1900

76th Annual Announcement: Session of 1900-1901 for the Jefferson Medical College of Philadelphia and Its Hospital with a Register of Students for 1899-1900

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76th Annual Announcement
SESSION OF 1900-1901

JEFFERSON MEDICAL COLLEGE
OF PHILADELPHIA
AND ITS HOSPITAL

REGISTER OF STUDENTS
FOR 1899-1900
BOARD OF TRUSTEES.

Hon. William Potter,
President.

Simon Gratz, Edward H. Weil,
Secretary. Treasurer.

Simon Gratz,
Edward H. Weil,
Hon. Michael Arnold,
Sutherland M. Prevost,
Hon. William Potter,
Joseph de F. Junkin,
Louis C. Vanuxem,
Hon. Samuel Gustine Thompson,
Charles Hebard
Daniel Baugh,
Edward I. Smith,
Hon. George F. Edmunds,
Hon. Mayer Sulzberger, L.L.D.
Charles C. Townsend.

CALANDAR.

1900

April 18th . . . . . . . Registration for Reserved Seats. Book Opened This Day. Students Must Claim Their Seats in Person by Oct. 10th, or Forfeit Them.
June 1st . . . . . . . Examination for Entrance, 11 a. m.
September 23d . . . . . Examination for the Shain Scholarship.
Sept. 25th and Oct. 2d . . Entrance Examination, 11 a. m.
October 1st . . . . . . . Regular Session Begins. Introductory Lecture, 8 p. m.
October 1st . . . . . . . Appointments Made for Entrance and Grading Examinations.
November 29th . . . . . Thanksgiving Day; Holiday.
December 21st . . . . . Christmas Recess Begins, 6 p. m.

1901

January 3d . . . . . . . College Work Resumed, 9 a. m.
January 15th . . . . . . . Second Term Begins.
February 22d . . . . . . . Washington's Birthday; Holiday.
April 5th . . . . . . . Holiday; Good Friday.
April 18th . . . . . . . Registration for Next Session.
April 20th . . . . . . . All Lectures Close.
April 22d . . . . . . . Final Examinations Begin.
May 14th . . . . . . . Annual Business Meeting Alumni Association.
May 14th . . . . . . . Annual Dinner.
May 15th . . . . . . . Annual Commencement.
OFFICERS OF THE COLLEGE.

FACULTY.

J. M. DA COSTA, M.D., LL.D., Emeritus Professor of Practice of Medicine and Clinical Medicine, No. 1700 Walnut Street.

ROBERTS BARTHOLOW, M.D., LL.D., Emeritus Professor of Materia Medica, General Therapeutics, and Hygiene, No. 1527 Locust Street.

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

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

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

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

J. W. HOLLAND, M.D., Dean of the Faculty,
At the College Building, Tenth and Walnut Streets, Philadelphia.

HONORARY AND CLINICAL PROFESSORS.

J. SOLIS-COHEN, M.D., Honorary Professor of Laryngology, No. 1524 Chestnut Street.

HENRY W. STELWAGON, M.D., Clinical Professor of Dermatology, No. 223 South 17th Street.

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

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

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

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

HOWARD F. HANSELL, M.D., Clinical Professor of Ophthalmology, No. 254 South 16th Street.

WM. S. JONES, M.D., Clinical Professor of Laryngology, No. 201 Broadway, Camden, N. J.

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

ADJUNCT AND ASSOCIATE PROFESSORS.

ALBERT P. BRUBAKER, M.D., Adjunct Professor of Physiology and Hygiene.

H. F. HARRIS, M.D., Associate Professor of Pathology.

LECTURERS.

S. SOLIS-COHEN, M.D., Lecturer on Clinical Medicine.

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

DEMONSTRATORS.

A. HEWSON, M.D., Demonstrator of Anatomy.

E. Q. THORNTON, M.D., Demonstrator of Therapeutics, Pharmacy, and Materia Medica.

THOMAS G. ASHTON, M.D., Demonstrator of Clinical Medicine.

JULIUS L. SALINGER, M.D., Demonstrator of Clinical Medicine.

ALBERT N. JACOB, M.D., Demonstrator of Chemistry.

J. M. FISHER, M.D., Demonstrator of Gynecology.

RANDLE C. ROSENBERGER, M.D., Demonstrator of Normal Histology and Bacteriology, and Curator of the Museum.

C. A. VEASEY, M.D., Demonstrator of Ophthalmology.

J. TORRANCE RUGH, M.D., Demonstrator of Orthopedics.

GEORGE W. SPENCER, M.D., Demonstrator of Surgery.

C. H. HARBAUGH, M.D., Demonstrator of Syndesmology.

WM. H. WELLS, M.D., Demonstrator of Clinical Obstetrics.

WARD BRINTON, M.D., Demonstrator of Physical Diagnosis.

JAY C. KNIFE, M.D., Demonstrator of Osteology.

H. R. LOUX, M.D., Demonstrator of Fracture Dressings and Dislocations.
PROSECUTOR.
HOWARD R. SWAYNE, M.D., Prosector and Assistant Curator.

INSTRUCTORS AND ASSISTANT DEMONSTRATORS.
MAX BOCHROCH, M.D., Instructor in Electro-Therapeutics.
EMMANUEL J. STOUT, M.D., Instructor in Dermatology.
HOWARD M. SHIRNER, M.D., Instructor in Diseases of Children.
E. L. KLOPP, M.D., Instructor in Otolaryngology.
C. W. HOOPES, M.D., Instructor in Otolaryngology.
W. M. SWEET, M.D., Instructor in Ophthalmology.
H. M. RIGTER, M.D., Instructor in Clinical Obstetrics.
WM. F. MORRISON, M.D., Instructor in Clinical Obstetrics.
C. S. BRANDOCH, M.D., Instructor in Diseases of Children.
A. B. KIRKPATRICK, M.D., Instructor in Laryngology.
W. H. KING, M.D., Instructor in Laryngology.
S. J. SMITH, M.D., Instructor in Obstetrics.
J. P. BOLTON, M.D., Assistant Demonstrator in Chemistry.
HERBERT NEWELL RAFFERTY, M.D., Substitute Resident.
L. COPLIN, M.D., Pathologist; Director of the Hospital Laboratories.
HENRY W. STELWAGON, M.D., Clinical Professor of Dermatology.
H. M. RIGHTER, M.D., Instructor in Obstetrics.
W. M. L. COPLIN, M.D., Professor of Pathology.
FRANK C. HAMMOND, M.D., Assistant Demonstrator in Gynecology.
G. R. S. CORSON, M.D., Assistant Demonstrator of Surgery and Pathology.
JOHN C. DA COSTA, M.D., Assistant Demonstrator of Diseases of Children.
CHARLES S. BRADDOCK, M.D., Assistant Demonstrator of Diseases of Children.
CHARLES A. HOLDER, M.D., Assistant Demonstrator of Therapeutics.
W. S. FORBES, M.D., Professor of General, Descriptive, and Surgical Anatomy.
MAX BOCHROCH, M.D., Instructor in Electro-Therapeutics.
EMMANUEL J. STOUT, M.D., Instructor in Dermatology.
HOWARD M. SHIRNER, M.D., Instructor in Diseases of Children.
E. L. KLOPP, M.D., Instructor in Otolaryngology.
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W. M. SWEET, M.D., Instructor in Ophthalmology.
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L. COPLIN, M.D., Pathologist; Director of the Hospital Laboratories.
HENRY W. STELWAGON, M.D., Clinical Professor of Dermatology.
H. M. RIGHTER, M.D., Instructor in Obstetrics.
OUT-PATIENT STAFF.

MEDICAL

Thomas G. Ashton, M.D., J. L. Salingee, M.D., Chief Clinical Assistants.
Assistants.—A. D. Faust, M.D., J. C. Da Costa, Jr., M.D., Francis J. Kelly, M.D., A. H. Read, M.D., Leon Van Horn, M.D., A. H. Graham, M.D., Arthur Dare, M.D., H. R. M. Landis, M.D., F. J. Kalteyer, M.D.

