Sixty-Eighth Annual Announcement of the Jefferson Medical College of Philadelphia: Session of 1892-93

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SIXTY-EIGHTH

ANNUAL ANNOUNCEMENT

OF THE

Jefferson Medical College

OF

PHILADELPHIA.

SESSION OF 1892-93.
ANNUAL ANNOUNCEMENT

OF THE

JEFFERSON MEDICAL COLLEGE

OF

PHILADELPHIA.

SESSION OF 1892-93.

WM. S. LEFFMAN, Clerk.
At the College Building,
Tenth St., bet. Walnut and Chestnut, Phila.

J. W. HOLLAND, M. D.,
Dean of the Faculty.

SIXTY-EIGHTH

GALILEO.

1,492.

September 26th, REGISTRATION BOOK OPENED.
September 26th, PRELIMINARY LECTURES BEGIN.
Sept. 27th and Oct. 4th, ENTRANCE EXAMINATION 11 A.M.
October 3d, REGULAR SESSION BEGINS.
INTRODUCTORY LECTURE 8 P.M.
October 6th and 15th, ENTRANCE AND GRADING EXAMINATIONS 11 A.M.
November 24th, THANKSGIVING DAY.
December 23d, CHRISTMAS RECESS BEGINS 6 P.M.

CHRISTMAS RECESS.

January 3d, COLLEGE WORK RESUMED 9 A.M.
February 22d, WASHINGTON'S BIRTHDAY.
April 13th, FINAL EXAMINATIONS BEGIN.
May 1st, ALUMNI ASSOCIATION MEETS 12 M.
ANNUAL DINNER.
May 2d, ANNUAL COMMENCEMENT.
May 8th, SPRING SESSION BEGINS.
June 3d, SPRING SESSION ENDS.

1892.

1893.
BOARD OF TRUSTEES.

Hon. Joseph Allison, LL.D., President.
George W. Fairman, Secretary.
Edward H. Weil, Treasurer.

Hon. Joseph Allison, LL.D.,
Hon. Furman Sheppard,
Joseph B. Townsend,
Simon Gratz,
Edward H. Weil,
Hon. Michael Arnold,
Henry D. Welsh,
Hon. Edwin H. Fitler,
Sutherland M. Prevost,
George D. McCready,
Thomas B. Wanamaker,
Edward de V. Morrell,
Luther S. Bent.

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.
Henry C. Chapman, M.D., Professor of Institutes of Medicine and Medical Jurisprudence, No. 1214 Walnut Street.
John H. Brinton, M.D., Professor of Practice of Surgery and Clinical Surgery, No. 1423 Spruce Street.
Theophilus Parvin, M.D., LL.D., Professor of Obstetrics and Diseases of Women and Children, No. 1636 Spruce Street.
James W. Holland, M.D., Professor of Medical Chemistry and Toxicology, and Dean, No. 2006 Chestnut Street.
William S. Forbes, M.D., Professor of General, Descriptive, and Surgical Anatomy, No. 1704 Walnut Street.
William W. Keen, M.D., Professor of Principles of Surgery and Clinical Surgery, No. 1729 Chestnut Street.
Morris Longstreth, M.D., Professor of General Pathology and Pathological Anatomy, No. 1416 Spruce Street.
H. A. Hare, M.D., Professor of Therapeutics, Materia Medica, and Hygiene, 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 Clinical Gynecology, No. 1818 Arch Street.

Honorary and Clinical Professors.
William Thomson, M.D., Honorary Professor of Ophthalmology, No. 1426 Walnut Street.
J. Solis Cohen, M.D., Honorary Professor of Laryngology, No. 1431 Walnut Street.
Henry W. Stelwagon, M.D., Clinical Professor of Dermatology, No. 233 South 17th Street.
H. Augustus Wilson, M.D., Clinical Professor of Orthopedic Surgery, No. 1611 Spruce Street.
E. E. Graham, M.D., Clinical Professor of Diseases of Children, No. 1502 Spruce Street.

* Professor Da Costa will continue to hold his clinical lectures as heretofore.
PROFESSORS.

F. X. DERCUM, M.D., Clinical Professor of Diseases of the Nervous System, No. 810 North Broad Street.

W. L. COPLIN, M.D., Adjunct Professor of Hygiene, No. 310 Catherine Street.

LECTURERS.

W. JOSEPH HEARN, M.D., Clinical Lecturer on Surgery.

EDWARD P. DAVIS, M.D., Clinical Lecturer on Obstetrics and Gynecology.

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

DAVID D. STEWART, M.D., Lecturer on Clinical Medicine.

E. L. VANSANT, M.D., Lecturer on Clinical Medicine.

JULIUS SALINGER, M.D., Lecturer on Renal Diseases.

HOWARD F. HANSELL, M.D., Lecturer on Ophthalmology.

DEMONSTRATORS.

ALBERT P. BRUBAKER, M.D., Demonstrator of Physiology.

LAWRENCE WOLFF, M.D., Demonstrator of Chemistry.

EDWARD P. DAVIS, M.D., Demonstrator of Obstetrics and Clinical Obstetrics.

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

ORVILLE HORWITZ, M.D., Demonstrator of Surgery.

E. L. VANSANT, M.D., Demonstrator of Normal Histology.

FRANK E. STEWART, Ph.G., M.D., Demonstrator of Pharmacy and Materia Medica.

E. Q. THORNTON, M.D., Demonstrator of Therapeutics.

W. M. LATE COPLIN, M.D., Demonstrator of Pathological Anatomy and Curator of the Museum.

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

INSTRUCTORS AND ASSISTANT DEMONSTRATORS.

J. M. FISHER, M.D., Instructor in Gynecology.

LOUIS JURIST, M.D., Instructor in Laryngology.

S. MACCUEN SMITH, M.D., Instructor in Otology.

J. CHALMERS DA COSTA, M.D., Instructor in Surgery.

ADDINELL HEWSON, M.D., Instructor in Surgery.

J. ABBOTT CANTRELL, M.D., Instructor in Dermatology.

J. P. MANN, M.D., Instructor in Orthopedic Surgery.

M. H. WILLIAMS, M.D., Instructor in Urinary Microscopy.

D. BEVAN, M.D., Instructor in Microscopic Examination of the Sputum.

D. B. KYLE, M.D., Instructor of Examination of the Blood.

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

INSTRUCTORS.

J. W. WEST, M.D., Assistant Demonstrator of Obstetrics and Clinical Obstetrics.

M. H. WILLIAMS, M.D., Assistant Demonstrator of Pathology.

D. B. KYLE, M.D., Assistant Demonstrator of Pathology.

JOHN S. MILLER, M.D., Assistant Demonstrator of Anatomy.

GEO. H. MAKUEN, M.D., Assistant Demonstrator of Anatomy.

BAYARD MURRAY, M.D., Assistant Demonstrator of Anatomy.

FRANK L. SOUTHRN, M.D., Assistant Demonstrator of Anatomy.

W. H. WELLS, M.D., Assistant Demonstrator of Anatomy.

JOHN LINDSAY, M.D., Assistant Demonstrator of Anatomy.

HOWARD R. SWAYNE, M.D., Assistant Demonstrator of Histology.

A. A. ESHNER, M.D., Assistant Demonstrator of Histology.

A. E. BATE, M.D., Assistant Demonstrator of Chemistry.

J. P. BOLTON, M.D., Assistant Demonstrator of Chemistry.

SAMUEL JOHNSON, Jr., Assistant Demonstrator of Chemistry.

