Jr. Pa.	Keenan, W. H. Ohio	Patterson, Ross Vernet Ill.	Templin, Theodore B. Ind.
Davis, Frank Thomas, Jr. Pa.	Keidel, Victor Texas	Paulson, Andrew James Minn.	Thierman, Ernest Julius Iowa
Davitch, David H. Pa.	Kelley, Alfred Logan Del.	Peiffer, Charles Oscar Pa.	Thomson, John Danner Ga.
Dean, John Henry Tex.	Kennedy, William Morton Pa.	Penrod, Harry Hartzell Pa.	Topper, John Albert Pa.
Denman, Homer N. Y.	Kesler, Byron Linzie Utah	Petty, John Hood Texas	Towle, Clarence Clark Mass.
Dodge, Arthur Howard R. I.		Petty, Orlando H. Ohio	Treat, Ernest Pa.
		Pierce, Arthur Vannera Mass.	Trinder, John Holmes Pa.
		Porteous, Edward Johnston Pa.	Turner, Hunter Heiner Pa.
		Pritchard, Frederick Morris Pa.	Waggoner, LeRoy C. Pa.
		Pumphrey, Josiah Merton Ohio	Wagner, James Frederick Pa.
		Ransom, Frederick Page Ohio	Walter, Henry V. Pa.
		Rea, Clarence Galleher Ind.	Weed, Sherman Chauncey Conn.

Weinberg, Morris Pa.	Williams, James Thomas Cal.
Wellner, John Edward Pa.	Williams, Walter Edward Pa.
Werner, Julius Pa.	Willis, Herbert Pa.
Westley, Martin Daniel N. Da.	Wingate, Otis Lee Pa.
White, J. Norman N. Y.	Woods, Harry Robert Pa.
Whitehill, Ira Engler Md.	Woolley, Herbert N. J.
Wignall, Horace Lewis Walters N. J.	Zimmerman, Randall Pa.
Williams, Ernest Thornton Pa.	

JUNIOR STUDENTS.

Albertson, Charles Stuart Ind.	Eichman, Edward Aloysius Pa.
Alexander, William Archibald Pa.	Elder, Fred Orestes Mass.
Austin, Albert Elmer Mass.	Ellinger, Jacob Edgar Pa.
Barr, J. Walter Pa.	Ellis, Oliver J. N. H.
Bernatz, Clarence Frank Pa.	Ellis, Walter Winthrop Del.
Berry, Lawrence Francis Pa.	Evans, Horace Elmer Del.
Besser, David Valentine Pa.	Felton, Harry Moore Pa.
Beyer, Joseph Walter Pa.	Ferguson, Gilbert Aloysius Pa.
Blanchard, Howard E. R. I.	Fisher, Mulford Keane Pa.
Bloomfield, Maximilian David, Mass.	Fisher, William Henry Md.
Borland, James Carlyle Pa.	Fleming, Henry Craig Pa.
Bosworth, Robinson Vt.	Fluke, George Thomas Pa.
Boyd, William John Pa.	Fought, Edgar Newton Pa.
Boysen, Theophilus Henry, Jr., N. J.	Friedenberg, Samuel Pa.
Bramble, Halsey Sandford N. Y.	Gamble, Charles Delbert Ohio
Brandberg, Guy Alfred Pa.	Garrett, Charles Reece Iowa
Brewe, Arthur Jackson Pa.	Gaskill, Henry Kennedy Pa.
Brown, Ray Clifton Maine	Gearhart, Malcolm Zieber Pa.
Burkholder, John Lewis Pa.	Glenn, Nicholas Thomas Pa.
Caldwell, Morris Milton N. Ca.	Glick, William Henry Pa.
Carhart, Earl Clyde Ia.	Goostrey, George Francis B. C.
Carper, James Clayburne Va.	Gorman, John Francis Pa.
Chalker, Roy Elmer Fla.	Greenstein, Maurice Jacob Pa.
Clancy, Daniel Francis Mass.	Griffith, Dayne Hamilton Pa.
Clark, Warren Thomas N. J.	Hallett, Harley J. Ill.
Cline, Bernard McHugh Ga.	Hanchett, Harry Bigelow Conn.
Colbert, William T., Jr. Pa.	Harley, John Parker Pa.
Conaway, Benjamin Franklin, W. Va.	Harper, James Henry N. C.
Cooner, Charles C. Pa.	Harrison, Henry Hill N. C.
Cooney, Sidney Alexander, Mont.	Hayes, Charles Garfield Pa.
Cooper, Edward Mass.	Heisey, William Christian Pa.
Costanzo, James Joseph Conn.	Herfi, Ferdinand Peter Texas
Cregg, Francis Aloysius Mass.	Hoffman, Clarence Md.
Cronshore, Charles Calley Pa.	Hogue, John Daniel Pa.
d'Apery, Tello J. N. Y.	Holbrook, Clark Bates Mass.
Davenport, Fred'k Marshall Pa.	Hoskins, John Robinson Pa.
Davison, Seward Roland Pa.	Hoss, Sessler Tenn.
Dennis, Isaac J. B. Pa.	Howard, Harold Melnotte Mass.
Dodd, Ernest William Pa.	Jackson, Robert George Br. Col.
Donnelly, Robert T. Pa.	Jackson, Rice Robinson Texas
Doyle, George Ferguson Pa.	Jaffe, Jacob Karl Pa.
Dunn, Harrison Albert Pa.	Johnson, Livingston Franklin Pa.
Dwyer, James Eugene Pa.	Jones, Henry Orendorf Pa.