SURGICAL

George W. Spencer, M.D., John H. Gibbon, M.D., Chief Clinical Assistants; J. T. Buchanan, M.D., Skiagrapher; C. H. Harbaugh, M.D., J. C. Keeler, M.D., Etherizers.
Clinical Assistants.—J. Coles Brick, M.D., W. J. Rok, M.D., G. R. S. Corson, M.D., D. G. Metheny, M.D., E. Harvey Wiggins, M.D., Chas. I. Barnes, M.D.

OBSTETRICAL

Stricker Coles, M.D., Assistant Obstetrician.
Assistants.—H. M. Righter, M.D., Wm. F. Morrison, M.D., S. J. Smith, M.D., C. S. Barnes, M.D.

GYNECOLOGICAL

John M. Fisher, M.D., Chief Clinical Assistant.
Assistants.—Frederick H. Maiers, M.D., Wilmer Krusen, M.D., Frank C. Hammond, M.D., J. W. Hinch, M.D., Alpheus McKibbon, M.D.

OPHTHALMOLOGICAL

Clarence A. Veasey, M.D., Wm. M. Sweet, M.D., Chief Clinical Assistants.
Assistants.—Henry Haden, M.D., Chas. Le Fever, M.D, E. K. Perrine, M.D., W. M. Capp, M.D., Rost. Casperson, Jr., M.D., I. E. Amilon, M.D., L. F. Appleman, M.D., J. T. Rugh, M.D.
Mr. Max R. Dinkelspiel, Registrar.

LARYNGOLOGICAL

A. B. Kirkpatrick, M.D., Charles W. Coburn, M.D., Chief Clinical Assistants.
Assistants.—George B. Slifer, M.D., J. T. Rugh, M.D., Nathan G. Ward, M.D., W. H. King, M.D., William Morrison, M.D., J. M. Montgomery, M.D., Justus Sineckx, M.D., Joel Fithian, M.D., Hugo A. Kiifer, M.D., C. C. Royce, M.D., Carl L. Felt, M.D., T. D. Taggart, M.D., Thomas W. Taft, M.D.

OTOLOGICAL

E. L. Klopf, M.D., C. W. Hoopes, M.D., Chief Clinical Assistants.
Assistants.—A. H. Wurtele, M.D., George T. Tracy, M.D., T. D. Taggart, M.D.

ORTHOPEDICAL

J. T. Rugh, M.D., Chief Clinical Assistant.
Assistants.—J. P. Bolton, M.D., George T. Tracy, M.D., H. M. Righter, M.D., J. D. Heysinger and F. E. Dolson, Registrars. A. Gustaf Gefvert, Mechanician.

DISEASES OF CHILDREN

H. M. Shriners, M.D., Chief Clinical Assistant.
Assistants.—C. I. Braddock, Jr., M.D., C. H. LeFCowitch, M.D., E. F. Bachman, M.D., Thomas W. Moran, M.D.

DERMATOLOGICAL

Emmanuel J. Stout, M.D., Chief Clinical Assistant.
Assistants.—Franklin Machette, M.D., F. L. Lorentz, M.D.

NEUROLOGICAL

Max BochoRoch, M.D., Chief Clinical Assistant.

GENITO-URINARY

SEVENTY-SIXTH ANNUAL ANNOUNCEMENT
OF THE
JEFFERSON MEDICAL COLLEGE

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, beside 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. This situation has been chosen as the best for the purpose, because its central location insures a constant supply of clinical materials 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, give an abundance of light. The entrance on Walnut Street admits to a tiled 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 student, i.e., a large, well-equipped gymnasium, with lockers and shower bath; 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 room, newly equipped by the donation of a warm friend of the College. It will store in the best manner for study the great collections of the late Professor Samuel D. Gross, of the late Professor Parvin, of Emeritus 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 large locker room for students. The sixth floor is occupied by the upper story of the amphitheater and dissecting room, an 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 by the structure which adjoins the Medical Hall, besides having the advantage of nearness to the Pennsylvania Hospital, and of the Hospital is filtered.

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.
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 unequalled in America and seldom equaled in Europe. It contains beds for 140 patients, which are constantly filled, and in the out-patient departments over 300 cases are treated daily. In the out-patient service there were treated in 1899: Surgical Diseases, including cases in the special clinics, Gynecological, Ophthalmological, Laryngological, Aural, Genito-urinary and Orthopedic, 76,218 patients; Medical Diseases, including cases in the special clinics, Neurological, Dermatological, and for children, 16,677 patients. These, added to the 1963 patients treated in the wards, make in all 94,858 patients treated in 1899. The grand total of work for twenty-one years is 1,286,789 consultations.

During the last year 2246 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 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 1899 there were 353 new obstetric cases and 250 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 $10 per week by application at the Hospital.

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

THE WOMEN'S AUXILIARY OF JEFFERSON MEDICAL COLLEGE.

This organization has charge of the Library, Reading Room, Smoking Room and Pool Room. It investigates and prepares a list of boarding houses desirable as to price and location for the convenience of new students. During the past year the number of volumes in the Library has been increased to 2400. These books are at the disposal of the students for reference and study.

COURSE OF INSTRUCTION.

THE REGULAR LECTURES.

The regular lectures begin with an introductory on the evening of October 1st by Professor Dercum.

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

WORK IN THE HOSPITAL consists in Clinics on Medicine, Surgery, Obstetrics, Gynecology, Ophthalmology, Laryngology, Dermatology, Diseases of Children, Orthopedics, Neurology, Genito-urinary Diseases and Otology, and in small ward classes taken to the bedside or to the various special dispensaries and the private operating rooms.

REQUIREMENTS FOR ADMISSION.

To the Freshman Class.

To be admitted to the freshman class without examination, the applicant must show that he is a matriculate of a reputable college or a graduate of a high school of the first grade, or a normal school established by State authority. He is advised to secure a certificate by passing the entrance examination of some such institution in his neighborhood. In the absence of such qualification, the applicant must stand an examination, as follows:

1. In English, a composition on some subject of general interest, written by the student at the time of the examination.
2. In Arithmetic, such questions as will show a thorough knowledge of common and decimal fractions, compound numbers, and ratio and proportion.
3. In Algebra, such questions as will bring out the student's knowledge of the fundamental operations, factoring, and simple quadratic equations.
4. In Physics, such questions as will discover the student's understanding of the elements of mechanics, hydrostatics, hydraulics, optics and acoustics.
5. In Latin, an examination upon such elementary work as the student may offer showing a familiarity usually attained by one year of study.

In place of any part of this examination, the College recognizes the official certificates of reputable literary and scientific colleges, academies, high schools and normal schools, and also the medical student's certificate issued by any State examining board covering the work of the foregoing entrance examination.

If the student should fail to pass in one or more of the branches enumerated as requirements for matriculation, he will be accepted conditionally, and shall have time until the beginning of the second
year to make up such deficiencies. Instruction can be had in Latin, physics and mathematics from private tutors.

An entrance examination will be held at the College on June 1st, September 27th, October 4th, and 15th, at 11 A.M., and at other times by special arrangement with the Dean.

By special appointment an examination for admissions will be held on application to examiners in the following cities: Worcester, Mass.; Cincinnati, Ohio; St. Paul, Minn.; Denver, Col.; Louisville, Ky.; New Orleans, La.; Knoxville, Tenn.; Birmingham, Ala.; San Antonio, Texas; Richmond, Va.

Applicants who present written evidence of having studied Chemistry and of chemical laboratory work equivalent to that of the freshman year in this College, may take the lectures and laboratory work in Chemistry of the sophomore year during their freshman year, but must be examined in the Chemistry of both years at the end of the sophomore year.