DAVID BEVAN, M.D., Assistant Demonstrator of Hygiene.

J. C. NEWGARDEN, M.D., Assistant Demonstrator of Surgery.

M. F. VAN BUREN, M.D., Assistant Demonstrator of Surgery.

W. L. PEPPER, M.D., Assistant Demonstrator of Surgery.

C. A. VEASEY, M.D., Assistant Demonstrator of Surgery.

GEORGE W. SPENCER, M.D., Assistant Demonstrator of Surgery.
Hospital of the Jefferson Medical College of Philadelphia.

FACULTY STAFF.

JOHN H. BRINTON, M.D., Professor of Practice of Surgery and Clinical Surgery.
THEOPHILUS PARVIN, M.D., LL.D., Professor of Obstetrics and Diseases of Women and Children.
WILLIAM S. FORBES, M.D., Professor of General, Descriptive, and Surgical Anatomy.
WILLIAM W. KEEN, M.D., LL.D., Professor of Principles of Surgery and Clinical Surgery.
H. A. HARE, M.D., Professor of Therapeutics, Materia Medica, and Hygiene.
JAMES C. WILSON, M.D., Professor of Practice of Medicine and Clinical Medicine.
E. E. MONTGOMERY, M.D., Professor of Clinical Gynecology.

HOSPITAL STAFF.

W. JOSEPH HEARN, M.D., Surgeons.
J. M. BARTON, M.D.,
OLIVER P. REX, M.D., Physicians.
CHARLES WHIGMAN, M.D.,
PROF. WILLIAM THOMSON, M.D., Ophthalmic Surgeon.
PROF. AUGUSTUS WILSON, M.D., Orthopedic Surgeon.
J. EWING MARES, M.D., Gynecologists.
JOHN C. DA COSTA, M.D.,
LAURENCE TURNBULL, M.D., Aural Surgeon.
PROF. MORRIS LONGSTRETCH, M.D., Pathologist.
HENRY LEFFMANN, M.D., Pathological Chemist.

RESIDENT PHYSICIANS.

(Year of 1892)

J. H. ARNOLD, M.D., C. E. HANNAN, M.D., HOWARD DEHONEY, M.D., STRICKER COLES, M.D., J. R. RUGH, M.D.

SUBSTITUTES.

G. W. SPENCER, M.D., C. A. WEAVER, M.D.,
H. T. ATKINSON, M.D., FREDERICK DUNNING, M.D., JOSEPH H. BREWSTER, M.D.

Dispensary Service.

Hospital Dispensary Staff.

MEDICAL.

AUGUSTUS A. ESHNER, M.D., Chief Clinical Assistant.
H. D. HAZZARD, M. D., Registrar.
CHARLES S. HEARN, M.D.,
T. J. BOWES, M.D.,
JOHN McLERNAN, M.D.,
JOSEPH P. BOLTON, M.D.,
ARTHUR E. BATE, M.D.,
GEORGE HENRY WEST, M.D.,
THOMAS E. JONES, M.D.,

Clinical Assistants.

SURGICAL.

ORVILLE HORWITZ, M.D., Chief Clinical Assistants.
A. HEWSON, M.D.,
MARTIN H. WILLIAMS, M.D., Etherizer.
D. W. FLEMING, M.D., Etherizer.
BENJAMIN VANSANT, M.D., Surgical Registrar.
J. CHALMERS DA COSTA, M.D.,
HENRY KNOX, M.D.,
IRVIN E. BENNETT, M.D.,
RUDOLPH KINDIG, M.D.,
W. A. VANNEMAN, M.D.,
JOHN MOFFETT, M.D.,
E. W. TULLY, M.D.,
J. A. STEINWANDEL, M.D.,
W. H. WELLS, M.D.,
GEORGE W. SPENCER, M.D.,

Clinical Assistants.

OBSTETRICAL.

E. P. DAVIS, M.D., Chief Clinical Assistant.

GYNECOLOGICAL.

JOHN M. FISHER, M.D., Chief Clinical Assistant.
WILLIAM H. WELLS, M.D.,
JAMES WEIR ROBINSON, M.D.,
JAMES A. IRWIN, M.D.,
OSCAR SPRISSLER, M.D.,
ALONZO H. STEWART, M.D.,
GEORGE D. BLOMER, JR., M.D.,
A. H. LIPPINCOTT, M.D.,
CHARLES D. SPIVAK, M.D.,

Clinical Assistants.
OPHTHALMOLOGICAL.

HOWARD F. HANSELL, M.D., Chief Clinical Assistant.
THOMAS O. NOCK, M.D.,
JAS. H. BELL, M.D.,
W. R. POWELL, M.D.,
R. CASPERSON, M.D.,
ROSS R. BUNTING, M.D.,
CARL WIELAND, M.D.,

Clinical Assistants.

THOMAS 0. NOCK, M.D.,
JAS. H. BELL, M.D.,
W. R. POWELL, M.D.,
R. CASPERSON, M.D.,
ROSS R. BUNTING, M.D.,
CARL WIELAND, M.D.,

LARYNGOLOGICAL.

LOUIS JURIST, M.D., Chief Clinical Assistant.
W. S. JONES, M.D.,
G. H. MAKUEN, M.D.,
JAMES THORINGTON, M.D.,
G. B. TULLIDGE, M.D.,

Clinical Assistants.

W. S. JONES, M.D.,
G. H. MAKUEN, M.D.,
JAMES THORINGTON, M.D.,
G. B. TULLIDGE, M.D.,

OTOGOLOGICAL.

S. MACCUEN SMITH, M.D., Chief Clinical Assistant.
W. R. POWELL, M.D.,

Clinical Assistants.

W. R. POWELL, M.D.,

ORTHOPEDICAL.

J. P. MANN, M.D., Chief Clinical Assistant.
T. W. BORTREE, M.D.,
ROBERT CASPERSON, M.D.,
JESSE E. HARPEL, M.D.,
J. F. E. COLGAN, M.D.,
A. GUSTAF GEFFVERT, Mechanician,
B. KIRSCHBAUM, Masseur,

CLINICAL ASSISTANTS.

S. MACCUEN SMITH, M.D., Chief Clinical Assistant.
W. R. POWELL, M.D.,

S. MACCUEN SMITH, M.D., Chief Clinical Assistant.
W. R. POWELL, M.D.,

W. R. POWELL, M.D., Clinical Assistant.

NURSE.

S. MACCUEN SMITH, M.D.,
W. R. POWELL, M.D.,

DISEASES OF CHILDREN.

C. F. PETTIBONE, M.D., Chief Clinical Assistant.
J. EDWARD MOORE, M.D.,
BAYARD MURRAY, M.D.,
LUDWIG LOEB, M.D.,

Clinical Assistants.

C. F. PETTIBONE, M.D.,
J. EDWARD MOORE, M.D.,
BAYARD MURRAY, M.D.,
LUDWIG LOEB, M.D.,

DERMATOLOGICAL.

J. ABBOTT CANTRELL, M.D., Chief Clinical Assistant.
HENRY R. NIGHTINGALE, M.D.,
JOHN LINDSAY, M.D.,

Clinical Assistants.

J. ABBOTT CANTRELL, M.D.,
HENRY R. NIGHTINGALE, M.D.,
JOHN LINDSAY, M.D.,

RENAI DISEASES.

W. R. WILSON, M.D., Clinical Assistant.

W. R. WILSON, M.D.,

NEUROLOGICAL.

MAX BOCHROCH, M.D.,
H. J. DEAN, M.D.,

Clinical Assistants.

