1898

The Jefferson Medical College of Philadelphia and its Hospital 74th Annual Announcement: Register of Students for 1897-1898, Session of 1898-1899

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The Jefferson Medical College of Philadelphia and its Hospital

Register of Students for 1897-1898

74th Annual Announcement

The Circular for the next Session will be issued in June, when a copy will be promptly sent to your address.

Session of 1898-99
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, 
Louis A. Biddle, 
William H. Newbold, 
Charles H. E. Aubert, 
Daniel F. Baugh, 
James P. Townsend, 
Edward I. Smith, 
Samuel Goodman.

CALENDAR.

April 20th, 1898. 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, II A.M.

September 19th. Preliminary Lectures Begin.

Sept. 26th and Oct. 3d. Entrance Examination, II A.M.

October 3d. Regular Session Begins. Introductory Lecture, 8 P.M.

October 3d. Appointments Made for Entrance and Grading Examinations.

Thanksgiving Day. Holiday.

December 22d. Christmas Recess Begins, 6 P.M.

Christmas Recess.

1899

January 4th. College Work Resumed, 9 A.M.


February 22d. Washington's Birthday; Holiday.

March 31st. Holiday; Good Friday.

April 18th. Registration Book for Next Session Opened This Day.

April 22d. All Lectures Close.

April 24th. Examinations Begin.

May 15th. 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.

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

WILLIAM W. KEEN, M.D., LL.D., Professor of the Principles of Surgery and of Clinical Surgery, No. 1729 Chestnut Street.

H. A. HARE, M.D., Professor of Materia Medica and Therapeutics, No. 222 South 15th Street.

JAMES C. WILSON, M.D., Professor of Practice of Medicine and Clinical Medicine, No. 1437 Walnut Street.

E. E. MONTGOMERY, M.D., Professor of Gynecology, No. 1715 Walnut Street.

W. M. L. COPLIN, M.D., Professor of Pathology and Bacteriology, at the College.

G. E. DE SCHWEINITZ, M.D., Professor of Ophthalmology, No. 1401 Locust Street.

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

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

*Prof. Davis takes the place made vacant by the death of Prof. Theophilus Parvin, M.D., LL.D. The deceased was an accurate scholar, graceful writer, and eloquent speaker. He attained an international reputation as an authority in his chosen branch.

HONORARY AND CLINICAL PROFESSORS.

J. SOLIS-COHEN, M.D., Honorary Professor of Laryngology, No. 1431 Walnut 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.

F. X. DERCUM, M.D., Clinical Professor of Diseases of the Nervous System, No. 1719 Walnut Street.

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

S. MACCUEN SMITH, M.D., Clinical Professor of Otolaryngology, No. 1502 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. 1611 Spruce Street.

J. CHALMERS DA COSTA, M.D., Clinical Professor of Surgery, No. 1629 Locust Street.

JAMES M. BARTON, M.D., Clinical Professor of Surgery, No. 1337 Spruce 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.

LECTURER.

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

ASSOCIATES.

DEMONSTRATORS.

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

E. O. 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.

RANDALL C. KOSENBERGER, M.D., Demonstrator of Normal Histology and Bacteriology, and Curator of the Museum.

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

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

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

JOHN H. GIBBON, M.D., Demonstrator of Osteology.

STRICKER COLES, M.D., Demonstrator of Obstetrics.
PROSECTOR.
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. SHRINER, M.D., Instructor in Diseases of Children.
E. L. KOOPP, M.D., Instructor in Otolaryngology.
C. W. HOOPES, M.D., Instructor in Otolaryngology.
W. M. SWEET, M.D., Instructor in Ophthalmology.
H. R. LOUX, M.D., Instructor in Bandaging and Fracture Dressings.
DAVID BEVAN, M.D., Instructor in Obstetrics.
W. H. WELLS, M.D., Instructor in Clinical Obstetrics.
JOHN LINDSAY, M.D., Assistant Demonstrator of Anatomy.
J. P. BOLTON, M.D., Assistant Demonstrator of Chemistry.
C. H. RECKEFUS, Jr., M.D., Assistant Demonstrator of Anatomy.
C. D. S. FRUH, M.D., Assistant Demonstrator of Anatomy.
HOWARD DEHONEY, M.D., Assistant Demonstrator of Anatomy.
J. K. CRAWFORD, M.D., Assistant Demonstrator of Anatomy.
E. H. GREEN, M.D., Assistant Demonstrator of Surgery.
HENRY L. DEXTER, M.D., Assistant Demonstrator of Surgery.
LYNFORD L. MOORE, M.D., Assistant Demonstrator of Surgery.
W. KRUEN, M.D., Assistant Demonstrator of Gynecology.
W. N. SEDGWICK, M.D., Assistant Demonstrator of Clinical Medicine.
J. C. DA COSTA, Jr., M.D., Assistant Demonstrator of Clinical Medicine.
E. HURST MAIER, M.D., Assistant Demonstrator of Gynecology.
HENRY TUCKER, M.D., Assistant Demonstrator of Clinical Medicine.
J. COLES BRICK, M.D., Assistant Demonstrator of Anatomy.
T. J. BUCHANAN, M.D., Assistant Demonstrator of Anatomy.
D. GREGG METHENY, M.D., Assistant Demonstrator of Surgery.
CHARLES BRADDOCK, M.D., Assistant Demonstrator of Surgery.
T. L. RHOADS, M.D., Assistant Demonstrator of Surgery.
MARTIN J. B. TINKER, M.D., Assistant Demonstrator of Surgery.
EMIL T. DIPPELL, M.D., Assistant Demonstrator of Bacteriology.
CHARLES S. BRADDOCK, M.D., Assistant Demonstrator of Diseases of Children.
JOHN B. CONWAY, M.D., Assistant Demonstrator of Obstetrics.
CHARLES A. HOLDER, M.D., Assistant Demonstrator of Therapeutics.
W. PAYSON READ, M.D., Assistant in Pathology.
L. H. PRINCE, Assistant in Histology.
R. B. MCKAY, A.B., Assistant in Chemistry.
OUT-PATIENT STAFF.

MEDICAL.
Assistants—A. H. Stewart, M.D., A. D. Faust, M.D., J. C. Da Costa, Jr., M.D., Henry Tucker, M.D., Francis J. Kelly, M.D., Chas. A. Holder, M.D., A. H. Read, M.D.

SURGICAL.
Martin H. Williams, M.D., Chief Clinical Assistant, and T. J. Buchanan, M.D., E. H. Green, M.D., Etherizers.
Bacteriological and Pathological Assistant—T. Leidy Rhoads, M.D.
Registrar—D. G. Metheny, M.D.

SURGICAL WARD CLASSES.
Henry Knox, M.D., Chief Assistant, W. W. Sedgwick, Etherizer.

OBSTETRICAL.
Stricker Coles, M.D., Assistant Obstetrician.
Assistants—W. H. Wells, M.D., David Bevan, M.D.