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 their equivalents: General Biology, 90 hours; Mammalian Anatomy, 144 hours; Chemistry, 216 hours; Physics, 72 hours; Histology, 72 hours; Human Anatomy, 144 hours; Physiology, 48 hours; Zoology, 96 hours; Embryology, 72 hours—are admitted to the sophomore class without an entrance examination. 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 for dissections in their junior year.

FROM OTHER MEDICAL COLLEGES.

Every applicant for advanced standing, including graduates of other medical colleges, will be required to present credentials from an accredited medical college, showing satisfactory attendance upon courses equivalent to those already attended by the class to which he seeks admission. If his preliminary or grading examination credentials are deficient, he may make up his deficiencies on admission, or be received under "conditions," which he must be clear of when the session closes.

MEDICAL POST-GRADUATES.

Graduates in Medicine desiring to take the senior course, without being candidates for the degree, and therefore without examination, may receive a certificate of attendance.

GRADUATES OF DENTISTRY AND 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 $100.

Graduates of recognized Dental Colleges are admitted to the sophomore class, but they must take the lectures and laboratory work in Materia Medica and Pharmacy and pass an examination in these branches in addition to the work of the sophomore year. At the end of their sophomore year they must be examined in the subjects of Anatomy and Physiology as taught in the freshman and sophomore years, and must have dissected the entire human body in this College. They have the same options in Anatomy and Physiology as are allowed to graduates of Pharmacy.

CLASS PROMOTIONS AND CONDITIONS.

In order to advance with his class to a higher grade, a student must pass the required examinations of the previous year, or a majority of them. If he does not pass at the "make up" examination in October, he may continue with his class as a conditioned student for the following term. No student may become a member of the junior class until he has passed all the freshman examinations, and, in addition, a majority of those of the sophomore year, nor of the senior class until he has passed all of the freshman and sophomore examinations and a majority of those of the junior year.

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, oral, or both. Students failing to reach, in all the branches, the standard required for the degree, may be credited with having passed on those branches in which they have acquired the requisite average, and will not be required to stand an examination on these branches at a second examination, should they apply again. Candidates for the degree of Doctor of Medicine who have failed to pass all the branches of the final year at two annual examinations will

*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.
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 27.

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 Doctor of Dentistry and Bachelors of Arts and Science obtained after preparatory medical studies, will be accepted as the first year of medical study, under conditions stated on page 12. He must have attended at least the final year in this College as a graded student of that year.

Students who fail in the final examinations in not more than two branches may be re-examined Wednesday, November 7, 1900. The successful candidates will receive their diplomas at the Commencement in May, 1901. Meantime they will receive a certificate stating that they have passed their examinations and that their diplomas will be conferred at the time stated. This will enable them to come before the State Board of Medical Examiners of Pennsylvania, and if successful to enter upon practice immediately.

ANNUAL LIMITATION OF RULES AND FEES.

All the above rules, as well as the fees stated below, relate to the year ending June 1, 1900; only. The right is reserved to make changes in the curriculum, rules of examination and the corps of instructors, whenever it may seem proper.

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

FEES.

Matriculation, paid once ............... $5.00

Freshman Year.

Full Course, including Laboratory Work and Dissection .... $150.00
Dissecting Material, per part 1.00

Sophomore Year.

Full Course of Lectures, including Laboratories, Dissection and Clinics .... $150.00
Dissecting Material, per part 1.00

Junior Year.

Full Course, including Laboratory Work and Clinics, .... $150.00
Operative Surgery Material 1.00

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

Senior Year.

Full Course ............... $150.00

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

The annual fee is payable in advance. To secure the tuition at this rate the whole amount, $150, must be paid before November 1st. If the whole fee is not paid by November 1st, the annual fee paid on or after that date will be $155 for that year. Of this $155, at least $80 must be paid before November 1st, and the $75 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; promissory notes are under no circumstances 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 breakage deposit of $5.00 must be made at the beginning of the session. This will be returned at the close of the session, less the amount charged against it for breakage.

THE TRUSTEES’ SCHOLARSHIPS.

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

These scholarships are open to members of the graduating 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 will be awarded in October, 1900, and the other in October, 1901. The award is to be made by the committee on scholarships of the Board of Public Education, subject to confirmation by the 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 dates of graduation on or before September 10th of the year of graduation.

One of these scholarships will be awarded by competitive examination in 1902, on September 23rd, at 10 o’clock A.M.; the other in 1903. 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 Professors Wilson or Hare twice a week.

Bedside instruction in Clinical Medicine is also given by Professors Wilson and Hare or their assistants daily at the Hospital to small sections of the class. The course is illustrated by the ample material of the wards and daily clinic. Each student is thus made familiar with practical medicine. The success attending this method of instruction at previous sessions encourages the hope of the best results from its continuance. Practical instruction in Physical Diagnosis is given to the class in 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 in the Surgical Dispensary and in the ward classes by Professors Hearn and Da Costa and by Drs. George W. Spencer, John H. Gibbon and H. R. Loux. Professors Horwitz, Hearn, and J. Chalmers Da Costa 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 and the Clinical Lecturer, Dr. Stricker Coles. 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 practical experience in the houses of patients.

CLINICAL GYNECOLOGY.

The course in Clinical Gynecology consists in the General Gynecological Clinic by Professor Montgomery and in 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 OPHTHALMOLOGY.

The Ophthalmological Clinics will be held once a week at the Hospital by Professors de Schweinitz or Hansell. Practical instruction in Diseases of the Eye, Ophthalmoscopy and Refraction will be given to fourth-year students in sections by the professors or their assistants, and demonstrations upon animals' eyes by the demonstrator.

CLINICAL LARYNGOLOGY AND RHINOLoGY.

Professors Cohen, Jones and Kyle give 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 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. In this course the students are taught, not only the general principles of orthopedics, but also the practical application of jackets, splints and orthopedic apparatus in general.

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 Diseases 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 Insane Department. Instruction will be given to the class in sections in the electrotherapeutics 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 OTOLOGY.

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

ADDITIONAL HOSPITAL-TEACHING FACILITIES.

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

The Pennsylvania Hospital is situated in the vicinity of the College. The field for instruction in acute diseases and surgical injuries is very large. The students of Jefferson College, by reason of the proximity of the College to the Hospital and its immense resources for the illustration of all forms of diseases and accidents, have peculiar advantages. Professor J. M. Da Costa and Professor J. C. Wilson are members 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 of this Institution and utilize their wards and clinics for the daily instruction of the students of the Jefferson College. Professors Coplin and Harris and Dr. Rosenberger are on the Pathological Staff, Professor de Schweinitz on the Ophthalmological Staff, Professor Stelwagon on the Dermatological Staff, Professor Dercum on the Neurological Staff, Professors Horwitz, Hearn, and Da Costa on the Surgical Staff, Drs. S. Solis-Cohen, Salinger and Ashton on the Medical Staff, Professor Davis and Dr. J. M. Fisher on the Obstetrical and Gynecological Staff, Professor H. Augustus Wilson on the Orthopedical Staff.

St. Joseph's Hospital.—Professor Montgomery is Gynecologist to this Hospital and Professor J. C. Da Costa is Surgeon, and Drs. Krusen and Maier are Assistant Gynecologists, and the 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 Amphitheatre, 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.

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 institu-

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 for medical Chemistry and Toxicology is under the supervision of the Professor of Chemistry, aided by his 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 fresman 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 disease. The practical Chemistry of the Bile and the Blood, the most approved methods of examining Urine and the Gastric Contents, 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 Laboratory of Pharmacy, Materia Medica and Experimental Therapeutics contains 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 is provided with instruments and appliances for special researches in the physiological action of remedies. Members of the class who desire to carry on original research in experimental therapeutics will 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 in detail of the theory of the balance methods of obtaining specific gravity, the arranging of galvanic batteries, galvanometers, chronicographic 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' NEW LABORATORY OF PHYSIOLOGY.**

The Students' new Laboratory of Physiology was opened in the fall of 1890 with an outfit presented by a member of the Board of Trustees, and has been in successful operation during the past session. The outfit includes appropriate apparatus for the study of fundamental facts in physiological chemistry; apparatus for the study of the physiological mechanism of the heart, nerves, muscles, spinal cord, etc. 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 the student will perform a large number of the cardinal experiments in physiology relating to the above mentioned subjects.

