1895

The Jefferson Medical College of Philadelphia and its Hospital 71st Annual Announcement: Session of 1895-96 and Register of Students for 1894-95
CALENDAR.

1895

September 23d . . . . . Registration for reserved seats by the student's personal signature. Book opened this day.

September 23d . . . . . Preliminary lectures begin.

Sept. 23d and Oct. 2d . . . Entrance examination, 11 a.m.

October 1st . . . . . . . Regular session begins. Introductory lecture, 8 p.m.

October 2d . . . . . . . Entrance and grading examinations, 11 a.m.

October 14th . . . . . . Last day for entrance and grading examinations, 11 a.m.

Thanksgiving Day . . . . Holiday.

December 20th . . . . . Christmas recess begins, 6 p.m.

Christmas recess.

1896

January 2d . . . . . . . College work resumed, 9 a.m.

January 18th . . . . . . Annual business meeting Alumni Association.

February 22d . . . . . . Washington's birthday; holiday.

Good Friday . . . . . . . Holiday.

April 23d . . . . . . . . Close of lectures.

April 24th . . . . . . . . Final examination begins.

May 14th . . . . . . . . Alumni association meets, 12 m. 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.

HENRY C. CHAPMAN, M.D., Professor of Institutes of Medicine and Medical Jurisprudence, No. 2047 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. 1626 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. 1704 Walnut Street.

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

H. A. HARE, M.D., Professor of General Pathology and Pathological Anatomy, 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. 1715 Walnut Street.

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

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. 1502 Spruce Street.

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

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

ORVILLE HORWITZ, M.D., Clinical Professor of Genito-Urinary Diseases, No. 1115 Walnut Street.

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

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

S. MAC CUEN SMITH, M.D., Clinical Professor of Otology, No. 1502 Walnut Street.

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

LECTURERS.

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

DAVID D. STEWART, M.D., Lecturer on Diseases of the Stomach.

DEMONSTRATORS.

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

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

J. CHALMERS DA COSTA, M.D., Demonstrator of Surgery.

J. M. DA COSTA, M.D., Emeritus Professor of Medicine and Clinical Medicine, No. 1700 Walnut Street.
INSTRUCTORS AND ASSISTANT DEMONSTRATORS.