Jones, McMillan Ill.	Riley, Charles Allen Vt.
Kell, Ralph Chester Pa.	Robinson, William Arthur N. J.
Killian, Frederick William Pa.	Ross, William Fay Pa.
Knight, Guy Augustus Pa.	Ryan, John Timothy Pa.
Larimer, Parry Bernard Pa.	Saxe, Leroy Hallowell Pa.
Larrabee, Fay Frederick Maine	Scheetz, Herbert Nichols Pa.
Lee, Thomas Benjamin N. J.	Schneider, Emil Sebastian Pa.
Lehman, Charles Albert Pa.	Schwartz, Louis Pa.
Lerch, Charles Edmund Pa.	Shaw, Arthur Ernest N. Ca.
Levitt, Michael Lewis Pa.	Shea, Thomas Emmet Pa.
Levy, Joseph Jacob Pa.	Shuttleworth, Benjamin F. W. Va.
Lore, Harry Elmer N. J.	Sibley, Edward Rufus N. Y.
Luhr, Alfred Francis Pa.	Simpson, John Reid Pa.
McCallum, Chester Harold Pa.	Smathers, Frank Clifford Pa.
McCanna, John Milton Pa.	Smith, Paul Boyd Pa.
McCarthy, John William Mass.	Snyder, Howard McCrum Wyo.
McCarthy, Samuel Lloyd Pa.	Snyder, Wayne Lawson Pa.
McCready, Robert Purdon Pa.	Sonneborn, George Pa.
McCullough, Francis Joseph Pa.	Spence, George Sigars Pa.
McCullough, William Jonn L. Pa.	Stanton, James Justice Ind.
McDaniel, Roy Cowles Oregon	Stanton, James N. Pa.
McDowell, Ralph Walker Pa.	Starr, Edison Burns Ohio.
McKenna, William Bernard Pa.	Stern, Samuel Pa.
MacFarlane, James P Pa.	Stewart, Harry Myrrel Pa.
Mace, Lloyd Russell Pa.	Stringfield, Samuel Lanier N. C.
Magee, James Carre Pa.	Strong, Francis Xavier Pa.
Maier, Ernest George Pa.	Taylor, Paul James Va.
Miller, Oliver Joseph Fla.	Taylor, Richard F. Va.
Milliken, Lorenzo Fremont Pa.	Thomssen, Herbert William N. Y.
Miner, Harold Edson Mass.	Tibbins, Perry McDowell Pa.
Mitchell, Elmer Wesley Mass.	Treichler, Vere Pa.
Mohney, Irvin R. Pa.	Tucker, Gabriel Fred W. Va.
Morrison, Edward Lloyd Pa.	Underwood, James Harris N. J.
Moyar, Charles Clinton Pa.	Vaughan, Edward Mitchell Del.
Munford, Samuel Archer Ind.	Vincent, Isaac Raymond Pa.
NeuBurger, Gilbert Mord Pa.	Vosburgh, Stephen Earle Mass.
Newnan, Henry Joseph Eugene, Pa.	Wagner, Victor Carlyle Pa.
Norton, Thomas Joseph Mass.	Weber, Raymond Kantner Pa.
O'Connor, Harry Thomas Pa.	Weed, Mark Dye Pa.
Orenstein, Alexander Jeremiah, Pa.	White, Charles Clifton Pa.
Park, Thomas Creigh Pa.	Wiley, John Joseph Pa.
Penrose, Thomas William Pa.	Williams, Thomas Lamar Pa.
Pritchard, Arthur Thomas N. C.	Wilson, John Denniston Pa.
Raff, Alexander Berkley Pa.	Winters, William Joseph Pa.
Rains, Jesse Lewis Idaho.	Wood, James William Pa.
Reichard, Morris Hungary.	Wood, Walter Franklin N. J.
Reynolds, Victor M Pa.	Womack, Noel Catchings Miss.
Rhoads, Edward Elliott Pa.	Young, Roy Lowry Pa.
Riker, George A N. Y.	Ziegler, Fred Jay Ore.