**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.

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

A description of these laboratories will be found on page 9.

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 AND EMBRYOLOGY.**—This Laboratory is on the fourth floor of the new Laboratory building. The instruction in Normal Histology embraces the manner of using the microscope, the preparation of tissue cutting, staining, and mounting of sections, and demonstrations of the minute or microscopic anatomy of the various tissues and organs. The class is divided into 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 which the student makes in this course will be valuable for future reference.

**PRACTICAL EMBRYOLOGY.**—A practical course of laboratory instruction has been introduced, models and special appliances for the satisfactory equipment of the department have been purchased and will be in position before the opening of the coming session.

**THE LABORATORY OF MORBID HISTOLOGY.**—This Laboratory occupies the fifth 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 blood, urine, sputum, and other fluids, excretions and pathological exudates. Each student is supplied with a microscope, desk, and all needed reagents for the work. The student supplies his own slides and cover glasses and the few trifling instruments which he uses 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 the special work of 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 course in Clinical Microscopy is under the direct supervision of the students as they proceed in their dissections, to insure thorough sections of the student. Careful supervision is had of the work of the students, 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 student. Careful supervision is had of the work of the students as they proceed in their dissections, to insure thorough understanding.

The course in Hygiene is so arranged that the student receives, by didactic and practical instruction, definite ideas regarding the laws of the 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 students as they proceed in their dissections, to insure thorough sections of the student. Careful supervision is had of the work of the students, 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 student. Careful supervision is had of the work of the students as they proceed in their dissections, to insure thorough understanding.
of the Professor of Pathology. The course is now conducted in connection with the laboratory work in morbid histology, and will include 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.

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 and assistants.
- **Practice of Medicine.**—By Professor J. C. Wilson and Drs. Salinger and Ashton.
- **Gynecology.**—By Professor Montgomery and the demonstrators.
- **Pathology.**—By Professor Coplin and assistants.
- **Ophthalmology.**—By Professors de Schweinitz and Hansell and Doctor Veasey.
- **Obstetrics.**—By Professor Davis and assistants.
- **Histology.**—By Professor Harris.
- **Bacteriology.**—By Professors Coplin and Harris and Doctor Rosenberger.
- **Laryngology.**—By Professors Jones and Kyle.
- **Dermatology.**—By Professor Stelwagon and Dr. E. J. Stout.
- **Orthopedic Surgery.**—By Professor H. Augustus Wilson and Doctor J. T. Rugh.
- **Pediatrics.**—By Professor Graham.
- **Neurology.**—By Professor Dercum.
- **Otology.**—By Professor Smith and Doctors Klopp and Hoopes.
- **Genito-Urinary Surgery.**—By Professor Horwitz.

SUMMARY OF THE REGULAR FOUR YEARS' COURSE.*

The graded curriculum is arranged as follows:

**FRESHMAN YEAR.**
- **Anatomy.**—One lecture, ten hours of dissection, three demonstrations in Osteology, and three demonstrations in Syndesmology per week, with recitations.
- **Normal Histology.**—One recitation per week throughout the term, and eight hours' laboratory instruction per week part of the term.
- **Bacteriology.**—One lecture per week for half the term.

**SOPHOMORE YEAR.**
- **Physiology.**—Two lectures per week and four hours of laboratory instruction per week for a period of six weeks.
- **General Chemistry and Toxicology.**—Two lectures with recitations, and four hours of laboratory instruction per week half of the term.
- **Materia Medica and Pharmacy.**—Two hours of laboratory work and a recitation per week for the whole session.
- **Bandaging and Fracture Dressings.**—One hour of practical instruction per week.

**Examinations** will be held at the close of the term in Anatomy (Osteology, Syndesmology, Myology), Normal Histology and Elementary Bacteriology, 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 a majority of them. If he should fail in these at the ' make up' examination held in October, he can be conditioned for the ensuing session.

**JUNIOR YEAR.**
- **Pathology.**—Two lectures and one recitation per week.
- **Morbil Anotomy.**—Three hours per week for part of the term. This course includes instruction in post-mortem, given to the class in section.

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* Subject to change.
Medical Jurisprudence.—Two lectures in the latter half of the term per week.

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, demonstrations in fracture dressings.

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

Operative Surgery.—One demonstration per week.

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

Clinical Medicine.—Two lectures per week.

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

Gynecology.—One recitation per week on Symptomatology and Diagnosis.

Examinations will be held at the close of the term in the Practice of Medicine, Pathology and Bacteriology, Medical Jurisprudence, 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 Reduction of Dislocations.

No student can advance to the senior class unless he has passed all the freshman and sophomore examinations and a majority of those of the junior year. If he should fail in these at the "make up" examination, to be held in October, he can be conditioned for the ensuing session.

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.—Three obstetric clinics 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 and one hour of bedside instruction every week.

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

Clinical Medicine.—Two clinical lectures and one hour of bedside instruction per week.

Ophthalmology.—One didactic lecture per week for the first half year.

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

Clinical Laryngology.—One clinic per week and eight hours of practical instruction.

Clinical Otology.—One clinic per week and eight hours of practical instruction.

Clinical Orthopedics.—One clinic per week and eight hours of practical instruction.

Clinical Pediatrics.—One clinic per week and eight hours of practical instruction.

Clinical Dermatology.—One clinic per week and eight hours of practical instruction.

Clinical Neurology.—One clinic per week and eight hours of practical instruction.

Clinical Genito-Urinary Diseases.—One clinic per week and eight hours of practical instruction.

Attendance upon these clinics must be certified by the Instructor of each branch.

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

Final Examinations will be held at the close of the term in Special Therapeutics (Climate, Baths, Diet, Electro-Therapeutics), Gynecology, Ophthalmology, Clinical Obstetrics, Practice of Medicine (beside general medicine, this examination will include questions given by the clinical Professors of Dermatology, Neurology and Pediatrics), Surgery (in addition to the questions in the parts of Surgery not covered by the third-year examinations, there will be included questions given by the clinical Professors of Orthopedics, Genito-Urinary Diseases, Laryngology and Otology). See also examinations for the doctorate, p. 14.

HOSPITAL APPOINTMENTS.

Every year five Resident Physicians to the College Hospital and five substitutes are appointed from the graduating class. These are chosen from among the graduates attaining 80 per cent. and over. At the other hospitals of the city nearly 40 resident appointments are made annually, for the most part by competition, open to graduates in medicine.

STUDENTS' MEDICAL SOCIETIES.

Members of different classes have organized the Hare, Keen, Wilson, Forbes, Davis and Chapman 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 and Physiology.

The meetings are held in the students' society rooms.
The following prizes are offered to the graduates of the Jefferson Medical College, to be conferred at the Annual Commencement in 1901:

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.

Therapeutics 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.

Ophthalmology Prize. A Gold Medal, for the best Examination on Ophthalmology.

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

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

Clinical Orthopedics Prize. By Professor H. Augustus Wilson, Twenty-Five Dollars, for the best Examination in Orthopedic Surgery.

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

Clinical Neurology Prize. By Professor Dercum, Twenty-Five Dollars, for the best Examination in Neurology.

Clinical 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.

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

Clinical Ophthalmology Prize. By Professor S. MacCuen Smith, Twenty-Five Dollars, for the best Examination in Ophthalmology.

Clinical Dermatology Prize. By Professor Stelwagon, Twenty-Five Dollars, for the best Examination in Dermatology.