W. S. JONES, M.D., Instructor in Laryngology.
J. P. MANN, M.D., Instructor in Orthopedic Surgery.
D. BEVAN, M.D., Instructor in Hygiene.
MAX BOCHROCH, M.D., Instructor in Electro-Therapeutics.
JOHN LINDSAY, M.D., Instructor in Dermatology.
A. H. STEWART, M.D., Instructor in Clinical Microscopy.
C. F. PETTIBONE, M.D., Instructor in Diseases of Children.
F. K. BROWN, M.D., Instructor in Diseases of Children.
E. L. KLOPP, M.D., Instructor in Otology.
W. L. PEPPER, M.D., Instructor in Bandaging.
M. H. WILLIAMS, M.D., Assistant Demonstrator of Morbid Anatomy.
JOHN S. MILLER, M.D., Assistant Demonstrator of Anatomy.
JOHN LINDSAY, M.D., Assistant Demonstrator of Anatomy.
W. A. R. VANNEFAN, M.D., Assistant Demonstrator of Anatomy.
W. H. WELLS, M.D., Assistant Demonstrator of Clinical Obstetrics.
J. P. BOLTON, M.D., Assistant Demonstrator of Chemistry.
H. R. LOUX, M.D., Assistant Demonstrator of Surgery.
GEORGE W. SPENCER, M.D., Assistant Demonstrator of Surgery.
I. E. BENNETT, M.D., Assistant Demonstrator of Surgery.
H. W. HASSELL, M.D., Assistant Demonstrator of Surgery.
E. J. CHASSAGNE, M.D., Assistant Demonstrator of Clinical Medicine.
D. BEVAN, M.D., Assistant Demonstrator of Morbid Anatomy.
D. BRADEN KYLE, M.D., Assistant Demonstrator of Morbid Histology.
C. H. RECKEFUS, M.D., Assistant Demonstrator of Anatomy.
C. D. S. FRUH, M.D., Assistant Demonstrator of Anatomy.
J. R. CRAWFORD, M.D., Assistant Demonstrator of Anatomy.
HOWARD DEHONEY, M.D., Assistant Demonstrator of Anatomy.
J. EDWARD MOORE, M.D., Assistant Demonstrator of Pharmacy.
FRANCIS KELLY, M.D., Assistant Demonstrator of Morbid Histology.
J. FLOYD MURDOCH, M.D., Assistant Demonstrator of Morbid Histology.
W. H. KING, M.D., Assistant Demonstrator of Clinical Microscopy.
HENRY TUCKER, M.D., Assistant Demonstrator of Clinical Microscopy.
RANDLE C. ROSEMBERGER, M.D., Assistant Demonstrator of Histology.
WILLIAM D. BRADLEY, M.D., Assistant Demonstrator of Histology.
G. BARRINGTON SLIFER, M.D., Assistant Demonstrator of Histology.
ROBERT J. HENDERSON, M.D., Assistant Demonstrator of Histology.
R. H. DEVINE, B.S., Assistant Demonstrator of Chemistry.
J. R. PLANK, A.B., Assistant Demonstrator of Chemistry.
E. H. GREEN, M.D., Assistant Demonstrator of Surgery.
J. KOLMER, M.D., Assistant Demonstrator of Surgery.
W. KRUSEN, M.D., Assistant Demonstrator of Clinical Gynecology.
J. F. TURNER, M.D., Assistant Demonstrator of Surgery.
A. H. STEWART, M.D., Assistant Demonstrator of Clinical Medicine.
W. N. SEDGWICK, M.D., Assistant Demonstrator of Clinical Medicine.
J. C. DA COSTA, M.D., Assistant Demonstrator of Clinical Medicine.
F. HURST MAIER, M.D., Assistant Demonstrator of Clinical Gynecology.

JEFFERSON MEDICAL COLLEGE HOSPITAL.

MEDICAL DIRECTOR, PROF. J. C. WILSON, M.D.

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.
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WILLIAM THOMSON, M.D., Professor of Ophthalmology.
J. SOLIS COHEN, M.D., Honorary Professor of Laryngology.
W. JOSEPH HEARN, M.D., Clinical Professor of Surgery.

CLINICAL PROFESSORS.

HENRY W. STELWAGON, M.D., Clinical Professor of Dermatology.
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EDWIN E. GRAHAM, M.D., Clinical Professor of Diseases of Children.
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G. E. DE SCHWEINITZ, M.D., Clinical Professor of Ophthalmology.
ORVILLE HORWITZ, M.D., Clinical Professor of Genito-Urinary Diseases.
EDWARD P. DAVIS, M.D., Clinical Professor of Obstetrics.
S. MACCUEN SMITH, M.D., Clinical Professor of Otolaryngology.
HOWARD F. HANSELL, M.D., Clinical Professor of Ophthalmology.

HOSPITAL STAFF.

J. M. BARTON, M.D., Surgeon.
CHARLES WIRGMAN, M.D., Physician.
PROF. H. AUGUSTUS WILSON, M.D., Orthopedic Surgeon.
JOHN C. DA COSTA, M.D., Gynecologist.
LAURENCE TURBULL, M.D., Aural Surgeon.
HENRY LEFFMANN, M.D., Pathological Chemist.

RESIDENT PHYSICIANS. (Class of 1894.)

Wm. J. MCNAUL, M.D., GEO. W. WAGNER, M.D., J. K. CRAWFORD, M.D., S. M. WOLFE, M.D., WARD BRINTON, M.D., MAX PERALTA, M.D.

SUBSTITUTES.