SOPHOMORE STUDENTS.

Adams, Ralph Charles Pa.	Barnette, William Mason Conn.
Aydelotte, John Thomas Pa.	Beatty, Arthur William Md.
Bachman, Milton Homer Pa.	Beebe, James Del.

Benjamin, Floyd A.	N. Y.	Gordon, Samuel	Pa.	Murphy, Edward Leon	Pa.	Smith, Russell	Pa.
Betts, George Warren	Pa.	Granelli, Michael S.	N. J.	Muthart, Lewis J.	Pa.	Spears, Owen Crow	Del.
Betts, William Williams	Pa.	Gross, Julius Edward	Pa.	Neiman, Howard George	Pa.	Spivak, Louis	Pa.
Bigley, Francis Peter	Pa.	Guyot, J. DeVoine	Mo.	Niple, Dio Maine	Pa.	Stayer, Morrison Clay	Pa.
Blank, Henry	N. J.	Hance, Burtis Magie	N. J.	Norton, Roy Roscoe	N. J.	Steel, John M.	Pa.
Boice, James	Pa.	Hansel, George B.	Pa.	Novack, Harry	Pa.	Stevens, Harry Eldridge	N. J.
Bonelli, Victor E.	Miss.	Hempstead, Jacob	N. J.	Outerson, Andrew	Conn.	Steiner, John Martin	Pa.
Borzell, Francis Frank	Pa.	Hirsch, Henry Leon	Mass.	Parks, Clarence C.	Pa.	Strousse, Leo	Pa.
Boyer, George Edgar	N. J.	Hopwood, George Black	Pa.	Penton, Jose Luis	Cuba	Stuckert, Harry	Pa.
Bradley, John Aloysius	Pa.	Hopwood, William Hudson	Pa.	Phillips, Elliott Earle	Pa.	Sutton, Edward Lincoln	Pa.
Brewer, Frederick David	Pa.	Horwitz, Louis	Pa.	Prichard, Karl Campbell	W. Va.	Swallow, Frank Washington	Pa.
Bricker, Howard Edgar	Pa.	Howard, Leroy Downey	Pa.	Pritchard, William Clarence	Del.	Thissell, Henry Nelson	Pa.
Briggs, Erwin Sheridan	Pa.	Howe, Jesse Burket	Pa.	Raymond, Walter C.	Pa.	Thomas, George Carroll	Pa.
Broadbelt, Leedom Richard	Pa.	Hughes, James A.	Pa.	Renn, Roy Herman	Pa.	Thompson, Henry Merrill	Pa.
Broadfield, John Augustus	Pa.	Hustead, Frank Humbert	Pa.	Reynolds, George E.	Mass.	Topham, Bertram Everett	Pa.
Brown, Arthur Aloysius	Mass.	Huttenlock, Robert Edelman	Pa.	Richter, Henry Carl	Iowa	Uhler, S. Mann	Pa.
Brown, Walter Henry	Pa.	Isenberg, Alfred Percy	Pa.	Robinson, Benjamin	Pa.	Wagner, Fred Miner, Jr.	Pa.
Brundage, Robert Abner	Pa.	Jackson, James Allen	Ga.	Roddy, John Augustus, Jr.	Pa.	Wagner, William Edgar	Pa.
Bryan, Wallace Steele	Pa.	Jones, Edgar Clyde	Ohio	Roller, William Calvin	Pa.	Walson, Charles Moore	Del.
Bullock, Edwin Corlies	N. J.	Kinney, Willard Heil	Pa.	Scannell, Joseph William	Maine	Wang, Charles William	Pa.
Campbell, William Breden	Ohio	Kitchen, Joseph Samuel	Pa.	Schoening, John Jacob	Pa.	Weakley, William Stair	Pa.