MAX BOCHROCH, M.D.,
H. J. DEAN, M.D.,

SIXTY-EIGHTH ANNUAL ANNOUNCEMENT
OF THE
JEFFERSON MEDICAL COLLEGE.

THE COLLEGE BUILDINGS.

The College buildings are situated on Tenth Street between Chestnut and Walnut, and on Sansom Street between Tenth and Eleventh, and consist of the Medical Hall, the Laboratory Building, and the Jefferson Medical College Hospital.

The Medical Hall, which is the original College building, contains two spacious and well-arranged lecture rooms. In respect to seating capacity, acoustic properties, light, and ventilation these rooms are admirably suited to their purpose. The seats are numbered, and are assigned in the order of matriculation.

The building contains, also, a very large and well-ventilated Dissecting Room, provided with ample light, water, and all other conveniences for the study of Practical Anatomy, and the Laboratories of Pharmacy and Experimental Therapeutics, of Obstetrics and Gynecology, and of Pathological Histology and Anatomy, are commodious, brilliantly lighted, and completely equipped with the appliances required for work in these departments of medical science.

A commodious Reading Room has been fitted up and is furnished with a line of the principal medical journals for the use of students.

The building has been fitted with Edison electric lamps, thereby obviating the vitiation of air by illuminating gas, and affording a brilliant light best suited for demonstrations.

The Museum.—Founded more than half a century ago, the Museum has grown with the College, and has annually increased in the number and variety of its specimens illustrating the Normal and Morbid Anatomy of every part of the human body.

This Museum contains the extensive and valuable collection of the late Prof. S. D. Gross, M.D., which was formed by him during his long career in surgical practice, and which is especially rich in specimens of urinary calculus, diseases and injuries of the bones and joints, affections of the genito-urinary organs, and morbid growths.
The Museum occupies a distinct and capacious apartment in the College building, and is open daily, throughout the Session, to Matriculated Students.

The Laboratory Building is immediately adjacent to the Medical Hall, with which it is connected by a wide hallway. This building contains the Laboratories of Chemistry, of Physiology and Normal Histology, and of Operative and Minor Surgery, the Dean's Office, and Faculty Room. The laboratories are capacious, well lighted, and completely arranged for the purposes to which they are applied.

The Hospital of the Jefferson Medical College is situated immediately west of the College, fronting on Sansom Street, and is bounded on three sides by streets, and by a wide private passage way on the fourth side. It is 107 feet square, five stories in height, and is designed for the easy accommodation of 125 patients. In connection with the Hospital is the out-patient or dispensary department of the College, which furnishes valuable material for clinical instruction. During the session of 1891-92 over 300 patients were daily treated by this service. The Amphitheatre for Clinical Lectures is one of the largest and most convenient in the United States. The most approved appliances for heating and ventilating have been provided, and, in architectural construction and all desirable conveniences, the Hospital will be found equal to any American clinical hospital.

NEW BUILDINGS.

Three large buildings, a hospital for 150 patients, a lecture hall and amphitheatre, and a building for various laboratories, will be well under way before the close of the year. They will embody the latest ideas as to comfort, convenience, and safety. It is the intention of the trustees to spare no expense or pains to make these buildings fulfill every requirement of advanced medical instruction.

HOSPITALS AND DISPENSARIES.

COLLEGE HOSPITAL.

The Jefferson Medical College Hospital and the Dispensaries, where a large number and great variety of cases are annually treated, furnish patients for daily Clinics at the Hospital, which are given throughout the entire year, by members of the Faculty, by clinical and honorary Professors, and by the Hospital Staff. The Surgical Clinic is held by Professors Brinton, Forbes, and Keen; the Medical Clinic, on Mondays and Thursdays, by Professors Da Costa, Hare, and
JURIST, the Chief Clinical Assistant in this department. Practical lessons in the use of instruments for examining and treating ear diseases are given by Dr. S. MacCuen Smith. An electrical room, containing the necessary apparatus for instruction and for clinical purposes, will be regularly utilized.

The Pennsylvania Hospital, a large and well-equipped institution, is situated in the immediate vicinity of the College. The field for instruction in acute diseases and surgical injuries is very large, and the staff is composed of physicians and surgeons eminent in their respective departments. The students of Jefferson College, by reason of the proximity of the Hospital to the College, and its immense resources for the illustration of all forms of diseases and accidents, have peculiar advantages. Professor Da Costa and Professor Longstreh are members of the staff.

Philadelphia Hospital.—This extensive Hospital of 1300 beds presents a large number and variety of cases for clinical instruction. The College is represented on the hospital staff by Professors Parvin, Montgomery, and Stelwagon, and by Drs. Davis, Horowitz, Van sant, Hearn, Solis-Cohen, Gould, Deecum, Cantrell, and Barton. The graduating class, divided into sections of suitable size, will study at the bedside. Out of the thirteen hundred cases in the wards nearly every form of disease, medical and surgical, can be amply illustrated. Cases of smallpox and of other contagious diseases are treated at the Municipal Hospital, a separate and distinct institution.

St. Agnes' Hospital.—In November, December, and January Professor Hare, and in May, June, and July Professor Keen, will hold a clinic at St. Agnes' Hospital, 1900 South Broad Street, where there are many important operations done, to which the students will be admitted.

St. Joseph's Hospital.—Professor Montgomery is Gynaecologist to this Hospital, and the classes will have the benefit of his practice there.

German Hospital.—The staff of this important Hospital have now made arrangements for conducting clinical teaching, in which the resources of this excellent institution are utilized to the fullest extent. Professor Wilson and Dr. Wolff are members of the staff, and will use the clinics for the benefit of their classes. A clinical amphitheatre, with ample seating capacity, has been recently erected.

Orthopedic Hospital and Infirmary for Nervous Diseases.—Professor Keen, as a member of the staff, will be able to utilize the material for the illustration of his clinical lectures.

Wills Eye Hospital.—This well-known and extensive Hospital is within a short distance of the College, and daily clinics are held there. Students desiring to take private courses have the opportunity afforded them, and can obtain instruction from members of the staff or from the clinical chiefs.

In all, Philadelphia has twenty hospitals, nine dispensaries, and thirty-eight 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, or any of the recognized specialties, have, therefore, admirable opportunities afforded them in these various hospitals and other public medical institutions.

Clinical instruction and admission to the wards in all hospitals of Philadelphia are free to the Matriculates of the Jefferson Medical College.

COURSE OF STUDY.

The regular course is a graded three-years' curriculum at college, no allowance being made for home studies.

The Faculty strongly recommend a fourth year, but this is voluntary.

First Year.

The studies of the first year will be as follows:—
Anatomy and Histology, Physiology, Inorganic Chemistry and Toxicology, Materia Medica and Pharmacy, Hygiene, and Bandaging, with laboratory work in each branch, dissection, and attendance on the general clinics. At the end of this year partial examinations will be held in Anatomy (Osteology, Syndesmology, and Myology) and Physiology, and final examinations in Inorganic Chemistry and Materia Medica and Hygiene.

Students failing in any examination at the end of this year will be required to pass in such branch before the fifteenth of the following October. Students failing in all the examinations at the end of this year will be required to take the first year's course once more.

Second Year.

The studies of the second year will be as follows:—
Anatomy and Topographical Anatomy, Physiology and Medical Jurisprudence, Organic Chemistry and Urinary Analysis, Therapeutics, Pathological Anatomy, Practice of Medicine and Clinical Medicine, Physical Diagnosis, Clinical Microscopy, Surgery and Clinical Surgery, Obstetrics
and Clinical Obstetrics. At the end of this year final examinations will be held on Anatomy and Histology, Physiology and Medical Jurisprudence, Organic Chemistry, Urinary Analysis, and Physical Diagnosis.