GYNECOLOGICAL.
John M. Fisher, M.D., Chief Clinical Assistant.
Assistants—James A. Irwin, M.D., Wilmer Krusen, M.D., Frederick H. Maier, M.D., Frank C. Hammond, M.D.
Pathologist and Bacteriologist—Emil T. Dippell, M.D.

OPHTHALMOLOGICAL.
Assistants—E. W. Stevens, M.D., R. Keely, M.D., Chas. Le Fever, M.D., A. H. Read, M.D., E. K. Perrine, M.D., W. M. Capp, M.D., S. Badeer, M.D., Robert Casperson, Jr., M.D., I. E. Amilon, M.D., L. F. Appleman, M.D.

LARYNGOLOGICAL.
F. L. Klopp, M.D., Chas. W. Coburn, M.D., Chief Clinical Assistants.

OTOLOGICAL.
E. L. Klopp, M.D., C. W. Hoopes, M.D., Chief Clinical Assistants.
Assistants—A. N. Jacob, M.D., W. J. McNaul, M.D., A. McKibben, M.D.

ORTHOPEDICAL.
J. T. Rugh, M.D., Chief Clinical Assistant.

DISEASES OF CHILDREN.
H. M. Shriner, M.D., Chief Clinical Assistant.
Assistants—J. L. Heller, M.D., C. I. Braddock, Jr., M.D., Stuart Evans, M.D., C. W. Le Fever, M.D., J. Kinnier Crawford, M.D.

DERMATOLOGICAL.
Emmanuel J. Stout, M.D., Chief Clinical Assistant.
Assistant—Henry L. Picard, M.D., Sarkis Badeer, M.D.

NEUROLOGICAL.
Max Bochroch, M.D., Chief Clinical Assistant.

GENITO-URINARY.
Assistants—R. O. Kevin, M.D., Wm. F. Morrison, M.D., Henry Tucker, M.D., E. E. Brown, M.D., Wm. F. Dugan, M.D., Thos. R. Seiple, M.D.
The Faculty Room. All the laboratories are well lighted and ventilated, and are provided with costly apparatus for practical and experimental work.

The Hospital Laboratories.

The new laboratories have been in successful operation for two terms. They occupy the fourth, fifth, and sixth stories of the new building adjoining the College, are above the roofs of surrounding buildings, and are confidently believed to offer facilities unexcelled on the continent. The ceilings are high, the windows large and so located as to afford ideal lighting. The total floor space is nearly 6000 square feet. At each window is a double desk, with two roll tops and a Yale lock, thus giving each student an individual desk entirely under his control while working in the laboratory. The desks are specially intended to meet the requirements of laboratory use, and were built from original designs; they are of oak, securely braced, thus affording a solidity not obtained in the ordinary working table. While there is an abundance of daylight, to secure good illumination on dark days or at night, each desk is supplied with a 32-candle-power incandescent light with reflector and shade. One hundred and ten students can be seated at one time. The department is supplied with 300 microscopes, microtomes for all methods of section cutting, and every appliance necessary for teaching in each department.

The Alumni of the College have subscribed the funds for the equipment, which has reached nearly $10,000, and is believed to contain every appliance useful for demonstration or study. A complete series of models of bacteria, drawings, etc., for the purpose of class teaching is the property of the department. A complete projection (electric) outfit is also used for teaching in this department.

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 have been treated in nineteen years: Surgical Diseases, including cases in the special clinics, Gynecological, Ophthalmological, Laryngological, Aural, Genito-urinary, and Orthopedic, 131,137 patients; Medical Diseases, including cases in the special clinics, Neurological, Dermatological, and for children, 58,974 patients. These, added to the 29,001 patients treated in the wards, make in all 219,112 patients treated in nineteen years. As the average
number of consultations for out-patients is five for each patient, the grand total of work for nineteen years is 1,095,570 consultations.

During the last year 2100 accident cases were treated. The number of patients cared for in the wards was 1480, and in the out-patient service 92,361 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 1897 there were 266 new obstetric cases and 170 children under treatment.

**TRAINING SCHOOL FOR NURSES.**

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 STUDENTS' READING ROOMS.**

These are conveniently situated in the Annex, have been comfortably furnished, and are managed by a board of ladies interested in the moral and social welfare of the students of this College. Books and current medical journals are provided, and receptions are given during the winter.

**COURSE OF INSTRUCTION.**

**PRELIMINARY LECTURES.**

The regular Winter didactic and clinical lectures are preceded by a week of preliminary lectures. The preliminary lectures begin September 19th and continue two weeks.

**THE REGULAR LECTURES.**

The regular lectures begin with an introductory on the evening of October 3d, by Professor Davis.

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 First-Year Class.**

To be admitted to the first-year class without examination the applicant must show that he is a graduate or matriculate of a reputable college, or 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 admission 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 first year in this College, may take the lectures and laboratory work in Chemistry of the second year during their first year, but must be examined in the Chemistry of both years at the end of the second 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 second year without an entrance examination. During this first 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 second 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 first-year Anatomy and Physiology at the end of their first year, and second-year Anatomy and Physiology at the end of their second year. There will be no charge for dissections in their second year.

Graduates of recognized Colleges of Pharmacy will be admitted to the second year, but at the end of their second year in this College they must be examined in the subjects of Anatomy, Physiology, and Histology as taught in the first and second years, and must have dissected the entire human body in this College. They have the option of taking first-year Anatomy and Physiology at the end of their first year, and second-year Anatomy and Physiology at the end of their second year. There will be no charge for dissections in their second year.

Graduates of recognized Dental Colleges are admitted to the second year, 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 second year. At the end of their second year in this College they must be examined in the subjects of Anatomy and Physiology as taught in the first and second 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.

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 be required, if they stand for a third, to take

*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 Colleges 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.
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 28.

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 Pharmacy, 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 13. 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 2, 1898. The successful candidates will receive their diplomas at the Commencement in May, 1899. 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, 1899, 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

First Year.

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

Second Year.

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

Third 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.

Fourth 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 payment is delayed to November 1st, the annual fee paid on or after that date will be $155 for that year. If paid by two or more instalments, $80 must be paid before November 1st, and $75 additional before February 1st.

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.

A breakage deposit of $5.00 must be made at the beginning of the session by students of the first, second, and third years. This will be returned at the close of the session less the amount charged against it for breakage.

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 1898, on September 24th, 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 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 Brinton or Keen 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 by the professors named or by their assistants. Professors Horwitz, Hearn, J. Chalmers Da Costa, and Barton will also give instruction in Clinical Surgery to ward classes in the Jefferson Hospital and 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 Demonstrator, Dr. 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.

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 Ophthalmoscopy, Diseases of the Eye, and the anomalies of refraction will be given in the Eye Dispensary to fourth-year students in sections by the professors or their assistants.

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 by Professor H. Augustus Wilson, and instruction to small sections of the class by the professor and his assistants 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 Prof. 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. Professors Da Costa and 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, Barton, and Da Costa on the Surgical Staff; Drs. Salinger and Ashton on the Medical Staff; Professor Davis and Dr. J. M. Fisher on the Obstetrical and Gynecological Staff.