Chapman, Ellis Jeakings	N. J.	Klopp, Edward Jonathan	Pa.	Sharp, Thomas Sweeney	Ala.	Weinstein, Morris Abraham	Pa.
Cogan, Richard Merwin	N. J.	Knight, Alfred John	So. Dakota	Shaw, Walter Corson	Pa.	Weiss, Harry	Pa.
Compton, John Milton	Pa.	Koegel, William Frederick H.	N. J.	Shelley, Jay Warren	Pa.	Wells, Edgar Kenard	N. J.
Cooke, Thomas Clarence	Va.	Kraemer, William Henry	W. Va.	Shepherd, Richard Cotton	Pa.	Whitall, James Dawson	Pa.
Cornwell, William Leslie	N. J.	Lachner, Bernard Joseph	Ore.	Sheppard, Charles Woodruff	Pa.	White, Daniel William	Pa.
Coyne, Frank Michael	Pa.	Lambie, John Sioussa, Jr.	Pa.	Shoemaker, Amzi B.	N. J.	Widdowson, Frank Ridley	Pa.
Craig, Ford B.	Pa.	Lawson, Thomas Adam	Pa.	Shoemaker, George Elmer	N. J.	Wilson, Oscar Hermon	Pa.
Cramp, Charles Edgar	Pa.	Le Kite, Delbert Lee Palmer	Del.	Shoenthal, Harry Irvin	Pa.	Young, John S.	N. J.
Curtis, Grant Philleo	N. J.	Lewis, Fielding Otis	Ky.	Simkins, Daniel	Pa.	Zehren, Walter Harry	Pa.
Cutter, William W.	Ill.	Linton, William Horace	Pa.	Sirakusi, Ibrahim	Egypt	Ziegler, Alfred Henry	Pa.
Dart, Lawrence Wayland	Pa.	Lore, Andrew Provost	N. J.				
Davis, John Hall	Pa.	Lownes, John Barton	Pa.				
Dickinson, Harrington Stanley,	Pa.	McCready, J. Homer	Pa.				
Dixon, Edward F.	Ill.	McKee, Carlisle Emerson	Pa.				
Doherty, Harry Aloysius	N. J.	McKinley, Andrew Stuart	Pa.				
Dudley, Arthur Chester	Pa.	McKnight, John Roy	Pa.				
Dwyer, Frank P.	Pa.	McInnes, James	N. J.				
Egley, Henry Conrad	Pa.	MacMullin, Leon Stow	N. J.				
Eisenhart, Harry Picking,	Pa.	MacNair, Don Wallace	Pa.				
Ellegood, Robert Edwin	Del.	Mahoney, John Edwin	Pa.				
English, Samuel B.	Pa.	Martin, Daniel Webster	Ohio				
Evans, Clark	Pa.	Meek, Grover Cleveland	Ky.				
Evans, William Allen	Pa.	Meyerson, William	Pa.				
Evans, William P.	Pa.	Miller, Clarence Haldeman	Pa.				
Farwell, Frank Pierce	Pa.	Miller, Edwin Barclay	Pa.				
Ferguson, Thomas Reed	Pa.	Miller, George William	Pa.				
Flaherty, Michael Edward	Pa.	Miller, Leroy Bernhardt	Pa.				
Forney, Norman Nes	Pa.	Miller, Thomas Benton	Pa.				
Gable, Frank J.	Pa.	Minton, Henry McKee	Pa.				
Gale, George Hays	Ohio	Mitchell, Edward Kirkwood	Pa.				
Glassman, Harry	Pa.	Mitchell, Frank Truax	Pa.				
Goldstein, Adolph Otto	Pa.	Molumphy, David J.	Conn.				
Gonzales, Pablo Bonelli,	Porto Rico	Moss, Harry Joseph	Pa.				