Students failing in any examination at the end of this year will be required to pass in such branch before the fifteenth of the following October. Students failing in all the examinations at the end of this year will be required to take the second year's course once more.

THIRD YEAR.

The studies of the third year will be as follows:

Practice of Medicine and Clinical Medicine, Surgery and Clinical Surgery, Obstetrics and Clinical Obstetrics and Gynecology, Therapeutics, General Pathology and Pathological Anatomy, with laboratory work and ward classes in the practical branches and clinics in Ophthalmology, Laryngology, Otology, Orthopedics, Pediatrics, Dermatology, Neurology, and Electro-Therapeutics. At the end of this year there will be a final examination on Practice of Medicine, Surgery, Obstetrics and Gynecology, Therapeutics and Pathology.

VOLUNTARY FOURTH YEAR.

The fourth year is open to graduates and those who wish to take a fourth year of study; it is not required of those who merely wish to be eligible for the degree. In addition to the studies of the third year, all of which are open to those students taking the fourth year, the following advanced courses are offered:

MEDICINE.—Practical Bedside Instruction with Professor Hare, at the St. Agnes Hospital, during November, December, and January; with Professor Wilson, at the German Hospital, during February, March, and April; with Dr. Wolff, at the German Hospital, during May, June, and July. Instruction in Laryngology is also given at the Howard Hospital by Dr. Vansant, and in Diseases of Children by Dr. E. P. Davis. At St. Christopher's Hospital for Children instruction will be given by Dr. D. D. Stewart, and at the Children's Hospital by Professor Hare.

SURGERY.—Practical Bedside and Operative Instruction is given at the Orthopedic Hospital, at the St. Agnes Hospital by Professor Keen, at the Philadelphia Hospital by Dr. Hearn and Dr. Horwitz, and by Dr. Hewson at the Episcopal Hospital.

GYNECOLOGY.—Ample opportunities are afforded those desiring special courses in Gynecology by Professor Montgomery at the Philadelphia Hospital and at St. Joseph's Hospital.

DERMATOLOGY.—Professor Steilwagon will give advanced instruction in Dermatology at the Philadelphia Hospital and at the Northern Dispensary, and Dr. Cantrell at St. Agnes Hospital and the Philadelphia Hospital.

OBSTETRICS.—Professor Parvin and Dr. Davis will give instruction in the obstetrical wards of the Philadelphia Hospital.

NEUROLOGY.—Professor Dercum will instruct fourth-year students in Neurology at the Philadelphia Hospital.

OPHTHALMOLOGY.—Dr. Hansell will give instruction at the southwestern Hospital and Dispensary in this branch.

PATHOLOGY.—Morbid Anatomy and Pathology is taught by post-mortems, and a complete course is given at the Philadelphia Hospital.

In addition to these courses there are a number of private courses given in all the branches named without charge or for a small fee.

Gentlemen can arrange to take special instruction at the Polyclinic Hospital, to which are attached Professor H. A. Wilson, Dr. E. P. Davis, Dr. S. Solis Cohen, Dr. J. A. Cantrell, and Professor W. M. L. Coplin.

ORDER OF LECTURES AND PRACTICAL INSTRUCTION.

FIRST YEAR.
### SECOND YEAR.

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<th>HOUR</th>
<th>MONDAY</th>
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<td>Laboratory of Physiology.</td>
<td>Laboratory of Physiology.</td>
<td>Medical Jurisprudence and Physiology.</td>
<td>Medical Clinic.</td>
<td>Eye Clinic or Physiological Examinations.</td>
<td>Surg. Clinic, Jefferson Hospital, at 12.30.</td>
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<tr>
<td>12</td>
<td>12 Laboratory of Physiology.</td>
<td>12 Laboratory of Physiology.</td>
<td>Surgical Clinic, Jefferson Hospital, at 12.30.</td>
<td>Medical Clinic.</td>
<td>Eye Clinic or Physiological Examinations.</td>
<td>Surg. Clinic, Jefferson Hospital, at 12.30.</td>
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<td>1 Medical Clinic.</td>
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### THIRD YEAR.

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**Preliminary Lectures.**

The **Fall or Preliminary Session** begins on Monday, the 26th of September, and continues until the opening of the Winter Term.

**Winter Session.**

The next session will begin with the General Introductory Lecture by Professor Hare, on Monday evening, October 3d, 1892, and will terminate May 2d, 1893. During this period instruction in the various branches of Medicine will be given by the Faculty, assisted by a large corps of demonstrators, according to the roster.

In addition to the General Clinics there will be given Clinical Instruction on the following special branches:

- Gynecology
- Ophthalmology
- Renal Diseases
- Laryngology and Rhinology
- Orthopedic Surgery
- Diseases of Children
- Dermatology
- Neurology
- Otology

In the Didactic Lectures the rich cabinets of the school and of the individual professors are freely used for the purpose of illustration. As it is well known, the lectures of this Faculty have always been eminently demonstrative, and this characteristic will continue to be a prominent and distinctive feature.

**The Didactic Lectures.**

It will be perceived, from the above, that the course of instruction continues through eight months of the year. The important part of the period of study is, of course, the Winter Session of seven months, and this alone is obligatory. As the fees paid for the Spring Session are remitted to those taking the ensuing winter course, except the registration fee of five dollars, and as the preliminary or fall term is free, the fees paid for the regular term cover almost the whole cost of instruction for eight months.

**The Clinical Lectures.**

Clinical instruction has always been an important feature of this College, in which, indeed, systematic clinical methods were first inaugurated in this country. The amphitheatre of the Hospital is one of the most commodious in the world, the material of the Clinics is most abundant, and represents almost every possible condition of disease and injury. According to the last annual report made to the State Board of Charities, the Hospital, during the fourteen years it has been in operation, has treated in its wards 17,359 cases of disease of all kinds, except those either contagious or infectious.
In the *out-patient* service there have been treated in that time for:—

- Surgical Diseases, 41,336 patients.
- Medical Diseases, 37,211 patients.
- Gynecological Diseases, 10,604 patients.
- Laryngological Diseases, 9,559 patients.
- Ophthalmological Diseases, 15,610 patients.
- Antral Diseases, 5,367 patients.

Making in all 119,677 patients treated in thirteen years. The examinations and prescriptions given to these patients amount to 547,142. Over 8100 operations have been performed before the class.

During the last year 1012 accident cases were treated; the number of patients cared for in the wards was 1319, and in the out-patient service 14,982 were treated. Since the opening of the Hospital in 1877, the Board of Trustees have expended $666,998 in the care of the sick and injured. Besides the immense facilities of the clinics at the College Hospital, students can attend at the various hospitals and dispensaries before mentioned, the lectures being so arranged as to afford them the opportunity to do so.

The teaching corps of the College are connected with hospitals in the city, having in the aggregate over 2000 beds, which will be available for its students.

**PRACTICAL AND LABORATORY INSTRUCTION.**

The courses of Practical and Laboratory instruction are *obligatory*, and without extra charge, except for material used in the dissecting and operative surgery room. Candidates for *partial examination* will be required to attend those branches on which they desire to be examined at the end of the session. Students who are graduates of other schools and who do not propose to take the degree are *permitted* to attend these courses, if they so desire.