St. Joseph's Hospital.—Professor Montgomery is Gynecologist to this Hospital, 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 amphitheater, with ample seating capacity, has been recently erected.

Orthopedic Hospital and Infirmary for Nervous Diseases.—Professors Keen, Dercum, and de Schweinitz are members of the Staff.

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 institution, as the Orthopedic Hospital and Infirmary for Nervous Diseases, Dispensary for Diseases of the Skin, Children's Hospital, and others. Graduates and advanced students desiring to pursue any special branch of medical science, any of the recognized specialties, have, therefore, admirable opportunities afforded them in these various hospitals.

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 the Demonstrator and his Assistant. Each student, during his course, has assigned to him a table, with full reagent sets.

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 first 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 second 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.

Advanced students who desire to pursue special clinical investigations will be given the opportunity under suitable regulations.

THE LABORATORY 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 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.

MUSEUM OF COMPARATIVE PHYSIOLOGY.

A collection, embracing several hundred specimens, many of which are extremely rare, illustrates the comparative physiology of the teeth, stomach, etc., of the circulatory, respiratory, and genito-urinary organs, of the nervous system, and of the successive stages in the development of the human embryo. The collection is used in illustrating the demonstrations.

Arrangements have been made through which both the Laboratory and Museum can be used for original research. Living fresh-water and marine objects for biological study, as well as ample material for the dissection of types of animal life, can be supplied from time to time as required.

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.

Post-mortems.—The class, divided into sections, is given detailed instruction in the method of conducting post-mortems and the examination of fresh specimens.

THE NEW LABORATORIES OF THE JEFFERSON MEDICAL COLLEGE HOSPITAL.

A description of these laboratories will be found on page 8. 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 fourth floor of the new Hospital 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 demonstration of the minute or microscopical 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.

THE LABORATORY OF MORBID HISTOLOGY.—This Laboratory occupies the fifth story of the new Hospital 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 LABORATORY OF BACTERIOLOGY.—This Laboratory occupies the sixth floor of the new Hospital 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 being 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, etc. 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.

PRACTICAL ANATOMY.

The rooms are spacious and provided with every convenience. They are open during the Winter session daily from 8 A.M. to 10 P.M., and during April, May, and to the middle of June, daily, from 8 A.M. to 6 P.M.

The material is furnished at $1 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 more than 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 bones, 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 on special parts and organs.

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

With the 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.

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 acquisition of anatomical knowledge.

The Professor of Anatomy holds, during the last half of the term, weekly recitations over the dead body.

THE LABORATORY OF 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 LABORATORY OF OPERATIVE AND MINOR SURGERY
AND BANDAGING.

This department is in charge of the Demonstrator of Surgery
and assistants under the direction of the Professors of Surgery.

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

Students of the third year’s course are carefully instructed in
the use of fracture dressings, which they are individually required
to apply.

Each student is taught the use of the hypodermic syringe,
the proper method of passing the catheter, the application of
tourniquets, and the employment of the various surgical knots
and sutures in use.

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

Before any 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 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 drain-
age of communities.

CLINICAL MICROSCOPY.

The course in Clinical Microscopy is under the direct super-
vision of the Professor of Pathology. The course is now con-
ducted 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 hæmoglobin, etc., also a course in Urinary
Microscopy.

RECI TATIONS BY PROFESSORS AND INSTRUCTORS.

Systematic recitations constitute an important part of the in-
struction, 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 Keen and Dr. Geo. W.
Spencer.
Chemistry.—By Professor Holland.
Anatomy.—By the demonstrators.
Therapeutics.—By Professor Hare.
Practice of Medicine.—By Professors Salinger and Ashton.
Gynecology.—By Professor Montgomery.
Pathology.—By Professor Coplin.
Ophthalmology.—By Professors de Schweinitz and Hansell.
Obstetrics.—By Professor Davis.
Histology.—By Professor Harris.
Bacteriology.—By Professor Coplin or Doctor Reed.
Laryngology.—By Professors Jones and Kyle.
Dermatology.—By Professor Stelwagon.
Orthopedic Surgery.—By Professor H. Augustus Wilson and Dr.
J. T. Rugh.
Pediatrics.—By Dr. H. M. Shriner.
Neurology.—By Professor Dercum.
Otology.—By Professor Smith and Doctors Klopp and Hoopes.

SUMMARY OF THE REGULAR FOUR YEARS’
COURSE.*

The graded curriculum is arranged as follows:

FIRST YEAR.

Anatomy.—Four lectures, ten hours of dissection, and three de-
monstrations in Osteology per week with recitations.
Normal Histology.—One recitation and eight hours’ labora-
tory instruction per week part of the term.
Bacteriology.—One lecture per week for half the term.
Physiology.—Three lectures per week including demonstrations.
General Chemistry and Toxicology.—Two lectures with recita-
tions, and four hours of laboratory instruction per week half
of the term.

* Subject to change.
Materia Medica and Pharmacy.—One lecture for half the session and two hours of laboratory work 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, Elementary Bacteriology, Physiology (Digestion, Absorption, Circulation, Animal Heat, Respiration, and Excretion), General Chemistry and Toxicology, Materia Medica and Pharmacy, Bandaging, and Fracture Dressings.

Students failing in any examination at the end of this year will be required to pass in such branches before the fifteenth of the following October before entering the second-year class. Students failing in all the examinations at the end of the year will be required to take the first year's course a second time.

SECOND YEAR.

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

General Pathology.—One lecture and one recitation per week.

Hygiene.—One lecture per week.

Pathological Histology.—Seven hours of laboratory work and recitations part of the term.

Physiology.—Three lectures per week including demonstrations.

Medical Chemistry.—One lecture with recitation, and two hours' practical instruction in Clinical Chemistry per week half of the term.

Therapeutics.—Two lectures per week until January 1st; three lectures after that date.

Obstetrics.—One lecture and one recitation per week.

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

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

Ophthalmology.—One lecture half the term and one clinic per week.

Gynecology.—One recitation and one lecture per week.

Examinations will be held at the close of the term in Pathology and Bacteriology, Medical Jurisprudence, Obstetrics, including Operative Obstetrics, Therapeutics, Surgery (American Text-book of Surgery up to and including Fractures, and also the chapters on Dislocations, Hernia, and Surgical Diseases of the Skin and its Appendages), Operative Surgery.

Students failing in any examination at the end of this year will be required to pass in such branches before the fifteenth of the following October before entering the fourth-year class. Students failing in all the examinations at the end of the year will be required to take the third year's course a second time.

THIRD YEAR.

Pathology.—Two lectures and one recitation per week.

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

Morbid Anatomy.—Three hours per week for part of the term.

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 until January 1st; three lectures after that date.

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

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 lecture and one bedside demonstration per week.

Ophthalmology.—One lecture half the term and one clinic per week.

Gynecology.—One recitation and one lecture per week.