FRESHMAN STUDENTS.

Anderson, Charles Custis	Pa.	Cornely, J. Moss	Pa.
Ard, George	N. J.	Cox, Boaz Baxter	W. Va.
Ash, Garrett Guy	Pa.	Craig, William Clarke	N. Y.
Bachman, George	Pa.	Crawford, James Joseph	Mass.
Baron, Samuel	Pa.	Cressman, Howard	Pa.
Bassman, Abraham	N. J.	Cross, Friend Albert	Pa.
Becska, Gus Victor	N. J.	Dailey, Thomas Joseph	Pa.
Bew, Richard	N. J.	Davidson, Arthur Julius	Pa.
Bishop, Warner Howell	Pa.	Dickinson, Charles S.	Pa.
Bliss, Gerold Douglas,	Nova Scotia	Diers, Harry Edward	Ohio
Blumberg, Nathan	Pa.	Donnelly, William Frederick	Pa.
Boyd, Rowland Carlisle	Pa.	Doyle, Francis Michael	Mass.
Brice, Patrick Joseph	Pa.	Eckhart, Godlore Grover	Ind.
Burgess, Gordon Hinman,	Nova S.	Edwards, Edward Emlin	Pa.
Burns, Michael Anthony	Pa.	Eulner, Elmer Harold	N. J.
Bushong, Frederick	Pa.	Foster, George Burgess, Jr.,	Mass.
Chambers, William	Pa.	Fox, George T.	Mass.
Chetwynd, Wallace	Ohio	Geron, Yeatman	Ala.
Clapp, George Houghton	Pa.	Gibson, Benjamin Harrison	Ga.
Cloud, Edwin Collin	Pa.	Gillespy, Thurman	W. Va.
Cole, Oscar Earle	N. J.	Gilroy, Miles	Pa.

Goldcamp, Stephen Wilfred	Ohio	Pettebone, Erastus Hill	Pa.
Goldfeder, Charles B	Pa.	Phelps, George Floyd	Pa.
Gonzalez, Jose	Porto Rico	Poland, Joseph	Pa.
Goodrich, Hubert J.	N. Y.	Quigley, Fenton R.	Pa.
Griffin, Ross Calkins	Pa.	Ransom, Herbert LeRoy	Pa.
Hamilton, Wallace	Pa.	Reardon, Walter Lewis	N. J.
Hannick, Joseph M.	Pa.	Reaser, Budd Jameson	Pa.
Hart, Robert Samuel	Ind.	Reed, J. Craig	Pa.
Henzel, Frank	Pa.	Reiff, Rankin	Pa.
Hoban, James John	Mass.	Reilly, Francis Clair	Pa.
Irby, Moreland R.	Va.	Ridge, Samuel LeRoy	Pa.
Israel, Samuel Jacob	Pa.	Rifat, Mansur Mustafa	Egypt
Ives, Harold Augustus	Fla.	Rinker, Robert R	Pa.
Johnson, John Huston	Pa.	Roehrig, Karl Franklin	Colo.
Johnson, Roland Rufus	Md.	Ross, Daniel Curley	Pa.
Johnston, William McDowell	Pa.	Ross, Harold Lane	N. J.
Jordan, Octavio	Porto Rico	Rubinsohn, Samuel Lewis	Pa.
Kennedy, Frank J.	Pa.	Rumbaugh, Marshall C.	Pa.
Kinter, John Henry	Pa.	Russell, Joseph William	Pa.
Knoll, George Gustavus	Pa.	Samuels, Bernard	N. Y.
Lacock, Lester Earle	Pa.	Sandner, George W.	Mass.
Leberknight, Vernon Beaberson, Pa.	Pa.	Sands, Charler Turner	Pa.
Leydic, Cyrus Clark	Pa.	Schilling, Francis Marion	Pa.
Lott, Harry Hunter	Pa.	Scholl, Henry Nathaniel	Pa.
Loughran, James Joseph	Pa.	Schultz, Robert Ernest	Pa.
McCann, John Charles	Pa.	Schwartz, Morris	Pa.
McGinley, Joseph Leo	Pa.	Seedenburg, Jesse Peightal	Pa.
McGuire, George Alex'er, W. Indies	Pa.	Shapiro, Michael	Pa.
McNerney, Aloysius Francis	Pa.	Shick, William Binder	Pa.
Mack, Thomas Francis	N. Y.	Sloterbeck, Edgar Blackburn	Pa.
Marshall, Lloyd H.	Pa.	Smith, Clarence Daniel	Pa.
Mason, Willard M.	N. J.	Smith, James Melvin	Pa.
Maynes, Joseph Vincent	Pa.	Smith, Paul Ruskin	Del.
Meitzner, Max	Pa.	Sprague, Frank Marion	Idaho
Might, James Fremont	Pa.	Strickler, Albert	Pa.
Millett, Thomas W.	N. J.	Stuempfig, Walter	Pa.
Moorman, Albert John	Ohio	Sweeney, Edward J.	Mass.
Neafe, Charles Allen	N. J.	Talley, Lewis Robert	Texas
Nemerow, Abe	Pa.	Thomas, James Stanley	Ohio
Nicholson, John Elliott	Pa.	Tint, Jacob Louis	N. Y.
Noble, Dennis Wesley	Pa.	Towler, Harold H	Pa.
Nolan, John Thomas	Pa.	Wardle, Henry	Mass.
Nolan, Thomas Francis	Pa.	Weiland, Theodore Calvin	Pa.
Norris, Leonard Edward	R. I.	Weis, Ralph Jacob	Pa.
Olsho, Sidney Lessing	Pa.	Weiss, Benjamin Paul	Pa.
O'Malley, Andrew Walsh	Pa.	Wentz, Paul Roop	Pa.
O'Rourke, Timothy	Conn.	Whiteside, Lindsay Cochrane	Pa.
Page, Arthur L.	Pa.	Wick, John Batterson Stetson	Pa.
Page, Claude Weston	Pa.	Williams, Clark Case	Pa.
Parker, Nelson Frederick	Pa.	Wills, Leon Clifford	Pa.
Patterson, Fred Lyle	Pa.	Yoder, Mahlon Harold	Pa.
Pentecost, Milton Irving	Pa.	Zimmerman, Frank Dieffenback, Pa.	Pa.