J. KOLMER, M.D., W. B. IRISH, M.D., J. R. NOEL, M.D., J. L. MUSQUIZ, M.D.

Assistant Superintendent of the Hospital, GEORGE E. BAILY, JR.
Directress of Training School, MISS SUSAN C. HEARLE.
Matron, MISS M. CUNNINGHAM.
OUT-PATIENT STAFF.

MEDICAL.
Julius L. Salinger, M.D., Thomas G. Ashton, M.D., Chief Clinical Assistants.

SURGICAL.
J. Chalmers DaCosta, M.D., Chief Clinical Assistant; Henry Knox, M.D., and Irvin E. Bennett, M.D., Etherizers.
Clinical Assistants—Martin H. Williams, M.D., George W. Spen-
cer, M.D., Robt. J. Dengler, M.D., J. E. Bennett, M.D., E. M. Green, M.D., J. Kolmer, M.D., D. A. Metheny, M.D., I. F. Turner, M.D.

OBSTETRICAL.
E. P. Davis, M.D., Chief Clinical Assistant.
W. H. Wells, M.D., and the staff of interns.

GYNECOLOGICAL.
John M. Fisher, M.D., Chief Clinical Assistant.
Assistants—James A. Irwin, M.D., Frederick H. Maiert, M.D., Wilmer Krusen, M.D., R. E. Mullen, M.D.

OPHTHALMOLOGICAL.
Carl Wieland, M.D., Clarence A. Veasey, M.D., Chief Clinical Assistants.
Assistants—K. C. McWilliams, M.D., E. W. Stevens, M.D., Robt. R. Saunders, M.D., Alexander Craig, M.D., Wm. K. Powell, M.D., Robt. Keeley, Jr., M.D., Robt. Casperson, Jr., M.D.

LARYNGOLOGICAL.
W. S. Jones, M.D., Chief Clinical Assistant.
Assistants—Chas. W. Coburn, M.D., J. Torrance Rugh, M.D., G. B. Sliper, M.D., N. A. Cohen, M.D.

OTOLOGICAL.
E. L. Klopp, M.D., Chief Clinical Assistant.
Assistants—Hugh Hanna, M.D., I. F. Stover, M.D., C. W. Hoopes, M.D.

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

DISEASES OF CHILDREN.
C. F. Pettibone, M.D., Chief Clinical Assistant.
Assistants—Joseph Savitsky, M.D., R. C. Rosenberger, M.D.

DERMATOLOGICAL.
John Lindsay, M.D., Chief Clinical Assistant.
Assistants—Emmanuel J. Stout, M.D., Julius E. Fochenboch, M.D.

NEUROLOGICAL.
Max Bochroch, M.D., Chief Clinical Assistant; H. J. Dean, M.D., Recorder; T. W. Jackson, M.D., Electrician; Joseph P. Bolton, M.D., G. M. Edwards, M.D., Albert P. Good, M.D.

GENITO-URINARY.
Assistants—J. Eugene Mohr, M.D., W. A. R. Vanneman, M.D., Arthur Dare, M.D., S. Badeer, M.D., G. E. Yemans, M.D.
places 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 sixteen years: Surgical Diseases, including cases in the special clinics, Gynecological, Ophthalmological, Laryngological, Aural, and Orthopedic, 98,079 patients; Medical Diseases, including cases in the special clinics, Neurological, Dermatological, and for children, 45,732 patients. These, added to the 22,920 patients treated in the wards, make in all 166,731 patients treated in fifteen years. The examinations and prescriptions given to these patients amount to 577,566. Over 9230 operations have been performed before the class.

During the last year 1063 accident cases were treated. The recent establishment of an ambulance service will increase this number during the ensuing year. The number of patients cared for in the wards was 2512, and in the out-patient service 15,229 were treated. In operating cases during the year, there were used 68 miles of muslin bandages and about 477 miles of guaze bandages.

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 Amphitheatre capable of seating nearly 800 students.

In order to meet the demand for ampler accommodations the Maternity Department has been removed to a separate building at 224 S. Seventh Street. Here bedside instruction in Midwifery is given to each member of the graduating class.