Examinations will be held at the close of the term in Pathology and Bacteriology, Medical Jurisprudence, Obstetrics, including Operative Obstetrics, Therapeutics, Surgery (American Text-book of Surgery up to and including Fractures, and also the chapters on Dislocations, Hernia, and Surgical Diseases of the Skin and its Appendages), Operative Surgery.

Students failing in any examination at the end of this year will be required to pass in such branches before the fifteenth of the following October before entering the fourth-year class. Students failing in all the examinations at the end of the year will be required to take the third year's course a second time.

FOURTH YEAR.

Pathology.—One post-mortem per week.

Special Therapeutics.—One lecture per week for half the year.

Electro-Therapeutics.—Section work.

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

Clinical Obstetrics.—Two obstetric clinics weekly, bedside demonstration and attendance upon cases.

Special Surgery.—One lecture and one hour of class examination per 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.

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.

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 examination, 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. 13.

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 all graduates in medicine. A list of those receiving these in the current year will be found on p. 41.

STUDENTS' MEDICAL SOCIETIES.

Members of different classes have organized the Hare, Keen, Wilson, and Forbes Medical Societies. Meetings are held twice a month for consideration of essays on Therapeutics, Surgery, Practice of Medicine, and Anatomy.

The meetings are held in the students' reading rooms. The management of these rooms are prepared to assist students in many practical ways, having a bureau of information for the new student in the early part of the course.

The following prizes are offered to the graduates of the Jefferson Medical College, to be conferred at the Annual Commencement in 1899:

Practice Prize. A Gold Medal, for the best Essay on a subject pertaining to the Practice of Medicine.

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

Physiology Prize. A Gold Medal, for the best Essay or the best Examination on a subject pertaining to Physiology (open to undergraduates of the second year).


Obstetrical Prize. A Gold Medal, for the best Essay on Obstetrics, or for a specimen illustrating some point in relation thereto.

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 a subject pertaining to the branch of Pathology, or for the best Examination.

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

Gynecology Prize. By Professor Montgomery, a Case of Instruments, for the best Examination in Gynecology.

The W. S. Forbes Anatomical League Prize. By Professor Forbes, One Hundred and Fifty Dollars, for the member of the Anatomical League having the Highest Standing in a competitive Examination in Anatomy.

H. A. Hare Society Prize. By Prof. Hare, Fifty Dollars, to the member of the H. A. Hare Society, passing the best Examination in all the branches.

J. C. Wilson Society Prize. By a friend of the Society, Fifty Dollars, to the member of the J. C. Wilson Society, passing the best Examination in all the branches.

W. W. Keen Society Prize. By P. Albert Moore, M. D., a Gold Medal, for the best Examination in Surgery on the part of a member of the W. W. Keen Society.

Clinical Ophthalmology Prize. By Professor de Schweinitz, Thirty Dollars, for the best Notes on his Clinics.

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

Physiological Action of Drugs Prize. By a friend of "higher medical education," Twenty-Five Dollars, for the best Examination on the Physiological Action of Drugs.

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 Examination in Neurology.
Clinical Text-Books.

FIRST YEAR.

Text-Books. Required.

Physiology.—Chapman; Brubaker.

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

Hygiene and Public Health.—Coplin and Bevan.

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.


Architecture of the Brain, by Fuller. Quain.

SECOND, THIRD, AND FOURTH YEARS.

Text-Books. Required.

Physiology.—Chapman.

Medical Jurisprudence.—Chapman.

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

Anatomy.—Morris; Gray.

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


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 and Stelwagon's Essentials of 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.—De Schweinitz; Hansell and Bell.

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

Medical Dictionaries.—Dunglison; Gould; Duane.
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, Tenth Street above Walnut, 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 11 A.M. to 1 P.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, at Fifteenth and Chestnut Streets, Philadelphia.

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

Letters on business of exclusive interest to the writer must enclose 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.

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**ORDER OF LECTURES AND PRACTICAL INSTRUCTION.**

**FIRST YEAR.***

<table>
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<tr>
<th>Hr.</th>
<th>MONDAY.</th>
<th>TUESDAY.</th>
<th>WEDNESDAY.</th>
<th>THURSDAY.</th>
<th>FRIDAY.</th>
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<td>10</td>
<td>Sections in Practical Histology.</td>
<td>Sections Chemical Laboratory or Bandaging.</td>
<td>Holland. Chemistry and Toxicology.</td>
<td>Chemical Laboratory or Bandaging.</td>
<td>Sections Practical Histology.</td>
<td>Sections in Practical Histology and Pharmacy.</td>
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<td>9</td>
<td>Dissection.</td>
<td>Dissection or Pathological Histology.</td>
<td>Dissection or Pathological Histology.</td>
<td>Dissection or Sections in Clinical Chemistry Laboratory.</td>
<td>Dissection.</td>
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## THIRD YEAR

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<td>Sections in Bacteriology. Laboratory.</td>
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<tr>
<td>7:30</td>
<td>Recitations in Practice of Medicine.</td>
<td>8:30 Recitations in Surgery.</td>
<td>Operative Surgery.</td>
<td>Recitations in Practice of Medicine.</td>
<td>Recitations in Practice of Medicine.</td>
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*Subject to alteration.
### GRADUATES.

**MAY, 1897.**

At a Public Commencement, held at the American Academy of Music on the fourteenth day of May, 1897, the Degree of Doctor of Medicine was conferred on the following gentlemen by the President, Hon. William Potter, after which an address was delivered by Rev. Francis L. Patton, D.D., LL.D., President of Princeton University, the exercises closing with a Valedictory by Professor Montgomery.