**THE LABORATORY OF PRACTICAL AND MANIPULATIVE OBSTETRICS.**

The Demonstrator of Obstetrics, under the supervision of the Professor, will train the students in each section in the various manipulations, by hand and instrument, necessary for the investigation and local treatment of the disorders of the productive system which obtain chiefly in the non-pregnant state. 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 resorted to as they may be required.

**OPERATIVE GYNECOLOGY.**

Third-year students will be taught the different surgical operations upon the female sexual organs, these organs after removal from the cadaver being fastened to Schultze's obstetric model, the method being that which was originated by Professor Winckel of Munich, and which he has employed very satisfactorily for some years.

**CLINICAL GYNECOLOGY.**

Professor Montgomery will hold a gynecological clinic at the Jefferson College Hospital and give practical instruction in gynecology at the bedside. At the Philadelphia Hospital instruction will also be given at the bedside.

**CLINICAL OBSTETRICS.**

In the Maternity Ward of the Hospital classes are instructed in the signs of pregnancy, diagnosis of presentations and positions, and the management of the pregnant and the puerperal states. In the out-patient department, patients are attended at their homes by students of the graduating class under the direct supervision of the Demonstrator. During the Winter Session a large number of pregnant women were registered, and every graduate had the opportunity of attending cases of labor.

**CLINICAL MEDICINE.**

Professor Da Costa holds the medical clinic for three months.

Bedside instruction in clinical medicine is given under the supervision of Professors Hare and Wilson at the Hospital. The course is illustrated by the ample material of the daily clinic. Each student is thus made familiar with practical medicine. Facilities are also afforded for practical instruction in Clinical Medicine and Physical Diagnosis at the College Hospital. Sections of the class will, at hours set apart for the purpose, be taught by special instructors, under the general supervision of the Professor of Practice. The success attending this method of instruction at previous sessions encourages the hope of the best results from its continuance. Bedside instruction is a prominent feature of the third year.

At the Philadelphia Hospital the various clinical lecturers will take the second and third-year classes, in small sections, through the wards, giving bedside instruction.

**HYGIENE.**

The course in hygiene is so directed that the student receives, by illustrated and didactic lectures and by practical laboratory teaching, clear and definite ideas concerning the prevention of disease through measures devoted to the destruction of micro-organisms, and by the sanitary
arrangements for drainage and ventilation. By means of this course, the advanced lectures of the second and third years are more readily understood, and the future physician is enabled to check the spread of infectious diseases and advise as to hygienic matters in the construction of homes and public institutions.

CLINICAL MICROSCOPY.

A course in Clinical Microscopy has been organized under the direct supervision of the Demonstrator of Pathology. The course will embrace the examination of sputum, pus, etc.; the examination of blood, including the counting of blood corpuscles, and the estimation of hemoglobin, etc., also a course in Urinary Microscopy. The instruction will be given to the class in sections.

ROSTER OF HOSPITAL PRACTICE AND LABORATORIES FOR THIRD-YEAR STUDENTS.

SESSION OF 1891-92.

The Class is divided into 11 Sections, A to K, inclusive, serving as follows, in periods of two weeks each, the dates being included.

<table>
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<tr>
<th>CLINICS, ETC.</th>
<th>Oct. 31st to Nov. 14th, inclusive</th>
<th>Nov. 15th to Nov. 28th</th>
<th>Nov. 29th to Dec. 12th</th>
<th>Dec. 13th to Jan. 1st</th>
<th>Jan. 2nd to Jan. 16th</th>
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<th>March 3rd to March 17th</th>
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<td>Physical Diagnosis</td>
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<td>Clinical Obstetrics</td>
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<td>Throat and Nose</td>
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<td>Dr. S. Solis-Cohen</td>
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<td>Practical Obstetrics</td>
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For the session of 1892-93 the above roster will be modified according to the exigencies of the Hospital rules, which are liable to change.

THE LABORATORY OF PRACTICAL CHEMISTRY.

The working 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 him a table, with full reagent sets and a lock-drawer containing all needed appliances.

The instructions here given will be in harmony with the chemical lectures of the Winter Session, and will be 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 are to be availed of in his subsequent practice.

The course of the first year will consist of—

I. Manipulations, in which each student will himself perform various experiments, shown and explained by the Professor of Chemistry in his regular lectures previous to the holidays. These will include Acidimetry and Alkalimetry.

II. Toxicology, especially adapted to the wants of the medical practitioner. This will include an extensive range of testing for the various poisons, mineral and organic, commonly met with in practice, and conclude with a practical examination of samples of vomited matters of unknown composition.

The course of the second year will include the Examination of Normal and Abnormal Products of the human body, as aiding in the diagnosis of disease. The Practical Morbid Chemistry of the Bile and the Blood, and the most approved methods of examining Urine, Analytical and Microscopic, will be performed by each student according to the principles taught by the Professor of Chemistry in the latter half of the lecture term. At the close of this course each of the students will make a diagnostie examination of a sample of urine of an unknown composition.

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

THE LABORATORY OF PHARMACY, MATERIA MEDICA, AND EXPERIMENTAL THERAPEUTICS.

The Laboratory of Materia Medica and Therapeutics contains a complete cabinet of materia medica preparations and active principles, for study by each pupil, as the articles are taken up by the Professor during the regular term. 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 study 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. Cases containing representative specimens of the materia medica are furnished for personal examination and study by each student, so that he may obtain a practical acquaintance with the appearance and physical qualities of all the important remedies.

The tanks for frogs and the cages for warm-blooded animals have ample capacity for all purposes.

THE LABORATORY OF PHYSIOLOGY.

The demonstrations in the Physiological Laboratory during the first year of study will embrace 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.

During the second year of study the instruction will embrace the demonstration of the essential phenomena of digestion, absorption, circulation, respiration, excretion, the functions of the nervous system, including the special senses, the reproductive apparatus and development of the embryo. For these demonstrations, as well as for original research, the laboratory is equipped with the most complete outfit of apparatus that both time and a liberal expenditure of money can gather together.

Comparative Physiology.—This 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 supplementing the experimental demonstrations.

Arrangements have been made through which the laboratory can be also supplied from time to time, as required, with living fresh water and marine objects for biological study, as well as ample material for dissection.

THE LABORATORY OF OPERATIVE AND MINOR SURGERY AND BANDAGING.

This department is in charge of the Demonstrator of Surgery and his assistants.

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

Students of the 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, the employment of the various surgical knots and sutures in use.

The members of each section of the third class are required to perform, on the cadaver, amputations, ligations of arteries, trephining, tracheotomy, nerve sections, perineal sections, the various operations of abdominal surgery—those of castration, varicocele, circumcision, amputation of the penis, etc.

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.

THE LABORATORY OF NORMAL HISTOLOGY.

The instruction in Normal Histology embraces the manner of using the microscope, the cutting, staining, and mounting of sections, and the demonstration of the minute or microscopic anatomy of the various tissues and organs. This department is furnished with numerous microscopes and apparatus for inbedding, freezing, and section cutting. The class is divided into sections of fifty, and each student is supplied with a microscope.

A cabinet of 1000 specimens, carefully mounted by an expert, has been purchased for the use of this department.

THE LABORATORY OF PATHOLOGICAL ANATOMY AND HISTOLOGY.

During the winter term opportunities are offered to the students of being present, in sections, at autopsies by Professor Morris Longstreth, Pathologist to the Jefferson Medical College Hospital and to the Pennsylvania Hospital. Instruction is given in pathological anatomy and pathological histology, to the class in sections, during the winter term, in the laboratory. Abundant materials for this work are derived from the
autopsies and surgical operations at the Jefferson Medical College and the Pennsylvania Hospitals, and the classes in the laboratory are supplied with specimens, to be examined microscopically, and explained to them by the Demonstrator.