A Training School for Nurses is maintained, from which pupil nurses can be had at very reasonable prices by application at the Hospital.

COURSE OF INSTRUCTION.

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, 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 and Gynecology, Materia Medica and Therapeutics, Ophthalmology, Chemistry, Physiology, Pathology, Anatomy, Medical Jurisprudence, and Hygiene.

In the laboratories special instruction is given in Physiology, Chemistry, Pharmacy, Pathology, Histology, Dissections, and Major and Minor Surgery, with Bandaging; while the 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.

All these courses are obligatory upon the student desiring to present himself for the degree of M. D.

(For detailed information as to instruction see page 19.)

REQUIREMENTS FOR ADMISSION.

To the First-Year Class.

To be admitted to the first-year class 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 preliminary 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 satisfactory preliminary examination, and all graduates of Medicine, are exempt from this requirement.

Entrance examinations, as a test of fitness for entering upon the study of medicine, will be held September 23d and October 2d and 14th, at 11 A.M., and at other times by special arrangement.

To Advanced Standing.

Every applicant for advanced standing, including graduates of Medicine from other Colleges, will be required (1) to present satisfactory evidence of having attended courses reasonably equivalent to those already attended by the class to which he seeks admission, and (2) to be examined in all the subjects in which the said class shall have been examined already; the examination to be held at the beginning or the end of the session, at the choice of the applicant.
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, including Special Instructions, ............. $150.00

N. B.—No reduction will be made on the above fees.

All fees are payable in advance—are not returnable nor transferable; promissory notes are under no circumstances accepted as payment; and no ticket is issued until full payment for the same has been made.

1 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 have attended five regular sessions in this College.

EXAMINATION FOR THE DOCTORATE.

The examination for the degree of M.D. is held at the close of the term of lectures. The examination, conducted by the Faculty—each Professor in his own branch—will be written or oral, or both. Students failing to reach the standard exacted for the degree of Doctor of Medicine may be credited as having passed on these branches in which they have shown proficiency, 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 final year, given on page 20, except those candidates who have been previously examined and passed under regulations then existing.

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 the final year in this College as a graded student of that year.

The examination for the degree of M.D. is held at the close of the term of lectures. The examination, conducted by the Faculty—each Professor in his own branch—will be written or oral, or both. Students failing to reach the standard exacted for the degree of Doctor of Medicine may be credited as having passed on these branches in which they have shown proficiency, 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 final year, given on page 20, except those candidates who have been previously examined and passed under regulations then existing.

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Room. In addition there is daily instruction in the wards or in the out-patient department by the Chief of the Clinic and his assistants.

**CLINICAL OPHTHALMOLOGY.**

The Ophthalmological Clinic will be held once a week at the Hospital by Professors De Schweinitz or Hansell. Practical instruction in Ophthalmoscopy and the anomalies of refraction will be given in the Eye Dispensary to third-year students in sections by the Professors or their assistants.

**CLINICAL LARYNGOLOGY AND RHINOLOGY.**

Professor Cohen gives a clinic on these subjects, and daily 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 daily 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 daily instruction in the out-patient department in this branch.

**CLINICAL NEUROLOGY.**

Professor Dercum gives a weekly clinic on Nervous Diseases, and daily 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 electro-therapeutics of nervous disorders.

**GENITO-URINARY DISEASES.**

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

**CLINICAL OTOLARYNGOLOGY.**

The course of Otology consists of clinical lectures by Dr. S. MacCuen Smith, and daily instructions 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 DaCosta and J. C. Wilson are members of the Staff. Clinical lectures are delivered in the Amphitheatre 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. Professor Davis and Dr. J. M. Fisher are on the Gynecological and Obstetrical Staff; Professor Stelwagon on the Dermatological Staff; Professor De Schweinitz on the Ophthalmological Staff; Professors Horwitz and Hearn and Dr. Barton on the Surgical Staff; Professor Dercum on the Neurological Staff; and Dr. Salinger and Dr. Ashton on the Medical Staff.