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

The S. MacCuen Smith Prize of Two Hundred Dollars. Awarded by Prof. Smith upon the recommendation of a committee, for the best Essay embodying original research "On the Discharges from the Ear, with Special Reference to Intracranial Lesions."
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.—Stöhr.
Bacteriology.—Coplin's Manual of Pathology.


Taylor on Poisons.
Sadler and Trumble, 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; Haymen's Physical and Natural Therapeutics.

Hygiene and Public Health.—Coplin and Bevan.


Taylor's Medical Jurisprudence.
Neubauer and Vogel on the Urine.
Black on the Urine.
Quain.
Hare's System of Therapeutics.

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

Hyde on Diseases of the Skin; Kaposi on Diseases of the Skin; Unna's Histo-pathology of the Diseases of the Skin; Aldersmith on Ring-worm and Alopeia Areata.
Gowers' Diseases of the Nervous System.
Dench; McBride on Diseases of Throat, Nose, and Ear.
Veasey's Ophthalmic Operations as Practiced on Animals' Eyes.
Benjamin Taylor on Venerable Diseases; Fenger on Gonorrheae;
Harrison on Surgical Diseases of the Urinary Organs.

Medical Dictionaries.—Dunglison; Gould; Duane.

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, 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 or money-orders 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.
## SOPHOMORE YEAR*

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<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
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<tr>
<td>9</td>
<td>Sections in Bacteriology Laboratory</td>
<td>Sections in Bacteriology Laboratory</td>
<td>Dissection</td>
<td>Dissection</td>
<td>Sections in Bacteriology Laboratory</td>
<td>Coplin Pathology</td>
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<tr>
<td>12</td>
<td>J. C. Wilson or Hare Medical Clinic</td>
<td>Montgomery Gynecol. Clinic</td>
<td>Keen Surgical Clinic Jefferson Hospital</td>
<td>DeSchweinitz Eye Clinic</td>
<td>J. C. Wilson or Hare Medical Clinic</td>
<td>DeSchweinitz Eye Clinic</td>
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<tr>
<td>13</td>
<td>Morbid Anatomy, Operative Surgery, Fracture Dressings and Dislocations</td>
<td>Morbid Anatomy, Operative Surgery, Fracture Dressings and Dislocations</td>
<td>Morbid Anatomy</td>
<td>Recitations in Pathology</td>
<td>Operative Obstetrics</td>
<td>Hare Obstetrics</td>
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<td>14</td>
<td>DeSchweinitz Ophthalmology first half</td>
<td>J. C. Wilson Practice of Medicine</td>
<td>J. C. Wilson Practice of Medicine</td>
<td>Davis Obstetrics</td>
<td>J. C. Wilson Practice of Medicine</td>
<td>DeSchweinitz before Jan. 15 Eye</td>
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<tr>
<td>15</td>
<td>Coplin Pathology</td>
<td>Hare Therapeutics</td>
<td>Operative Obstetrics</td>
<td>Hare Therapeutics</td>
<td>Operative Obstetrics</td>
<td>Operative Surgery</td>
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<tr>
<td>16</td>
<td>Recitations in Practice of Medicine</td>
<td>8:30 Recitations in Surgery</td>
<td>Recitation in Anatomy Optional</td>
<td>Operative Surgery</td>
<td>Recitations in Practice of Medicine</td>
<td>Recitation in Anatomy Optional</td>
</tr>
</tbody>
</table>

* Subject to alteration
GRADUATES
OF
THE JEFFERSON MEDICAL COLLEGE
OF PHILADELPHIA,
MAY, 1899.

At a Public Commencement, held at the American Academy of Music on the 15th day of May, 1899, the Degree of Doctor of Medicine was conferred on the following gentlemen by the President, Hon. William Potter, the exercises closing with a Valedictory by Hon. Mayer Sulzberger, LL.D.

<table>
<thead>
<tr>
<th>NAME</th>
<th>STATE OR COUNTRY</th>
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<tbody>
<tr>
<td>Abrahamson, Philip</td>
<td>Pa.</td>
</tr>
<tr>
<td>Allison, Charles Edward</td>
<td>Pa.</td>
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<tr>
<td>Beggs, David B.</td>
<td>Pa.</td>
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<tr>
<td>Boistock, Herbert Arthur</td>
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<tr>
<td>Carver, Harry Franklin</td>
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<tr>
<td>Clarke, Samuel</td>
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<tr>
<td>Cleveland, Frank Mortimer</td>
<td>N. Y.</td>
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<tr>
<td>Clifford, Raymond Alfred</td>
<td>N. Y.</td>
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<tr>
<td>Cowgill, Solomon Macy</td>
<td>Ind.</td>
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<tr>
<td>Croft, John Walker</td>
<td>Pa.</td>
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<tr>
<td>Cushing, Herbert Howard</td>
<td>M.D.</td>
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<tr>
<td>Dollard, Edmund Charles</td>
<td>Wis.</td>
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<tr>
<td>Downs, Myron LaFayette</td>
<td>Ill.</td>
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<tr>
<td>Duffield, Elias Mortimer</td>
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<tr>
<td>Dunham, Alonzo H.</td>
<td>Cal.</td>
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<td>Ellis, Peter Clarkson</td>
<td>Ky.</td>
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<tr>
<td>Farnham, Elmer John</td>
<td>Me.</td>
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<tr>
<td>Ferguson, George McIntire</td>
<td>Pa.</td>
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<tr>
<td>Gross, Herbert Franklin</td>
<td>Pa.</td>
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<tr>
<td>Hayman, Edwin Henry</td>
<td>Pa.</td>
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<td>Hearn, William P.</td>
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<tr>
<td>Hebsacker, William Frederick</td>
<td>Pa.</td>
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<tr>
<td>Hofer, Clarence Andrews</td>
<td>N. J.</td>
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<tr>
<td>Jackson, Charles Elsworth</td>
<td>Tex.</td>
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<tr>
<td>Joyner, Claudius Cameron</td>
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<td>Kalteyer, Frederick John, Jr.</td>
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<td>Keating, William Patrick Stuart</td>
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<td>Keller, Peter Martin</td>
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<td>Kennedy, Edwin Russell</td>
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<td>Lau, Scott Wofford</td>
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<td>Lee, Alvin Craig</td>
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<td>Lewis, Estell Budd</td>
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<td>Lockett, William Robert</td>
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<td>Longfellow, Jacob Winslow</td>
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<tr>
<td>McCormick, John</td>
<td>Miss.</td>
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<td>McNair, William Righter</td>
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<td>Mace, Henry Fancher</td>
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<td>Meriwether, Tyler</td>
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<td>Merryman, John Whitfield</td>
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<td>Michener, Evan Worthington</td>
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<td>Moore, George Cooper</td>
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<td>Moore, Thomas Kenney</td>
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<td>Moran, Thomas Wesley</td>
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<td>Neare, Clifford Reno</td>
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<td>Nicholls, James Calvin</td>
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<td>Nicholls, Robert Delmer</td>
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<td>O'Neill, Chrysostom A.</td>
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<td>Oram, Joseph Hubhrtl</td>
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<td>Ostrander, William Alonso</td>
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<td>Packor, Elmer Benjamin</td>
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<td>Pearce, Claude Melvin</td>
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<td>Perry, Samuel Wesley</td>
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<td>Post, Charles Augustus H.</td>
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<td>Rafferty, Herbert Nowell</td>
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<td>Reese, Lewis</td>
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<td>Royer, B. Franklin</td>
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<td>Shepard, Cassius Marion</td>
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<td>Smith, Henry Stephen</td>
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<td>Smith, Sydney James</td>
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RECAPITULATION.

Of the foregoing there were from—

<table>
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<tr>
<th>STATE</th>
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<td>Pennslyvania</td>
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<td>New York</td>
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<td>Maine</td>
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<tr>
<td>Total</td>
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</tbody>
</table>

There are now 10,921 names on the list of graduates.

PRIZES.

The following prizes were awarded:

The Dr. Francis W. Shain Gold Medal, for the best Examination in Physiology, to undergraduate Joseph Benjamin Hornstein, of Pennsylvania.