The preparations of sections of morbid specimens, and the application of the microscope to pathological work in practical medicine, constitutes a part of the instruction in this department.

**THE PRACTICAL COURSES.**

The several practical courses above described are under the direct personal superintendence of the Professors, assisted by their Demonstrators.

These practical courses are, as their name indicates, entirely demonstrative. During the hours devoted to the practical work, no lecturing is done, and only so much conversation with individuals is permitted as may be necessary for the unavoidable explanations.

Graduates and advanced students desiring private courses in any of the departments of instruction can arrange to obtain them of qualified instructors.

**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 the small charge of $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 ample.

Changes in the methods afford the opportunity to render the teaching of Anatomy more efficient. No lectures are given by the Demonstrators, but their duties are confined to directing the work of the students, and their work will have two special features:

1. The demonstration of the bones, ligaments, and joints to the student beginning anatomical study.
2. The demonstration on the cadaver, as the students proceed in their dissection. 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, will, under the direction of the Demonstrators, acquire the necessary elementary knowledge of the skeleton and its articulations.

The bones and joints will be demonstrated, and loose bones will be issued to each student, which he may also take to his room for more deliberate study.

The demonstrations on the cadaver will be made systematically, to render the dissections of the student more intelligent, and to facilitate his acquisition of anatomical details. Careful supervision will constantly be had of the work of the students as they proceed in their dissections, to insure thorough acquisition of anatomical knowledge, which must ever constitute the groundwork of a medical education.

**SPRING LECTURES.**

Supplementing the regular Winter Didactic and Clinical Lectures there is a Spring Session of Clinical Lectures and Laboratory Work.

The Spring Session begins May 1st and closes on the first day of June. The Lectures in this Course during the spring of 1892 were as follows:

**CLINICS.**

- Genito-Urinary Diseases, 
  Prof. Brinton.
- Ophthalmic Surgery, 
  Prof. Thomson.
- Diseases of the Anus and Rectum, 
  Prof. Keen.
- Venereal Diseases, 
  Prof. Forbes.
- Dermatology, 
  Dr. Henry Stelwagon.
- General Medicine, 
  Dr. Wiegman.
- General Surgery, 
  Dr. Hearne and Barton.
- Laryngology, 
  Dr. Jurist.

**DIDACTIC LECTURES.**

- Localization of Cerebral Functions, 
  A. P. Brubaker, M.D.
- Milk Examination, 
  Lawrence Wolff, M.D.
- Pathology and Treatment of Uterine Hemorrhage, 
  E. P. Davis, M.D.
- Topographical Anatomy, 
  A. Hewson, M.D.
- Genito-Urinary Diseases, 
  Orville Horwitz, M.D.
- Renal Diseases, 
  E. L. Vansant, M.D.
- Recent Aids to Diagnosis, 
  W. M. L. Coplin, M.D.
- Experimental Therapeutics, 
  E. Q. Thornton, M.D.

There is no additional charge for the Spring Course of Lectures to Matriculants of the College, except a registration fee of $5. Non-matriculants pay the registration fee, and also $35, which latter sum is, however, credited on the amount of fees paid for the ensuing Winter Course.
THE JEFFERSON MEDICAL COLLEGE

THE CLASS OF 1891-1892.

The class of the last Winter Session numbered 529, made up of representatives of the following States, Territories, Countries, and Kingdoms:

UNITED STATES.

Alabama, Indiana, Missouri, Rhode Island,
Arkansas, Iowa, Montana, South Carolina,
California, Kansas, Nebraska, Tennessee,
Colorado, Kentucky, Nevada, Texas,
Connecticut, Louisiana, New Hampshire, Virginia,
Delaware, Maine, New Jersey, Washington,
Dist. of Columbia, Maryland, New York, West Virginia,
Florida, Massachusetts, Ohio, Wisconsin,
Georgia, Michigan, Oregon, Pennsylvania,
Idaho, Minnesota, Mississippi,
Illinois,

FOREIGN COUNTRIES.

Armenia, Central America, Mexico, Switzerland,
Austria, Chile, Russia, Syria,
Canada, Ireland, Sweden,

The graduating class numbered 147, making the total number of graduates to date 9899.

ENTRANCE EXAMINATION.

Entrance examinations, as a test of fitness for entering upon the study of medicine, will be held Sept. 27th, Sept. 29th, and Oct. 6th and 15th, at 11 A. M., and at other times by special arrangement.

To be admitted without examination, the applicant must show a teacher's certificate or a diploma from some recognized literary or scientific school, or a certificate of having passed a college entrance examination, or a satisfactory certificate from the master of some academy or high school, or a certificate from the examiners of a County Medical Society. In the absence of such evidence of having acquired a suitable education, the applicant must stand an examination in English and Elementary Physics, at the College, or at a distance, before some examiner appointed by the Faculty. To save time the applicant is advised to bring his certificate with him.

Those who have been previously matriculated at other Medical, Dental, or Pharmaceutical Colleges exacting a preliminary examination, and all graduates of medicine, are exempt from this requirement.

EXAMINATIONS FOR ENTERING AS SECOND-YEAR STUDENTS.

Any student who has taken one or more courses in an accredited Medical College, desiring to be graded as a second-year student on entrance, must stand an examination in Inorganic Chemistry, Materia Medica, Physiological Physics, and part of Anatomy (Osteology, Syndesmology, and Myology), unless he presents a satisfactory certificate of having passed in these branches. Graduates in Pharmacy and Doctors of Dentistry and Veterinary Surgery are received into this grade without examination.

EXAMINATIONS FOR ENTERING AS THIRD-YEAR STUDENTS.

Any student who has taken two or more courses at another accredited Medical College, desiring to be graded as a third-year student, must be examined in Materia Medica, Physiology, Anatomy, and Chemistry on entrance, unless he presents a satisfactory certificate of having passed the final examination in these branches. Graduates of accredited Medical Colleges may be received into the third grade without examination, and after taking the third-course in this institution will receive the degree of M. D. on passing an examination in Therapeutics, Surgery, Practice of Medicine, Obstetrics, and Gynecology. Graduates of Veterinary Surgery may be admitted into the third year in all branches except Human Anatomy; they will be required to dissect and pass in Anatomy, in addition to the final third-year branches.

FOURTH-YEAR STUDENTS.

No student or graduate is admitted to this course without showing evidence of attendance on at least three courses of lectures.

EXAMINATION FOR THE DOCTORATE.

REQUIREMENTS FOR GRADUATION.

The examination for the degree of M. D. is held at the close of the Winter Term of lectures. The examination, conducted by the Faculty—each Professor in his own branch—will be written or oral. Students failing to reach the standard exacted for the degree of Doctor of Medicine may be credited as having passed on such branches as they have shown
proficiency in, and will not be required to stand a second examination on these branches should they apply again. The presentation of a Thesis will not be required, unless in competition for a prize. The candidates are examined in turn upon all the subjects of the third year, given on page 14, except those who have been previously examined and passed under regulations now existing. Certificates from other medical schools, testifying to a successful examination, are not accepted in lieu of the final examination for the degree by the Faculty of this College.