- **St. Joseph's Hospital.**—Professor Montgomery is Gynecologist 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 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 and Professor De Schweinitz are members of the
Staff, and will utilize the material for the illustration of their lectures.

Wills Eye Hospital.—This well-known and extensive hospital is within a convenient 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, any of the recognized specialities, have, therefore, admirable opportunities afforded them in these various hospitals and other medical institutions.

Clinical instruction in the hospitals of Philadelphia is free to the matriculates of the Jefferson Medical College.

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 and a lock-drawer containing all needed appliances.

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 diseases. The Practical Chemistry of the Bile and the Blood, the most approved methods of examining Urine, Analytical and Microscopic, are 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 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 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 microscopical anatomy of the various tissues and organs. This department is furnished with numerous microscopes and apparatus for embedding, freezing, and section-cutting. The class is divided into sections of fifty, and each student is supplied with a microscope.

A cabinet of 1000 typical 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 the Professor of Pathology in the Philadelphia and Jefferson Hospitals. 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 preparation of sections of morbid specimens, and the application of the microscope to pathological work in practical medicine, constitute a part of the instruction in this department.

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 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 two 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.

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 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 reproductive 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 Schultz's obstetric model, the method being that which was originated by Professor Winckel, of Munich, and which he has employed very satisfac-
torily for some years. These operations are directed by Professor Parvin in person. He will be assisted by Dr. A. B. Hirsh.

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 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 dressing, 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 required to perform on the cadaver, amputations, resections, ligations of arteries, trephining, tracheotomy, nerve sections, perineal section, 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.

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 microorganisms and by 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.

The course in Clinical Microscopy is under the direct supervision of the Demonstrator of Pathology. The course will include the examination of sputum, pus, blood, including the counting of blood corpuscles and the estimation of hemoglobin, etc., also a course in Urinary Microscopy.

SUMMARY OF THE REGULAR FOUR YEARS' COURSE.

The Graded Curriculum is arranged as follows, one year's allowance being made for a college biological or preparatory medical course:

FIRST YEAR.

Anatomy.—Four lectures and ten hours of dissection, including osteology, per week.
Normal Histology.—One demonstration and two hours' laboratory instruction per week.
Physiology.—One lecture and two demonstrations per week.
General Chemistry and Toxicology.—Two lectures and three hours of laboratory instruction per week.
Materia Medica and Pharmacy.—One lecture for half the session and one hour of laboratory work per week for the whole session.

Hygiene.—One lecture per week.

Pathological Anatomy.—Four lectures and ten hours of dissection, including osteology, per week.

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

Any student of a three years' course failing to pass his examination by the fifteenth of October, will be permitted to enter the corresponding class in a four years' course.

SECOND YEAR.

Anatomy.—Four lectures and ten hours' dissection per week.
Pathological Anatomy.—Two lectures and one post-mortem per week.

Pathological Histology.—One demonstration and laboratory work every two weeks.

Physiology.—Two lectures and one demonstration per week.

Medical Chemistry.—One lecture and two hours' practical instruction in Clinical Chemistry per week.
Therapeutics.—Two lectures per week.
Surgery.—Two lectures per week.
Symptomatology and Physical Diagnosis.—One lecture and one demonstration at the bedside per week.
Bacteriology and Clinical Microscopy.—One lecture and one demonstration per week.

Examinations will be held at the close of the term in Anatomy, Pathological Anatomy, Pathological Histology, Physiology, Nervous System, Special Senses, Reproduction, Medical Jurisprudence, Medical Chemistry, Symptomatology and Physical Diagnosis, Bacteriology and Clinical Microscopy.

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 third-year class.

Students failing in all the examinations at the end of this year will be required to take the second year's course a second time.

Any student of a three years' course failing to pass his examinations by the fifteenth of October, will be permitted to enter the corresponding class in a four years' course.

THIRD YEAR.