The Dr. Francis W. Shain Gold Medal, for the best Examination in Surgery, to William R. Lockett, of Tennessee.

The Dr. Francis W. Shain Gold Medal, for the best Examination in Practice of Medicine, to Peter Martin Keller, of Michigan.

A Gold Medal, for the best Anatomical Preparation, to undergraduate Philip Atlee Sheaff, of Pennsylvania.

A Gold Medal, for General Excellence in Obstetric Work, to B. Franklin Royer, of Pennsylvania.

A Gold Medal, for the best Essay on a subject pertaining to Pathology, to William Nicholas Lackey, of Tennessee.
A Gold Medal, for the best Examination in Therapeutics, to Joseph Powell Wimberley, of North Carolina.

A Case of Instruments, given by Prof. Montgomery, for the best Examination in Gynecology, to Charles Henry Williams, of Michigan, with honorable mention to Peter Martin Keller, of Michigan, and B. Franklin Royer, of Pennsylvania.

A Gold Medal, for the best Examination in Ophthalmology, to Charles Henry Williams, of Michigan, with honorable mention to Elmer Benjamin Packer, of Illinois.

The W. S. Forbes Anatomical League Prize of One Hundred and Fifty Dollars, given by Prof. Forbes to the member of the Anatomical League having the highest standing in a Competitive Examination in Anatomy, to Elmer John Farnham, of Maine.

The H. A. Hare Society Prize of Fifty Dollars, to the member of the Hare Society passing the best Examination in all Branches, to Francis Mortimer Cleveland, of New York.

The J. C. Wilson Society Prize of Fifty Dollars, given by a friend of the Society, for the best Examination in Practice of Medicine on the part of a member of the J. C. Wilson Society, to Samuel Wesley Perry, of Pennsylvania.

The Alumni Prize of a Medal, for the best General Average of Scholarship gained in the entire curriculum, to John Elnathan L. Vansciver, of New Jersey.

A Prize of Twenty-five Dollars, for the best examination in Orthopedic Surgery, by Prof. H. Augustus Wilson, to Edwin Russell Kennedy, of Ohio.

A Prize of Twenty-five Dollars, for the best report of the Clinical Lectures on Diseases of Children by Prof. Graham, to Scott W. Lau, of Pennsylvania.

A Prize of Twenty-five Dollars, for the best Examination on Diseases of the Nervous System by Prof. Deroen, to I. M. D. Fulton, of Michigan, with honorable mention to Clifford Reno Neare, of Pennsylvania, and Henry Stephen Smith, of Texas.

A Prize of Twenty-five Dollars, for the best Report of the Clinical Lectures on Obstetrics by Prof. Davis, to Sydney James Smith, of Texas.

A Prize of Twenty-five Dollars, for the best Report of the Clinical Lectures on Ophthalmology by Prof. De Schweinitz, to Frank Mortimer Cleveland, of New York.

A Prize of Twenty-five Dollars, for the best Examination in Genito-Urinary Surgery by Prof. Horwitz, to Herbert Franklin Gross, of Pennsylvania, with honorable mention to Cassius Marion Shepard, of Ohio.

A Prize of Twenty-five Dollars, for the best Examination on the Clinical Lectures on Otology by Prof. S. MacCuen Smith, to H. Stephen Smith, of Texas.

A Prize of Twenty-five Dollars, for the best Examination in Dermatology, by Prof. Stelwagon, to Scott W. Lau, of Pennsylvania, with honorable mention to Estell Buist Lewis, of Pennsylvania.

A Prize of Twenty-five Dollars, for the best Original Essay on a subject pertaining to Laryngology and Rhinology by Prof. D. Braden Kyle, to Charles Clifton Royce, of Pennsylvania.

A Prize of Twenty-five Dollars, for the best Report of the Clinical Lectures on Laryngology by Prof. W. S. Jones, to Sydney James Smith, of Texas, with honorable mention to Frank Mortimer Cleveland, of New York.

A Prize of Seven Volumes of Saunders’ Medical Hand Atlases, awarded by W. B. Saunders, Esq., for the best General Examination Record, to John Elnathan L. Vansciver, of New Jersey.

HOSPITAL APPOINTMENTS.

The following graduates of 1899 received hospital appointments:


Philadelphia Hospital.—Elmer J. Farnham, of Maine; C. R. Neare, of Ohio; George C. Yeager, of Pennsylvania.

Jewish Hospital of Philadelphia.—Charles Friedman Weber, of Ohio.

St. Joseph’s Hospital of Philadelphia.—Charles E. Jackson, of Ohio.

Mercy Hospital of Pittsburg.—Daniel B. Briggs, of Pennsylvania.

Harrisburg Hospital.—J. W. Kennedy, of Kansas.

German Hospital.—Dr. George McIntire Ferguson.
FRESHMAN CLASS.

Akers, Andrew Frank .......... Pa.
Allen, Frederick Blunt ......... N.Y.
Armstrong, Thomas Robertson ... Pa.
Armstrong, Thomas Smith ....... Pa.
Baines, Matthew Carroll ....... Pa.
Bannon, Charles Francis ...... Pa.
Bell, David Major ............ Pa.
Bell, Monsell Ray ............ W.Va.
Bennett, Clarence Elmer ...... Pa.
Bieha, William Milton ....... Pa.
Biello, Joseph Albert ....... Pa.
Boycie, Lee ................. Pa.
Briggs, Miron Lake .......... Pa.
Brown, Albert Whittier ...... Me.
Calhoun, Howard Boyd ....... Pa.
Cannon, Joseph George ...... Pa.
Carey, Alfred Blake .......... Wis.
Carlitz, Joseph Samuel ...... Pa.
Carney, Samuel David ....... Pa.
Carroll, Thomas Benjamin ...... Ohio
Chamberlain, Leslie .......... N.Y.
Childs, Benjamin Henry ....... Mass.
Clagett, Augustus Henry ...... Pa.
Collins, Emerson Clay ...... Ky.
Conin, James Howard .......... Pa.
Cranie, Harold Hayes ...... Me.
Crawford, James Calvin ...... Pa.
Crossman, George Albert ...... Pa.
Crow, Arthur Everett ....... Pa.
Cunningham, George A. ...... Pa.
Cutter, Derwood J. .......... Pa.
Dana, Lawrence W. .......... Pa.
Davis, George Anthony ...... Conn.
Davis, Robert Charles ....... Pa.
Davis, William Price, Jr. .... Pa.
Dawson, Daniel Witham ...... N.J.
Deemer, Paul Roscoe ....... Pa.
Dennis, Isaac J. B. (A.B.) .... Pa.
Douglas, Earl Campbell ...... N.Y.
Eastwood, Edmund .......... N.J.
Edwards, William McEwen .... Wis.
Ellison, Thomas .......... Pa.
Elmaleh, Leon Haim ....... Pa.
Flatly, John Walter .......... Pa.
Fleming, Edwin Rahn ........ Pa.
Garrettson, William ...... Pa.
Gibson, Arthur Wells ...... Pa.
Goodman, Bert E. .......... Ohio
Gormley, James Aloysius .... N.J.
Gray, Charles Merck ....... N.J.
Gray, Stoddard Perry ....... N.Y.
Green, Max .......... Pa.
Harrington, James Leon ....... Conn.
Hart, Charles Vincent ...... Pa.
Hazzlett, Frank Leslie ...... Pa.
Heed, Charles Rittenhouse .... Pa.
Heisler, Frank Joseph ...... Pa.
Hemphill, Roydon M. ....... Pa.
Henderson, John Samuel ...... Pa.
Henry, Albert Leon ....... Pa.
Hess, Robert James, Jr. .... Pa.
Heyl, Charles Ambrose ...... Pa.
Heyser, Jonas Edward ....... Pa.
Hillard, James Peare ....... Mass.
Hoffman, Charles Wilbur ...... W.Va.