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Appleman, Leighton Francis</td>
<td>Pa.</td>
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<tr>
<td>Ashford, John Wesson</td>
<td>Ga.</td>
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<tr>
<td>Balliet, Calvin Joseph</td>
<td>Pa.</td>
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<tr>
<td>Barkley, John Wesley</td>
<td>Pa.</td>
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<tr>
<td>Barnd, Franklin Pierce</td>
<td>Pa.</td>
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<tr>
<td>Barnes, Charles Stewart</td>
<td>Ohio.</td>
</tr>
<tr>
<td>Barr, William Forse</td>
<td>Pa.</td>
</tr>
<tr>
<td>Becker, Edwin Isaac</td>
<td>Neb.</td>
</tr>
<tr>
<td>Biddle, Philip George</td>
<td>Pa.</td>
</tr>
<tr>
<td>Boehner, George Henry</td>
<td>Ohio.</td>
</tr>
<tr>
<td>Boren, Samuel Wesley</td>
<td>Ind.</td>
</tr>
<tr>
<td>Bovard, Forrest Johnson</td>
<td>Pa.</td>
</tr>
<tr>
<td>Brindley, Archie Clarence</td>
<td>Pa.</td>
</tr>
<tr>
<td>Brindley, William George</td>
<td>Ohio.</td>
</tr>
<tr>
<td>Brown, David Albert</td>
<td>Pa.</td>
</tr>
<tr>
<td>Brown, Elmer Ellsworth</td>
<td>Pa.</td>
</tr>
<tr>
<td>Camden, Rolla</td>
<td>W. Va.</td>
</tr>
<tr>
<td>Clark, William Pawson</td>
<td>Conn.</td>
</tr>
<tr>
<td>Clinger, Edgar Moore</td>
<td>Pa.</td>
</tr>
<tr>
<td>Colley, Brown</td>
<td>Pa.</td>
</tr>
<tr>
<td>Conway, John Baptiste</td>
<td>Pa.</td>
</tr>
<tr>
<td>Cooley, Judson Cassius</td>
<td>Pa.</td>
</tr>
<tr>
<td>Crane, Charles A.</td>
<td>Ill.</td>
</tr>
<tr>
<td>Cunningham, George</td>
<td>N. J.</td>
</tr>
<tr>
<td>Dare, Gilbert DeWitt</td>
<td>N. Y.</td>
</tr>
<tr>
<td>Dawson, Byron F. (Ph.G., M.D.)</td>
<td>Cal.</td>
</tr>
<tr>
<td>Deadywler, Madison Pope</td>
<td>Ga.</td>
</tr>
<tr>
<td>Decker, Frederick Howard</td>
<td>N. J.</td>
</tr>
<tr>
<td>Devine, Robert Hamilton</td>
<td>W. Va.</td>
</tr>
<tr>
<td>Dippell, Emil Theodore</td>
<td>Pa.</td>
</tr>
<tr>
<td>Doyle, John James</td>
<td>Pa.</td>
</tr>
<tr>
<td>Dunkle, Galy Barr</td>
<td>Pa.</td>
</tr>
<tr>
<td>Emerson, Linn</td>
<td>N. Y.</td>
</tr>
<tr>
<td>Emery, Harry Smith</td>
<td>Me.</td>
</tr>
<tr>
<td>Ericsson, Bror Otto</td>
<td>Finland.</td>
</tr>
<tr>
<td>Evans, Stuart</td>
<td>Pa.</td>
</tr>
<tr>
<td>Fee, Elam Kaott</td>
<td>Pa.</td>
</tr>
<tr>
<td>Fish, Clyde Millhannah</td>
<td>Pa.</td>
</tr>
<tr>
<td>Foulks, Wallace Scott</td>
<td>Ohio.</td>
</tr>
<tr>
<td>Franklin, M. Burnett</td>
<td>Ga.</td>
</tr>
<tr>
<td>Fraser, Hugh Daniel</td>
<td>Canada.</td>
</tr>
<tr>
<td>Funk, William Warren</td>
<td>Pa.</td>
</tr>
<tr>
<td>Gilmartin, John Lawrence</td>
<td>Ill.</td>
</tr>
<tr>
<td>Gordon, Altamont Lafayette</td>
<td>Pa.</td>
</tr>
<tr>
<td>Gray, James Robinson</td>
<td>Pa.</td>
</tr>
<tr>
<td>Green, Howard Lee</td>
<td>Pa.</td>
</tr>
<tr>
<td>Groschner, Carl Braun</td>
<td>Ohio.</td>
</tr>
<tr>
<td>Gutmann, Benjamin</td>
<td>N. J.</td>
</tr>
<tr>
<td>Haines, Joseph Ridgway</td>
<td>N. J.</td>
</tr>
<tr>
<td>Haines, Willits Parker</td>
<td>Pa.</td>
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<tr>
<td>Halbeisen, William Joseph</td>
<td>N. J.</td>
</tr>
<tr>
<td>Hamma, James Archibald</td>
<td>Pa.</td>
</tr>
<tr>
<td>Hamman, George Alvan</td>
<td>Mo.</td>
</tr>
<tr>
<td>Hawkeye, Richard John</td>
<td>Canada.</td>
</tr>
<tr>
<td>Hazlett, Silas Metz</td>
<td>Pa.</td>
</tr>
<tr>
<td>Heffner, Curtis</td>
<td>Pa.</td>
</tr>
<tr>
<td>Heffin, Ernest Lee</td>
<td>Ky.</td>
</tr>
<tr>
<td>Heiser, Victor George</td>
<td>Pa.</td>
</tr>
<tr>
<td>Hemeon, Fred k Chipman (A.B.)</td>
<td>Canada.</td>
</tr>
</tbody>
</table>

*Subject to alteration.*
Henahan, Bernard Elliot, Me.
Henry, Byron, Pa.
Hetrick, David Joseph, Pa.
Hill, John Emmett, Pa.
Holder, Charles Adams, Pa.
Hopkins, Scott Bruce, Iowa.
Irwin, William, Ireland.
Jackson, Ion A., Ohio.
Johnson, Syvert H., N. Dak.
Jones, John Comer, N. J.
Jones, Leighton Wherry, Pa.
Kellogg, William Arudy, La.
Kemble, Charles Cochran, Pa.
Kistler, Chester K., Pa.
Kress, Frederick Charles, Pa.
Landis, Henry Robert Murray, Ohio.
Lefcowitch, Charles Henry, Pa.
Le Fevre, Charles Wesley, Ohio.
Lewis, Norman, Pa.
Lockwood, George Bertrand, Me.
Love, John King, Pa.
MacDowell, Samuel Ira, Pa.
Magraw, George Thomas, Md.
Mahon, Alfred Neale, Conn.
Maloney, Maurice, Pa.
Many, Harry Crawford, Pa.
Matterson, James Gicker (M.E.), Pa.
May, John Shepard, Mass.
Millhoff, Clarence Beacom, Pa.
Mitchell, William Albert, Wash.
Monie, David McDonald, Pa.
Montgomery, James McKay, Pa.
Moore, Franklin Thomas, N. J.
McAdam, William Ralph, Iowa.
McBee, John Madison, Tenn.
McBurney, Charles Fred., Pa.
McConnell, Edward Fraser, Cal.
McLeod, William Pyles, Pa.
McCormick, John Aloysius, Pa.
McKibben, Alpheus, Ky.
McMillan, William Thomas, Md.
Nelson, Audley Emmet, Iowa.
O'Connell, Austin, Pa.
O'Rourke, Jeremiah Francis, Conn.
O'Toole, Thomas Henry, Mass.
Penton, Frank Vincent, Cuba.
Pontius, Nevin Driesbach, Pa.
Purdy, James, Canada.
Pyfer, Howard F., Pa.
Ramsay, Robert Hudson, W. Va.
Rank, Harry Philip, Pa.
Raper, Thomas Walter, Pa.
Read, Alfred Hurst, Pa.
Richards, John David, Miss.
Risser, Ulysses Grant, Pa.
Roe, Byron Le Roy, Pa.
Rosen, Mayer, Pa.
Santee, George Oliver Oscar, Pa.
Saunders, Robert Rogers, Pa.
Scheiffy, John Edward, Del.
Schill, Francis George, Jr., Pa.
Schuelke, Julius Albert (M.D.), Pa.
Shallcross, William Gooding, Md.
Shelton, Hanson Penn, Ohio.
Shmookler, Henry Bernard, Pa.
Smiley, Howard Miles, Pa.
Smith, Charles Galen, Pa.
Smith, J. Anson, N. J.
Spotz, Gladding Emanuel, Pa.
Spratt, Charles Brewster, Pa.
Swaertzlander, Joseph Rankin, Pa.
Taylor, Frank Herbert, Pa.
Thayer, Royal Westcott, W. Va.
Thomas, Eb. W., Pa.
Thomas, Varus Arby, Pa.
Thomason, William Paul Owen, Ind.
Thome, William McKeel, Mo.
Traver, Samuel Nisley, Pa.
Trimmer, Luther Epeanetus, N. Y.
Turner, Philip Percy, Pa.
Urmson, Allan Walker, III.
Vanneman, Albert Walter, Ill.
Virgin, Walter Stanley, Ga.
Wagner, Earl Eulearn, Pa.
Wagner, John J., Pa.
Wallace, George Sellers, Pa.
Watt, Robert, Pa.
Weaver, George Slocomb, Ind.
Werner, Siegmund, Pa.
Wiggins, Edward Harvey, Pa.
Williams, Charles Morgan, N. J.
Woods, Abraham Lincoln, N. J.
Woodside, Harry Addison, Pa.