Pathology.—Two lectures one post-mortem and two hours in laboratory per week.
Medical Jurisprudence.—Two lectures in the latter half of the term per week.
Obstetrics and Diseases of Women.—Three lectures per week.
Practical Obstetrics.—One demonstration per week.
Therapeutics.—Two lectures per week.
Surgery.—Two lectures and one hour of class examination per week.
Clinical Surgery.—Two clinics of two hours each, per week.
Operative Surgery.—One demonstration per week.
Practice of Medicine.—Three lectures and two hours of class examination per week.
Clinical Medicine.—Two lectures per week.
Ophthalmology.—One lecture and one clinical instruction per week.

Examinations will be held at the close of the term in Pathology, Medical Jurisprudence, Obstetrics and Diseases of Women, Practical Obstetrics, Therapeutics, Surgery, Operative Surgery, Practice of Medicine, and Ophthalmology.

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 for half the year per week.
Clinical Gynecology.—One clinical lecture and one hour of bedside instruction per week.
Obstetrics and Diseases of Women.—Three lectures per week.
Clinical Obstetrics.—One hour of bedside instruction at the Maternity Department, and at least one case of labor to each student.
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 and one hour of practical instruction per week.
Clinical Otology.—One clinic and one hour of practical instruction per week.
Clinical Orthopedics.—One clinic and one hour of practical instruction per week.
Clinical Pediatrics.—One clinic and one hour of practical instruction per week.
Clinical Dermatology.—One clinic and one hour of practical instruction per week.
Clinical Neurology.—One clinic and one hour of practical instruction per week.
Clinical Genito-Urinary Diseases.—One clinic and one hour of practical instruction per week.
Electro-Therapeutics.—Section Work.
General Clinics, Medical and Surgical, at the Pennsylvania and Philadelphia Hospitals.

Examinations will be held, at the close of the term, in Special Therapeutics, Clinical Gynecology, Obstetrics, and Diseases of Women, Special Surgery, Practice of Medicine, Ophthalmology.

PRELIMINARY LECTURES.

Supplementing the regular Winter Didactic and Clinical Lectures there is a week of preliminary lectures. The preliminary lectures begin September 24th and continue one week.

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

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

THE GROSS STATUE.
The Faculty are very happy to say, that during the last year the efforts of the Alumni Association in conjunction with the American Surgical Association, have resulted in raising a sufficient sum for the erection of a statue of heroic size, to one who has long been venerated by Jefferson men—the late Prof. Samuel D. Gross.
Congress also made an appropriation for the erection of the pedestal. The statue will be a gift to the people of the United States, from the American Surgical Association and the Alumni Association of the Jefferson Medical College.
This will be the second bronze statue ever erected in this country in honor of a medical man; the first being that of Dr. J. Marion Sims, unveiled in the Autumn of 1894, in New York City. Both Dr. Sims and Prof. Gross were graduates of the Jefferson Medical College.

PRIZES.
The following Prizes are offered to the graduates of the Jefferson Medical College, to be conferred at the Annual Commencement, in 1896:

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 or the best examination on a subject pertaining to Physiology (open to undergraduates of the second year).
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 for 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.
No. 10. Clinical Gynecology Prize. By Professor Montgomery, a case of instruments for the best notes on his Clinics.
No. 11. 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.
No. 12. H. A. Hare Society Prize. By Prof. Hare, Fifty Dollars for the best examination on the part of a member of the H. A. Hare Society.
No. 15. Demonstrator of Anatomy Prize. By Dr. Addinell Hewson, a pocket case of instruments for the best record of anomalies made in the dissecting-room.
No. 20. Clinical Genito-Urinary Prize. By Professor Horwitz, Twenty-Five Dollars for the best notes on his Clinics.
No. 23. Clinical Otology Prize. By Professor S. MacCuen Smith, Twenty-Five Dollars for the best report of his Clinics.

TEXT-BOOKS.

FIRST YEAR.

Text-Books. Required.