Holston, John George Frederick, Ohio
Hockey, Oarles Gilbert, Jr. .... Pa.
Hope, John Ferguson .......... Pa.
Houser, Burton Clayton ...... Pa.
Houston, John Bernard ...... Pa.
Huber, George .......... N.J.
Hutzel, Oliver L. .......... Pa.
Hyskell, William Emory (M.E.) ... Pa.
Imboden, Henry Miles (A.B.) .... Pa.
Janisch, Frederick William .... Pa.
Jones, John Bayley, Jr. (A.B.) .... Pa.
Kaffie, Leopold .......... La.
Kennedy, Joseph William .... Ont.
Kiefer, Raymond Arndt .... N.J.
Kissinger, Walter Cealey .... Pa.
Kriebel, Asher Griesemer ...... Pa.
Kunkel, Oscar Franklin (B.E.) .... Pa.
Laidlaw, Frederick Winfield, N.Y.
Larkins, Clyde R. .......... Ohio
Lechman, George Weidner ...... Pa.
Lineaweaver, Frederick William .... Pa.
Loewy, Ignatz David ....... Pa.
Logan Edward Johnson ....... R.I.
Loper, John C. .......... N.J.
McCoch, William, Jr. ........ Pa.
McCracken, James Aloysius .... Pa.
McCready, Edwin Bosworth .... Pa.
McFall, Leslie M. .......... Ill.
McGarvey, Leonard Garfield .... Pa.
McGeary, Thomas Francis .... Mass.
McKee, Charles Leonard .... N.J.
McKemy, John William ....... Ohio
Manges, Willis Fastnacht ...... Pa.
Mayhew, Charles Holms ....... N.J.
Meals, Roy C. .......... Pa.
Mervine, Robert Baten ........ Pa.
Miller, Henry Ernest ....... Pa.
Miller, Richard Oliver ....... Pa.
Miller, Walter Marion ....... Pa.
Mitchell, Henry Chalmers .... Pa.
Moncada, Marco Aurelio, Colombia
Montague, Aloysius Francis .... Pa.
Moore, Darius Carrier ....... Pa.
Moore, Warren Adolphus ....... Pa.
Morse, A. Raymond .......... N.Y.
Moser, Raymond Anson ....... Pa.
Murphy, Francic Aloysius ....... Pa.
Musser, Lawrence Guerin ...... Pa.
Myers, Edward Ralph ....... Pa.
Mylin, Walter Franklin ....... Pa.
Neptune, Norman William .... Ohio
Newcomb, Marcus W. .......... N.J.
Nickel, James Edward ....... Pa.
Northey, Arthur Earl ....... Me.
O'Brien, John Daniel ....... Pa.
Oglevee, Thomas Edison ...... Pa.
O'Neil, Michael Joseph ....... R.I.
Patterson, Robert Mehard ...... Pa.
Peltz, Philip Malcolm ....... Pa.
Pilling, George Platt, Jr. .... Pa.
Platt, Thomas Heritage, Jr. ...... N.J.
Plum, Stanley E. .......... Pa.
Pritchard, Frederick Morris .... Pa.
Prothero, Harold Ney ....... Pa.
Quick, Thaddeus Hart ....... Ohio
Quiney, James J. .......... N.J.
Reber, Conrad Samuel (M.E.) .... Pa.
Riggs, Joseph Potter ....... N.J.
Robison, Clair Edward ....... Pa.
Rose, Horace Lewis .......... N.J.
Schaffer, Harry Abraham ....... Pa.
Schoolman, Noah .......... Pa.
Schwartz, Lorraine L. ....... Pa.
Severs, George Harvey ....... Pa.
Seymour, Michael Joseph ....... Pa.
Sherger, John Adam ....... Pa.
Sheridan, Lawrence Aloysius .... Pa.
Shiner, Milton Charles ....... Tex.
Sill, Ralph Henry .......... Ohio
Smith, Lawrence De Haven .... Del.
Stanton, John Jos. ....... Pa.
Stewart, Robert Armstrong .... Pa.
Strawn, Thomas .......... Pa.
Sullivan, Joseph Vincent ....... Mass.
Swan, James Hayes (M.E.) ....... Pa.
Tauber, Bernard .......... N.Y.
Taylor, Walter Albert ....... N.J.
Titman, Charles Eugene ....... Pa.
SOPHOMORE CLASS.

Atkins, George Hulings (Ph. G.) Del.

Bachrach, Benjamin . Ill.

Beardsley, Edward John Conn.
Bechtel, James Frank Pa.

Bergen, Perore Norbert Mass.
Beaser, David Valentine Va.
Bice, Barrett Dedrick Va.
Blackwood, James Magee (B.S.) Pa.

Bowers, Clarence George Pa.
Bowman, Thomas Edward Pa.
Boyle, Patrick Francis Pa.
Breen, James L. Pa.

Britt, Charles Carroll Pa.
Brown, George Christopher Mass.
Bryson, John Frampton (M.E.) Pa.
Bushey, Harry Frederick Pa.

Coleman, Oscar Edwin Col.
Connaway, Henry Clay Md.
Conner, Stilman Henry Pa.

Cooper, Randolph N. J.
Crowe, Frank Beresford (A.B.) Pa.

Davies, David Hill Pa.
Davis, William Nevins Pa.
De Kay, Julius Miner. N. Y.
Dexter, Charles Amory Ga.
Dinkelspiel, Max R. Pa.

Drick, George Rosemillier (M.E.) Pa.
Dwyer, James Vincent Pa.
Ely, Clarence Francis Pa.

Ernst, Charles Henry Pa.
Evans, William Burd Pa.
Ewing, Samuel Eldridge N. J.

Ford, Edward F. Pa.
Fox, Francis H. Pa.
French, Ralph William Pa.

Gardner, Raymond H. Pa.
Gibbons, Miles A. Pa.
Gille, Hugo (Ph.G.) N. J.
Glasgow, Luther Ellis Pa.
Greaves, Harrison Adams Pa.
Greer, William Franklin, Jr. (Ph.G.) Pa.
Griffith, Morgan Everett Pa.

Grimes, George Dalton (A.B.), Kan.
Grove, Austin Millard Pa.

Hardy, James Hazen Mass.
Harris, Frederick Thomas Idaho.
Hartzell, R. Keeler (B.S.) Pa.
Hayes, William Clayton Pa.
Hazzelt, Edgar Marion Pa.

Heacock, Frank L. Conn.
Hearn, Marion Md.
Hein, Lyman David Pa.
Heineberg, Alfred (P.D). Ala.

Henry, Howard Gobin Pa.
Hill, George Price Pa.
Hollingsworth, Robert Blackshear La.

Horner, Earle Hartle Ill.
Hottenstein, Peter David (P.D.) Pa.
Howard, James Caryl Pa.

Hull, Robert Lord Maine.
Ingraham, Norman Rech Pa.
Ireland, Frederick W. N. Y.

Ireland, Milton Stanton N. J.

Jarvis, Cecil C. W. Va.
Johannson, Alfred Herman, Sweden
Johnston, Hugh Jacob Pa.

Kane, Clinton Austin Md.
Keating, Charles Albert, Jr. N. J.
Kelley, Alfred Logan Del.
Kelly, Carroll Jerome Pa.

Kelly, Thomas Martin Pa.
Kirby, Frank Brendann (P.D.) Pa.
Kirkpatrick, William Burke Pa.
Kirschner, Harry Edward Pa.
Kistler, Alvin Jacob Pa.

Lacock, Horace Mortimer Pa.
Lawrence, Michael Herman Pa.
Lehman, Joseph Davis (Ph. G.) Pa.

Linton, Jay Dever Pa.

Mader, Elias Pa.
McClore, Joseph Hamilton Ph.
McCoy, James Edward (Ph.G.) Pa.