Recapitulation.

Of the preceding there were from—

Pennsylvania, 87
New Jersey, 11
Ohio, 9
West Virginia, 4
Georgia, 4
Canada, 4
Connecticut, 3
Maine, 3
Maryland, 3
Massachusetts, 3
Indiana, 3
Illinois, 3
New York, 3
California, 2
Missouri, 2

Total, 161

There are now 10,786 names in the list of graduates.

PRIZES.

The following prizes were awarded:

A Gold Medal, for the best Examination in Physiology, to Henry B. Shmookler, of Pennsylvania.
A Gold Medal, for the best Essay on a subject pertaining to Obstetrics, to John Baptiste Conway, of Pennsylvania.
A Gold Medal, for the best Essay on a subject pertaining to Chemistry, to undergraduate Edgar Harland Irvine, of Texas.
A Gold Medal, for the best Essay on a subject pertaining to Pathology, to William McKee Thome, of Missouri.
A Gold Medal, for the best Examination in Therapeutics, to William Forse Barr, of Pennsylvania.
A Gold Medal, for the best Essay on a subject pertaining to the Practice of Medicine, to George Cunningham, of New Jersey.
A Case of Instruments, given by Prof. Montgomery, for the best Notes on his Gynecological Clinic, to Charles Stewart Barnes, of Ohio, with Honorable Mention to Charles Henry Lefcowitch, of Pennsylvania.
A Gold Medal, for the best Examination in Ophthalmology, to William P. O. Thomsion, of Indiana.
A Gold Medal, for the best Examination in Ophthalmology, to Charles W. Le Fever, of Ohio.

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 Linn Emerson, of New York, with Honorable Mention to Elmer Ellsworth Brown, of Missouri.

The H. A. Hare Society Prize of Fifty Dollars, given by Prof. Hare, for the best Examination in Medicine, to Frank Herbert Taylor, of Pennsylvania.

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 Frank Herbert Taylor, of Pennsylvania.
The W. W. Keen Society Prize, given by P. Albert Moore, M.D., a Gold Medal, for the best Examination in Surgery on the part of a member of the Keen Society, to Charles Stewart Barnes, of Ohio.

A Prize of Twenty-five Dollars, for the best Examination on the Physiological Action of Drugs, by "a friend of the higher medical education," to George Cunningham, of New Jersey.

The Alumni Prize of a Medal, for the best General Average of Scholarship gained in the entire curriculum, to Charles Stewart Barnes, of Ohio.

A Prize of Fifty Dollars, for the best Report of the Clinical Lectures on Ophthalmology, by Prof. de Schweinitz, to W. A. Mitchell, of Washington.


A Prize of Twenty-five Dollars, for the best Report of the Clinical Lectures on Diseases of the Nervous System by Prof. Dercum, to Henry B. Shmookler, of Pennsylvania.

A Prize of Twenty-five Dollars, for the best Report of the Clinical Lectures on Obstetrics, by Prof. Davis, to Howard F. Pyfer, of Pennsylvania.


A Prize of Twenty-five Dollars, for the best Report of the Clinical Lectures on Obstetrics by Prof. Stielwagon, to George H. Boehmer, of Ohio, with Honorable Mention to Victor George Heiser, of Ohio.

A Prize of Seventy-five Dollars, awarded by the undergraduates, members of the Forbes Anatomical League, to the graduate who attains the highest percentage in the examinations of the entire curriculum, to Charles Stewart Barnes, of Ohio.

**HOSPITAL APPOINTMENTS.**

The following-named graduates of this year's class have received hospital appointments, as follows:

**Jefferson Medical College Hospital.**—Residents: Dr. Chas. S. Barnes, Dr. Byron Henry, Dr. Wm. Forse Barr, Dr. E. H. Wiggins, Dr. A. Mahon, Alternates: Dr. S. B. Hopkins, Dr. F. C. Kress, Dr. A. McKibben, Dr. W. F. McMillan, Dr. W. P. O. Thomason.

**Philadelphia Hospital.**—Dr. Chas. S. Barnes, Dr. N. D. Pontius, Dr. H. R. M. Landis.

**Pennsylvania Hospital.**—Dr. Francis T. Stewart, Dr. W. J. Roe.

**Samaritan Hospital, Philadelphia.**—Dr. W. P. O. Thomason.

**Philadelphia Dispensary.**—Dr. David J. Hetrick.

**Polyclinic Hospital, Philadelphia.**—Dr. Willis P. Haines, and Dr. Eb. W. Thomas, externe.

**German Hospital, Philadelphia.**—Dr. Victor Heiser.

**Jersey City Hospital, N. J.**—Dr. Joseph Rankin Swartzlander.

**Kings County Hospital, New York.**—Dr. Linn Emerson, Dr. J. D. Richards, Dr. J. J. Wagner.

**St. Mary's Hospital, Philadelphia.**—Dr. Jeremiah F. O'Rourke.

**St. Agnes' Hospital, Philadelphia.**—Dr. John A. McCormick.

**St. Luke's Hospital, South Bethlehem, Pa.**—Dr. C. K. Kistler.

**Wilkes-Barre Hospital, Wilkes-Barre, Pa.**—Dr. W. R. McAdam, Dr. E. K. Fee.

**Harrisburg Hospital, Harrisburg, Pa.**—Dr. Samuel N. Traver.

**Altoona Hospital, Altoona, Pa.**—Dr. Orr W. Shaffer.

**St. Joseph's Hospital, Lancaster, Pa.**—Dr. Edgar M. Clinger.

**Passaic Hospital, Passaic, N. J.**—Dr. Linn Emerson.

**St. Joseph's Hospital, Paterson, N. J.**—Dr. Linn Emerson.

**Robert Packer Hospital, Sayre, Pa.**—Dr. C. K. Kistler.

**Lackawanna Hospital, Scranton, Pa.**—Dr. Harry P. Rank.
MATRICULATES.
SESSION 1897-1898.

Students of the Fourth Year.