The candidate for the degree of M. D. must present a certificate of good moral character, and be at least twenty-one years of age. He must have attended at least three regular annual sessions of lectures, of which the last shall have been in this College, and the previous ones either here or in some regular College authorized to confer the degree of M. D., and in which Anatomy, Chemistry, Materia Medica and Therapeutics, Physiology, Surgery, Practice of Medicine, Obstetrics, and Gynecology are embraced in the Curriculum. He must have attended two courses of Clinical Instruction and of Practical Anatomy. Graduates of Pharmacy and Dentistry to become candidates for graduation will be required to show certificate of at least two courses of Practical Anatomy or Dissection, either at the Jefferson Medical College or some other accredited Medical or Dental College empowered to confer the degree of M. D. or D. D. S.*

The candidate must exhibit his tickets, or other adequate evidence of attendance on the required courses of lectures, to the Dean of the Faculty, and give to the Faculty, at his examination, evidence of reasonable professional attainments. A grade based upon the work performed by him in the laboratories, noted and entered in registers, will be considered by the Faculty in determining his final graduating average.

Students of Dental Colleges in which a five-months' winter session is held, and where full courses are given on Anatomy, Materia Medica, Physiology, and Chemistry, may become candidates after attendance on two courses at such Colleges, and on the second- and third-year courses at the Jefferson Medical College, provided that in all three annual sessions be attended.

*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 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 have attended four winter and four summer sessions in this College. This degree of recognition is as much as is extended to any foreign or American college or university.
HOSPITAL APPOINTMENTS.

Every year five Resident Physicians to the College Hospital and five substitutes are elected from the graduating class. These are chosen from the graduates standing highest in their examination. At the other hospitals of the city nearly forty resident appointments are made annually, for the most part by competition open to all graduates in medicine.

PRIZES.

The following Prizes are offered to the graduates of the Jefferson Medical College, at the Annual Commencement, in 1893 —

No. 1. Practice Prize. A Gold Medal, for the best essay on a subject pertaining to the Practice of Medicine.
No. 2. Therapeutics Prize. A Gold Medal, for the best examination in Therapeutics.
No. 3. Physiology Prize. A Gold Medal, for the best essay on a subject pertaining to Physiology (open to undergraduates).
No. 4. Surgery Prize. A Gold Medal, for the best essay on a subject pertaining to Surgery.
No. 5. Obstetrical Prize. A Gold Medal, for the best essay on a subject pertaining to Obstetrics, or for a specimen illustrating some point in relation thereto.
No. 6. Chemical Prize. A Gold Medal, for the best original work in the Chemical Laboratory (open to undergraduates).
No. 7. Anatomy Prize. A Gold Medal, for the best Anatomical Preparation (open to undergraduates).
No. 8. Pathology Prize. A Gold Medal, for the best essay on some subject connected with Pathology, or for a Pathological Preparation.

TEXT-BOOKS.

FIRST YEAR.

**Text-Books.**

- **Physiology.**—Chapman.
- **Chemistry.**—Withthaus; Holland on The Urine, the Common Poisons, and The Milk.
- **Hygiene and Public Health.**—Copin and Bevan.
- **Anatomy.**—Gray or Leidy; Klein's Histology.
- **Materia Medica.**—Hare's Text-book of Practical Therapeutics; Thornton's Prescription Writing.

**Books of Reference.**

- Taylor's Toxicology.
- Quain.
- Bartholow's Materia Medica and Therapeutics; Bartholow's Medical Electricity.

SECOND AND THIRD YEAR.

- **Physiology.**—Chapman.
- **Chemistry.**—Withthaus; Holland on The Urine, the Common Poisons, and The Milk.
- **Anatomy.**—Gray or Leidy.
- **Therapeutics.**—Hare.
- **Surgery.**—The American Text-Book of Surgery; Gross, Surgery.
- **Obstetrics.**—Parvin.
- **Gynaecology.**—Winckel on Diseases of Women.
- **Pediatrics.**—J. Lewis Smith on Diseases of Children.
- **Pathology.**—Green; Klein.
- **Practice of Medicine.**—Da Costa’s Medical Diagnosis; Bartholow’s Practice of Medicine.
- **Laryngology and Rhinology.**—Cohen.
- **Dermatology.**—Stelwagon’s Essentials of Diseases of the Skin.
- **Neurology.**—Ormerod.
- **Medical Dictionaries.**—Gould; Dunglison.

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 four to five dollars 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 even less rates. Board during the summer is lower than in winter.

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 them provided with board. The Dean will, if desired, attend to the collection of the drafts and checks of the student.

Students are advised to matriculate and procure their tickets without delay, as numbered seats are given in the order of matriculation. 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. All business connected with the College is transacted at the office of the Dean.

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.
GRADUATES
OF
THE JEFFERSON MEDICAL COLLEGE
OF PHILADELPHIA.

APRIL, 1892.

At a Public Commencement, held at the American Academy of Music on the 27th of April, 1892, the Degree of Doctor of Medicine was conferred on the following gentlemen by the Honorable Furman Sheppard, of the Board of Trustees, after which the Valedictory Address to the Graduates was delivered by Professor John H. Brinton, M.D.

<table>
<thead>
<tr>
<th>NAME</th>
<th>POST OFFICE</th>
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<tbody>
<tr>
<td>Althouse, Albert C.</td>
<td>Dublin, Pa.</td>
</tr>
<tr>
<td>Anderson, John Benjamin</td>
<td>Claysville, Pa.</td>
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<tr>
<td>Andreas, George R.</td>
<td>Cherryville, Pa.</td>
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<tr>
<td>Armbrrecht, Edward Louis</td>
<td>Wheeling, W. Va.</td>
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<tr>
<td>Arnold, J. Harry (B.S.)</td>
<td>Versailles, Ky.</td>
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<tr>
<td>Banes, Hiram Joseph (Ph.G.)</td>
<td>Washington, D. C.</td>
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<tr>
<td>Barton, Harry Roselle</td>
<td>Queen Anne, Md.</td>
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<tr>
<td>Beale, Frank Sidney</td>
<td>Scranton, Pa.</td>
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<td>Bell, James Alexander</td>
<td>Coffeeville, Miss.</td>
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<td>Benis, Royal Warren</td>
<td>Waltham, Mass.</td>
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<td>Blake, Duncan Williamson, Jr.</td>
<td>Gloucester, N. J.</td>
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<tr>
<td>Bloodworth, Francis Henry</td>
<td>Savannah, Ga.</td>
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<tr>
<td>Brewster, Joseph Hall</td>
<td>Wellsborough, Pa.</td>
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<td>Brothers, William Roy</td>
<td>Duncannon, Pa.</td>
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<td>Brubaker, Frank B.</td>
<td>Millinburg, Pa.</td>
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<tr>
<td>Bruch, Elmer Clinton (M.D.)</td>
<td>Bethlehem, Pa.</td>
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<tr>
<td>Bumgarner, Geo. Leonard</td>
<td>Millsboro, Pa.</td>
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</tbody>
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GRADUATES.