Maclay, Joseph Alan N. Y.
Manning, Charles La Forge N. J.
Miller, Solomon Metz (Ph. G.) Pa.
Minor, Jefferson Bernando MASS.
Mooney, William Francis Mass.
Moore, Joseph Aloysius Pa.
Moore, Philip Henry (A.B.) Pa.

Mundenhik, Herbert Conner (Ph.B.) Ohio.
Munsch, Augustus Philip Pa.
Myers, Dennis Alexis (D.D.S.) Pa.

Nealon, William James Pa.
Newton, John Joseph Pa.
Nofer, George Hancock (B.S.) Pa.

O'Donnell, James Vincent Pa.
Ogden, Edward Messenger N. Y.
O'Neill, James Frederick Pa.

Outerson, Richard Ambrose Conn.

Palmer, Charles Walter Pa.
Paton, Gideon Harmer Pa.
Parry, Evan Jenkins Pa.

Pechin, Edward Charles Pa.
Pelouze, Percy Starr N. J.
Perry, Earl Hunter N. Y.

Potter, George Walter Pa.
Powers, Thomas Wilson Ala.

Quillinian, William Francis Pa.
Ralston, William James Pa.
Ransom, Matthias Lent N. Y.
Rhoads, John Pa.

Rodman, Robert William N. Y.
Rutherford, John Burton Pa.

Salus, Harry Weider Pa.
Schaffner, Floyd Willamier Pa.
Schofistall, Joseph Wellington Pa.
Scott, Robert Crawford Pa.

Segal, Julius Pa.

Shepley, Robert McMurrain Pa.

Shimoon, Joseph Persia.
Sixer, Isaac Grafton (P.D.) Pa.

Smithley, James Meredith Pa.
Smith, Frank Albert Pa.
Smithgall, Melvin Harvey Pa.

Snyder, Charles (B.E.) Pa.

Sorin, Herman Mitchell N. J.
Spitz, Louis Pa.

Steel, John Ward Del.
Stewart, Ralph Waldo Ohio.

Stimson, Howard George (P.D.) N.J.

Stokes, John Wallace N. Y.

Swogger, Lawrence Lonzo Pa.

Sycle, Moses Va.

Taylor, Herbert Lionel N. H.
Tierney, Michael Francis Pa.

Tinney, Alfred Grant Pa.

Trainer, Elmer William Mont.

Trainor, Charles Edwin Miss.

Wakefield, Ralph Waldo Me.
Webb, Fred Leland Iowa.
Wert, Nevin Blank Pa.
Wertman, Mahlon Andrew Pa.
Wherry, Calvin Norwood Pa.
Wigmore, Frank Smith Pa.
Woodburn, Wilton Pa.
Wormser, Bernard Bertram Pa.

Wright, Howard Jarvis Conn.

Zehner, Samuel Tilden Pa.
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**JUNIOR CLASS**

**SENIOR CLASS**
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Ewing, William Aaron . Ohio
Fletcher, Robert Swan . Mass.
Fletcher, Thomas Alfred . Ohio
Funkhouser, Edgar Bright (B.S.) Va.
Gano, Frederick Frelinghuyzen, N.Y.
Goodman, Sylvester J. (Ph.G.), Ohio
Gordon, George Jacob . Minn.
Graven, Thomas Arthur . Ohio
Gromann, John . N. Y.
Gullick, Arthur Cornelius . Wis.
Hatfield, George Laughhead . Pa.
Hedley, James Roger . Pa.
Henry, George . . N. J.
Heyde, Jacob Myers . Ohio
Jackson, Algrenon Braashe . Ind.
Jimenez, Luis Paulino (A.B.), C. R.
Keeney, Madison J. . Ind.
Kieffer, George Christopher . Pa.
Kennedy, Joseph P. . Pa.
La Velle, Harry Minhorn . W. Va.
Le Févre, Rufus Eshbach . Pa.
Lohmann, Henry . Ind.
MacOdrum, Angus . N. S.
Mayhew, Samuel Dixon . N. J.
Mayburgh, Isaac . Ind.
Minner, Louis Augustus (M.D.) (Ph.G.) . Ill.
Morales, Marcos Delio . Cuba
Morris, William Francis . Ind.
Newby, George Edgar . N. C.
Nutter, Harry Manlove . Del.
Osgood, Walter Wadsworth . Ill.
Payne, Frank Irving . Conn.
Pennington, Henry Vincent (M.D.) . Ky.
Powell, Oscar Littleton . Va.
Pratt, John Perkins (A.B.) . Ohio
Ramsey, Clarence Scott (A.B.), Ohio
Reddan, Martin William Patrick . N. J.
Richardson, Harry Tompkins . Pa.
Ridpath, Paul Cole . Wash.
Robinson, Silas Edwin . N. J.
Santee, Charles La Motte . Pa.
Schall, David Horace, Jr. . Pa.
Schwartz, George Jacob . Pa.
Scull, James Ireland . N. J.
Small, Thomas Winn . Me.
Smith, Dudley Almon (M.D.), Ohio
Smith, Floyd Wilbert . Ohio
Smith, William Bernard . N. Y.
Smith, Willard Wallace (M.D.), Ohio
Stase, Jacob Samuel (Ph.G.), N. Y.
Stockton, William Clark . Ohio
Stors, Eckley Raynor . Conn.
Street, Thomas Hezekiah . Ala.
Striebich, Joseph Albert . Pa.
Tatum, Harry Erskine . Mo.
Taylor, Merryn Ross F. . Canada
Taylor, Wilfred Jerrold . Ohio
Thigpen, William Jordan . N. C.
Tucker, John Davis . Pa.
Wetherbee, Joseph Robbins . Ore.
White, Thomas Charles, Jr. . Miss.
Wick, Victor Vernon . Ohio

SPECIAL STUDENTS.
Allen, Francis Sherwin (M.D.), Pa.
Cloud, J. Howard (M.D.) . Pa.
Corrigan, William Hilyary (M.D.) . Pa.
Lane, Leonidas Polk (M.D.) . Ga.
Rea, Clarence Gallagher . Ill.
Sulzbacher, Carl I. (M.D.) . Mo.
Waller, George F. (M.D.) . Cal.
Winchester, Frank Mortimer (M.D.) . N. C.

SUMMARY.

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RECAPITULATION.

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THE objects of this Association are the promotion of the prosperity of the Jefferson Medical College, offering of prizes, publishing of the meritorious theses, endowment of scholarships for free medical education at the College of sons of Alumni whose means are limited, collection of anatomical and pathological specimens for the College museum, maintenance and cultivation of good feeling among the Alumni, and, above all, advancement of the interest of medical education and diffusion of sound medical knowledge.

The members of the Association are the graduates and professors of the Jefferson Medical College. The Trustees of the College and the Alumni of other recognized institutions are eligible to honorary membership. The annual contribution is one dollar, and when first paid constitutes the entrance fee to the Association. Any member who has paid his annual subscription for five years, or who has paid the sum of five dollars, becomes a life-member, and receives a diploma of life-membership, and is exempt from further dues. The latter is the preferable plan of payment.

Officers for the ensuing year:

President, J. K. Weaver, Norristown, Pa.


Corresponding Secretary, Thos. G. Ashton, 128 South 17th Street, Philadelphia, Pa.

Recording Secretary, Wilmer Krusen, 127 N. 23rd Street, Philadelphia, Pa.


Chairman of Executive Committee, Orville Horwitz, 1721 Walnut St., Philadelphia, Pa.

The Philadelphia chapter will hold four clinical meetings during the year.

The annual business meeting will be held on the third Saturday in January.

Graduates are requested to forward to the Corresponding Secretary their present address.

* Members of the Association who have already paid annual subscriptions are respectfully reminded that the amount is due for five years from date of membership, and that it is desirable that they shall, at their earliest convenience, by completing the full amount specified for such purpose, become enrolled in the list of life-members of the Association.
THE JEFFERSON MEDICAL COLLEGE, PHILADELPHIA