Apple, William Edson, Pa.
Barnes, William Mitchell, D. C.
Barrow, William Forse (M.D.), Pa.
Bashore, Simeon David (M.D.), Pa.
Bellows, Charles E., N. J.
Bennett, Samuel, N. I.
Boyle, Henry A., Ala.
Boyce, John Clinton, Pa.
Byer, Samuel S. (M.D.), Pa.
Brislin, James Edward, Pa.
Bryson, Howard Russell, Pa.
Byars, Caspar Ralph, Tex.
Camden, Rollo (M.D.), W. Va.
Carpenter, Eugene R., Mo.
Cooper, John Andrew, Pa.
Cranmer, Carl Bernard, Pa.
Crawford, Walter E., Miss.
Crissler, Julius, Miss.
Cunningham, Geo. (M.D.), N. J.
Currie, James Walker (M.D.), Ga.
Daniell, Anthony Wingrove (M.D.), Pa.
Davis, Edward Lowndes, Pa.
Davis, Frederick Whitney, Pa.
Dorsey, Rufus Thomas Jr., (B. S., M. D.), Ga.
Dougherty, James Christopher, Pa.
Dunn, Frederick V., N. J.
English, Charles Frederick, Cal.
Fischelis, Philipp, (M.D.), Pa.
Funk, Joseph, Pa.
Graham, Archibald Hunter, Jr., Pa.
Griffin, Thomas William (B. A.), Canada.

Haire, Edward Aloysius, Conn.
Harrington, Edwin Stevenson (M.D.), Pa.
Heller, James Herbert, Pa.
Henry, Byron D. (M.D.), Pa.
Hocker, Kendall James, Del.
Horn, Levi Anderson (M.D.), Pa.
Howe, Llewellyn Oscar, Pa.
Howell, Park, Ga.
Jacoby, Charles Wesley (A. B.), Ohio.
Jones, Wilfred Hunt, Cal.
Jordy, George Henry, Pa.
Kraft, John Charles, Pa.
Kress, Frederick Charles (M.D.), Pa.
Kriz, George Herbert, Wis.
Lamb, George Warrington, Pa.
Lanning, Benj. Howard, N. J.
MacIntosh, James William, Canada.
McClanahan, Rice Kemper, Va.
McConnell, Edward F. (M.D.), Cal.
McConnell, Walker W., (M.D.), Pa.
Mccormick, John Aloysius (M.D.), Pa.
McGhee, Saylor John, Pa.
McMaster, Gilbert Totten, Conn.
McMullen, Uriah Higginbotham, Pa.
Machette, Frank, Pa.
Matheny, Albert Ralston (B. S.), Pa.
Metzler, Victor Wade, Ohio.
Mintzer, Leon Hamlin Cookman, Pa.
Morales, Marcos Dello, Pa.
Morton, Rush Kesey, Pa.
Nipple, Henry Newton (M.A.), Pa.
Nolte, Harry Sebastian, Pa.

Students of the Third Year.

Abrahamson, Philip, Pa.
Bartholomew, Claude Lafayette, Pa.
Beggs, David B. (A. B.), Pa.
Bender, Asher Stephen, Pa.
Black, Henry Allen, N. J.
Bostock, Herbert Arthur, Pa.
Boyle, James Edward, Pa.
Brown, Allie Henry, Ore.
Cannon, William Tenney, Utah.
Carver, Harry Franklin (B. E.), Pa.
Cleveland, Frank Mortimer, N. Y.
Cochrane, Solomon Macy, Ind.
Crane, J. Wellington, N. J.
Crow, John Walker, Pa.
Donaldson, Louis DeHaven, Pa.
Duffield, Elias Mortimer, N. J.
Ellis, Peter Clarkson, Ky.
Farnham, Elmer John, Me.
Ferguson, George McIntire, Pa.
Gano, Fred'k Frelinghuysen, N. Y.
Grimes, Robert Bruce, Jr., Wyo.
Gross, Herbert Franklin, Pa.

Noyes, George Kasson, Wis.
O'Neill, Chrysostom A., Conn.
O'Rourke, Jeremiah Francis (M.D.), Conn.
Flodine, Frederick John, Wis.
Read, Alfred Hurst (M.D.), Pa.
Robison, John Isaac, Pa.
Saunders, Orris William, N. J.
Schuster, Bruno Lyonel (B. S.), Wis.
Shaffer, Orr Haleman (M. D.), Pa.
Sharp, Eugene Ballentine, Fla.
Shook, Joseph Henry, Pa.
Smith, Frederick Conrad, Pa.
Snell, Myron Webster (M.D.), Ill.

Snyder, Thomas (M. A., Ph. D., D. D.), Pa.
Stevens, Pliny Fenimore (A. B.), Me.
Stock, George Andrew, Pa.
Taylor, Arthur George, Mo.
Teller, Howard Jay, N. Y.
Thatcher, Harry Dean, N. J.
Thomas, J. B. (M. D.), Ohio.
Tracy, George Thomas, Pa.
Truitt, George W., Pa.
Wanner, Abram Kissinger, Pa.
Weaver, Andrew Albert, Mass.
Weaver, William Jackson, N. C.
Yusuf, Emin Ibrahim (B. A.), Syria.

Hacker, Oswald William, Pa.
Hearn, William Prettyman, Pa.
Helmsacker, William Frederick (Ph. G.), Pa.
Heron, Alexander Martin, N. J.
Irving, Edgar Harland, Tex.
Jackson, Charles Elsworth (Ph. G.), Ohio.
Joyer, Claudius Cameron, N. C.
Keating, William Patrick Stuart, Conn.
Keefer, Elmer Christian, Md.
Kennedy, Edwin Russel (Ph. G.), Ohio.
Kennedy, James William, Kan.
Kleberg, Felix (Ph. B.), Conn.
Lackey, William Nicholas, Tenn.
Lambert, Chas. Curtis, Nev.
Lau, Scott Wolford (Ph. G.), Pa.
Lee, Alvin Craig (B. S. D.), Pa.
Lewis, Estell Budd, Pa.
Locke, William Kolbert, Tenn.
Longfellow, Jacob Winslow, Me.
McCormick, John, . . . Miss.
McNair, William Righter
(Ph.G.), . . . Pa.
Mace, Henry Fancher, . . N. Y.
Merriweather, Tyler, . . . Ill.
Mintzer, George Seltzer, . . Pa.
Moore, George Cooper
(Ph.G.), . . . Del.

Nicholls, James Calvin
Nicholls, Robert Delmar
(B.S.), . . . Pa.
Nobles, Joseph Everett, . . N. C.

Oram, Joseph Hubbard, . . N. J.
Ostrander, William Alonzo
(Ph.G.), . . . Pa.
Packer, Elmer Benjamin
(A.B.), . . . Ill.
Pearce, Claude Melvin, . . Ore.
Perry, Samuel Wesley, . . Pa.
Pollock, Raymond, . . . N. C.
Post, Chas. Augustus H., . . Ill.