SPECIAL STUDENTS.

Fernandez, Rafael	Mexico	Phifer, Edward William, M.D.,	N. Carolina
Hampton, John Erwin, M.D., N. C.		Ridley, Robert Berrien, Jr., M.D.,	Georgia
Harvey, Frank Joseph	Pa.	Stevenson, William Boyd	Pa.
Kurtz, George Frederick	Pa.		
Matheson, James Pleasant, M.D.,	N. Carolina		

SUMMARY.

Students of Senior Class	218	Students of Freshman Class	146
Students of Junior Class	184	Special Students	8
Students of Sophomore Class	176		
		Total,	732

RECAPITULATION.

Pennsylvania	438	Idaho	2
New Jersey	52	Kentucky	2
Massachusetts	32	New Hampshire	2
Ohio	21	Utah	2
New York	20	Colorado	1
North Carolina	17	Kansas	1
Iowa	16	Louisiana	1
Delaware	12	Mississippi	1
Indiana	11	Montana	1
West Virginia	9	North Dakota	1
Connecticut	8	South Dakota	1
Illinois	8	Tennessee	1
Georgia	6	Wyoming	1
Maryland	6	British Columbia	2
Texas	6	Egypt	2
Mississippi	5	Nova Scotia	2
Virginia	5	Cuba	1
California	4	Hungary	1
Oregon	4	Mexico	1
Porto Rico	4	Sweden	1
Alabama	3	Syria	1
Florida	3	Turkey	1
Maine	3	West Indies	1
Minnesota	3		
Rhode Island	3	Total	732
Vermont	3		

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 or the best Examination 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.

Ophthalmology Prize. By Professor Hansell, Twenty-five Dollars, for the best Report of his Clinics.

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

Dermatology Prize. By Professor Stelwagon, 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.

Alumni Prize. By the Alumni Association, a Medal, for the best General Average gained in the examination for the entire curriculum.

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. Sebrich

Dr. Hunsicker,

Dr. J. Leslie Davis Laryngol.

K