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<thead>
<tr>
<th>NAME</th>
<th>POST OFFICE</th>
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<tr>
<td>Casey, Joseph Daniel</td>
<td>Latrobe, Pa.</td>
</tr>
<tr>
<td>Chapman, Charles E.</td>
<td>Minneapolis, Minn.</td>
</tr>
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<td>Chritzman, Clarence Armor</td>
<td>Welsh Run, Pa.</td>
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<td>Cloud, Joseph Howard</td>
<td>Ardmore, Pa.</td>
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<td>Conkwright, Sidney Allen (M.D.),</td>
<td>Sedalia, Mo.</td>
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<td>Corson, Joseph Makay</td>
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<td>Craig, William Gibson</td>
<td>Keeseequa, Ia.</td>
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<td>Cuskaden, Albert Douglas (Ph.G.),</td>
<td>Atlantic City, N. J.</td>
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<td>Dehoney, Howard</td>
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<td>Derr, James Grant</td>
<td>Turbotville, Pa.</td>
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<td>Dunning, Frederick (Ph.G.),</td>
<td>Denton, Md.</td>
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<td>Elkin, Philip</td>
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<td>Ernest, Jacob Ellsworth</td>
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<td>Felty, Harry Bowman</td>
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<td>Ferguson, John Preston (A.B.),</td>
<td>Louisville, Ky.</td>
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<td>Ferrre, George Perry</td>
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<td>Foster, Harry Stewart</td>
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<td>Gabrielian, Mugurdich C.</td>
<td>Armenia.</td>
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<td>Goodwin, James Joseph</td>
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<td>Gustin, Grant Harden</td>
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<td>Hanna, Hugh</td>
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<td>Hannan, Charles Edmund</td>
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<td>Harris, Frank P. (Ph.G.),</td>
<td>Sharptown, N. J.</td>
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<td>Hartline, Charles Henry</td>
<td>Shamokin, Pa.</td>
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<td>Hazlett, Harry Foster</td>
<td>Altoona, Pa.</td>
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<td>Heaton, William Wright (M. D.),</td>
<td>Cassville, Pa.</td>
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<td>NAME</td>
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<tr>
<td>Hermany, Horace David (Ph.G.)</td>
<td>Mahanoy City, Pa.</td>
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<td>Hislop, John</td>
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<td>Hoffman, Elmer Ellsworth McClellan</td>
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<td>Holliday, John Wesley (M.D.)</td>
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<td>Hunter, Marcus Catlin</td>
<td>South Montrose, Pa.</td>
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<td>Jackson, Thomas Wright</td>
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<td>Jermaine, Percy Lee</td>
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<td>Jessop, Roland</td>
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<td>Johansen, Ernest Augustus</td>
<td>San Francisco, Cal.</td>
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<td>Johnston, Edmund Burke (M.D.)</td>
<td>Hokah, Minn.</td>
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<td>Kerns, Samuel Proctor</td>
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<td>Landis, Charles Ernest</td>
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<td>Light, Lincoln Reigel</td>
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<td>Lippincott, Ahab Haines</td>
<td>Camden, N. J.</td>
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<td>Long, William Hillwell, Jr.</td>
<td>Louisville, Ky.</td>
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<td>McCarty, David Wilson</td>
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<td>McGrath, Francis A.</td>
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<td>Marshall, James Sidney (M.D.)</td>
<td>Blossom, Tex.</td>
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<td>Meck, Francis Joseph</td>
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<td>Millard, Benjamin Joshua</td>
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<td>Munson, Harry G.</td>
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<td>Murphy, Robert Matthew (M.D.)</td>
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<td>Murray, Alexander (M.D.)</td>
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<td>Murray, Lewis Rutherford</td>
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<td>O'Reilly, Thomas W.</td>
<td>St. Louis, Mo.</td>
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<td>Page, Harlan Myron (A.B.)</td>
<td>Mantua Station, O.</td>
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<td>Parshall, Robert Vincent</td>
<td>McClellandtown, Pa.</td>
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<td>Perry, Van Lear</td>
<td>Charleston, W. Va.</td>
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<td>Pressly, George William L.</td>
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<td>Purnell, Howard Garrett</td>
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<td>Royer, Jacob Weaver</td>
<td>Terre Hill, Pa.</td>
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<td>Seligman, Abram Pott</td>
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<td>Sherman, Harry Ulysses</td>
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<td>Shultz, Cameron</td>
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<td>Spencer, George Wicks</td>
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<td>Spruance, Henry Roche</td>
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<td>Stewart, Alanzo Hamilton</td>
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<td>Stillwagen, Charles Augustine</td>
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<td>Swartzwelder, James Sherman (M.D.)</td>
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<td>Swisher, David Falls (Ph.G.)</td>
<td>Darby, Pa.</td>
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<td>Thomas, Charles Wallace (M.D.)</td>
<td>Walla Walla, Wash.</td>
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<td>Trexler, Charles Amos</td>
<td>Trevlers', Pa.</td>
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<td>Vincent, George Walter</td>
<td>New York City, N. Y.</td>
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<tr>
<td>Volz, Frederick (Ph.G.)</td>
<td>Bloomington, Ill.</td>
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</table>
The following prizes were awarded:

1. A Gold Medal, for the best Essay on a subject pertaining to Surgery, to George Wicks Spencer, of Indiana.
2. A Gold Medal, for the best Essay on a subject pertaining to Obstetrics, to Frederick Dunning, Ph.G., of Maryland.
3. A Gold Medal, for the best Essay on a subject pertaining to Pathology, to Robert J. Henderson, of Pennsylvania.
4. A Gold Medal, for the best Examination in Therapeutics, to Harlan Myron Page (A.B.), of Ohio, with Award of Distinguished Merit to William Gibson Craig, of Iowa.
5. A Gold Medal, for the best Essay on a subject pertaining to the Practice of Medicine, to Thomas Wright Jackson, of Ohio, with honorable mention of the Essay of David Falls Swisher, of Pennsylvania.

Of the above, there were from

Pennsylvania, 88
New Jersey, 6
Delaware, 6
Kentucky, 4
Missouri, 4
Ohio, 3
Minnesota, 3
Canada, 3
Maryland, 2
Rhode Island, 2
Iowa, 2

West Virginia, 2
Texas, 2
Dist. of Columbia, 2
New York, 1
Virginia, 1
California, 1
Maine, 1
Massachusetts, 1
Kansas, 1
Indiana, 1
Illinois, 1
Mississippi, 1
Washington, 1
South Carolina, 1
Arkansas, 1
Georgia, 1
Connecticut, 1
Colorado, 1
Arenmania, 1
Austria, 1
Central America, 1

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.

The objects of this Association are the promotion of the prosperity of the Jefferson Medical College, offering of prizes, publishing of 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 interests 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.

Every graduate of the school, in good standing in the profession, is cordially invited to join the Association, and thus contribute to the advancement of its important interests.

At the last annual meeting, held April 28th, 1892, the following officers were elected for the ensuing year:

President.—Dr. W. W. Keen, of Philadelphia.
Vice-Presidents.—Drs. J. C. Wilson, J. M. Barton, Morris Longstreth, and John C. Da Costa, of Philadelphia; Dr. Thomas Addis Emmet, of New York; Dr. M. L. James, of Richmond, Va.; Dr.Geo. L. Porter, of Bridgeport, Conn.; Dr. J. A. Lippincott, of Pittsburgh, Pa.
Corresponding Secretary.—Dr. Richard J. Dunglison.
Recording Secretary.—Dr. Orville Horwitz.
Treasurer.—Dr. E. L. Vansant.
Professor P. S. Connor, M.D., of Cincinnati, O., has been nominated as orator for 1893. There will be four clinical meetings during the year at times to be determined hereafter. The annual business meeting will be held on the third Sunday in January.

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

**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.

Remittances for dues should be forwarded to Dr. E. L. Vansant, Treasurer, 1632 Chestnut Street, Philadelphia.

All other communications relating to the Alumni Association should be addressed as below.

RICHARD J. DUNGLISON, M.D., CORRESPONDING SECRETARY,
P. O. Box 1274, Philadelphia, Pa.