Reese, Lewis (Ph.G.), . . . Pa.
Ridpath, Robert Ferguson, . . Pa.
Royce, Charles Clifton, . . Pa.
Royer, Benjamin Franklin, . . Pa.
Rostow, Clarence, . . . Russia.

Seiple, Thomas Reese, . . . Pa.
Scull, James Ireland
(Ph.G.), . . N. J.
Shepard, Cass Marion
(A.B.), . . . Ohio.
Smith, Henry Stephen
(D.D.S.), . . . Tex.
Smith, Sydney James, . . . Tex.
Smith, Willard Eugene
(Ph.G.), . . . Del.
Snyder, George Guy, . . . Pa.
Spuance, James Harvey
(Ph.G.), . . . Del.

Tuers, George Edward, . . . N. J.
Van Sciver, John Elthan
L., . . N. J.

Weber Harry Friedman, . . . Ohio.
White, Frank Howard, . . . N. J.
Wimberley, Joseph Powell, . . . N. C.

Vynec, David Elias (B.A.), . . Syria.
Yeager, George Carpenter, . . . Pa.

Students of the Second Year.

Atkinson, Curtis (A.B.), . . Ind.
August, Maurice, . . . Pa.
Baer, Hermanus Ludwig
(Ph.G.), . . . Pa.
Banks, Philo Hamlin, . . . Pa.
Barr, Herbert Everard, . . . Pa.
Beach, Oliver Jarvis, . . . Conn.
Bitterman, Theodore, . . N. J.
Blayney, Charles Alva, . . . Pa.
Bleakney, Frank (A.B.), . . Pa.
Bruce, Robert W. (A.B.), . . N. J.
Brechlin, Louis, Jr., . . . Idaho.
Brown, Alexander Aaron, . . Tex.
Brown, Harrison J., . . . Ind.

Cadwalader, Seth Iredell, . . . Pa.
Cecil, Edgar Thomas, . . . Ky.
Chamberlain, Lowell Hollbrook, . . . Iowa.

Cooper, Randolph, . . . Pa.

Davies, Lewis Edward, . . . Pa.
Dean, Alexander Heustis, . . . Pa.

Edmonds, William, . . . N. Y.
Ellis, Aller G. (B.S.), . . . Pa.

Fletcher, Robert Swan, . . . Mass.
Fulton, David Martin, . . . Pa.
Funkhouser, Edgar Bright
(B.S.), . . . Va.

Gilmour, Thomas Joseph, . . . Pa.
Gordon, George Jacob, . . Minn.
Gronk, John, . . . N. Y.
Gulick, Arthur Cornelius (A.B.), . . Wis.

Haas, Oscar Charles (A.B.), . . Ind.
Hale, Willis Le Baron, . . . Mass.
Harman, William James, . . . Pa.
Hatfield, George Laughead, . . Pa.
Hammond, Luther, Jr., . . W. Va.

Heysham, Horace Besson
(Ph.G.), . . . Pa.
Hedley, James Reger, . . . Pa.
Hiley, George, . . N. J.

Jimenez, Luis Paulino

Keeney, Madison J., . . . Ind.
Kennedy, Joseph F., . . . Pa.
Kieffer, George Christophor, . . . Pa.

Lorentz, Frederick Lahr, . . Germany.

McCoy, Robert Burns (A.M.), . . Canada.
McKerrum, Angus, . . . Canada.
Mayhew, Samuel Dixon, . . N. J.
Meyers, Elmer Llewellyn
Morris, William Francis, . . . Ind.

Murphy, Florence John, . . Mass.

Nutter, Harry Manlove, . . . Del.

Parkin, Edwin Harris, . . . Pa.
Patterson, Edgar Holl, . . . Pa.
Payne, Frank Irvin, . . . Conn.
Powell, Oscar Littleton, . . . Pa.
Pratt, John Perkins, . . . Ohio.

Ramsey, Clarence Scott (A.B.), . . Ohio.
Reddan, Martin William, . . N. J.
Reitz, James Jefferson
Ridpath, Paul Cole, . . Wash.
Richardson, Harry T., . . . Pa.
Ritter, Frederic William
(Ph.G.), . . . Pa.
Robinson, Silas Edwin, . . N. J.
Rogers, Herbert Kinsman, . . N. J.

Sage, Thomas (Pt.G.), . . N. Y.
Santee, Charles La Motte, . . Pa.
Schall, David Horace, Jr., . . Pa.
Small, Thomas Winn, . . . Me.
Spotts, Albert (Ph.G.), . . . Pa.
Stors, Eckley Raynor
(D.V.S.), . . Conn.
Street, Thomas Hezla, . . Ala.
Sweeney, James Jerome, . . . Pa.

Taylor, Mervyn Ross, . . . Canada.

Wanner, Charles Albright, . . . Pa.
White, Thomas Charles, Jr., . . Miss.
Wick, Victor Vernon (B.S.), . . Ohio.
Williams, George Richards, . . Pa.
### Students of the First Year.

<table>
<thead>
<tr>
<th>Name</th>
<th>State</th>
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<tbody>
<tr>
<td>Altman, Owen Randolph</td>
<td>Pa.</td>
</tr>
<tr>
<td>Angle, George Burton</td>
<td>Tex.</td>
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<tr>
<td>Bittner, Henry Edward</td>
<td>Pa.</td>
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<tr>
<td>Bland, Pascal Brooke</td>
<td>Pa.</td>
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<td>Bossard, Harry Bardwell</td>
<td>Pa.</td>
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<tr>
<td>Burke, Walter Francis</td>
<td>Mass.</td>
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<td>Cartin, Harry James</td>
<td>Pa.</td>
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<td>Chamberlin, John Leavitt</td>
<td>N. J.</td>
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<td>Chirinos, Frederico Celso</td>
<td>Caracas</td>
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<tr>
<td>Conrey, Thomas Jackson</td>
<td>Md.</td>
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<td>Cooper, Frank</td>
<td>Pa.</td>
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<td>Cooper, Herbert</td>
<td>Mass.</td>
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### Special Students.

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ALUMNI ASSOCIATION OF
THE JEFFERSON MEDICAL COLLEGE
OF PHILADELPHIA.

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.

Ofi cers for the ensuing year:
President.—William H. Warder, Philadelphia, Pa.

Corresponding Secretary.—Thos. G. Ashton, 1533 Pine Street, Phila., Pa.
Recording Secretary.—Wilmer Krusen, 158 N. 20th St., Phila., Pa.
Treasurer.—E. L. Vansant, 1929 Chestnut Street, Phila., Pa.
Chairman of Executive Committee.—Hobart A. Hare, 222 S. 15th Street, Phila., Pa.

There will be four clinical meetings during the year. The annual business meeting will be held on the third Saturday in January.

Graduates 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.

Students of the fourth year, 94
Students of the third year, 89
Students of the second year, 112
Students of the first year, 96
Special Students, 62
Total, 453

Summary.

Recapitulation.

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