Physiology.—Chapman.
Chemistry.—Withthaus or Bartley; Holland on the Urine, the Common Poisons, and the Milk.
Hygiene and Public Health.—Coxlin.
Anatomy.—Morris; Gray; Stirling's Histology.
Materia Medica.—Hare's Text-Book of Practical Therapeutics; Thornton's Prescription-Writing.

Taylor on Poisons.
Satter and Trimmer Medical and Pharmaceutical Chemistry.
Chapman's Medical Jurisprudence and Toxicology.
Quain.
SECOND AND THIRD YEARS.

Text-Books. Required.

Physiology.—Chapman.
Medical Jurisprudence.—Chapman.
Chemistry.—Withnau; Holland on The Urine, the Common Poisons, and The Milk.
Anatomy.—Morris; Gray.
Therapeutics.—Hare; Hayem's Physical and Natural Therapeutics.

Obstetrics.—Parvin.
Diseases of Women.—Winckel.
Clinical Gynecology.—Montgomery on Practical Gynecology.

Pediatrics.—J. Lewis Smith on Diseases of Children.
Pathology.—Green; Klein; Coplin's Notes on Pathology.
Practice of Medicine.—The American Text-Book of the Theory and Practice of Medicine.
Laryngology and Rhinology.—Cohen.
Dermatology.—Stelwagon's Essentials of Diseases of the Skin.
Neurology.—Ormerod.

Ophthalmology.—De Schweinitz; Hansell.
Medical Dictionary.—Dunglison; Duane.


Taylor's Medical Jurisprudence.
Neubauer and Vogel on The Urine.

Quain.
Hare's System of Therapeutics.


American Text-Book of Gynecology; Keating and Coe, Practical Gynecology; Garrigue's Diseases of Women.

Hamilton's Pathology.
Da Costa's Medical Diagnosis; Bartholow's Practice of Medicine; Strumpell's Practice of Medicine.

Crocker on Diseases of the Skin; Hyde on Diseases of the Skin.

Gowers' Diseases of the Nervous System.

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.

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.

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.

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.
SECOND YEAR.*

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* Subject to alteration.
GRADUATES.

At a Public Commencement, held at the American Academy of Music on the 9th of May, 1894, the Degree of Doctor of Medicine was conferred on the following gentlemen by Hon. Michael Arnold, of the Board of Trustees, after which the Valedictory Address to the Graduates was delivered by Professor Hobart A. Hare, M.D.

Alexander James Newton, Pa.
Austin, Lewis King, Me.
Baker, Regay Leslie (M.D.), Ill.
Barclay, John Judson, Jr., Ala.
Belknap, Virgil Clarence, Oregon.
Benscoter, Perry Hubler, Pa.
Boney, Neil Joseph, Canada.
Bowen, David Ralph, N. Y.
Boyce, Charles Harvey, Pa.
Brand, Walter William, Ohio.
Brick, Joseph Coles, Pa.
Browner, Frank, N. J.
Browner, Charles Johnson, Pa.
Burke, Patrick F., Pa.
Carson, David James (V. S.), Mont.
Chatterton, W. Winfred Arthur, Iowa.
Clementon, William Alexander, Pa.
Clewell, Clarence Henry, Pa.
Conboy, J. Philip (M.D.), Col.
Cook, Thomas Davis, Del.
Coons, Samuel Gamble, Pa.
Corney, Alfred, N. J.
Cover, O. Alvino (M.D.), Iowa.
Cox, Miley Edsine (M.D.), Wyoming.
Crawford, Herbert Pollock (B.S.), Pa.
Crawford, John Kinsier, Pa.
Cross, Otho Willoughby, Pa.
Cunningham, Charles, N. J.

Edwards, Edward (V. S.), Ohio.
Edwards, George Murray, Pa.
Edwards, Thomas Lewis, Ohio.
Faddis, Thomas McClellan, Pa.
Faust, Albert David, Pa.
Fly, Edward Monroe (A. M.), Minn.
Foehrenbach, Julius Emmanuel, Pa.
Fredericks, David Patterson, Pa.
Frisbie, Hiram Zebulon, Pa.
Gaylord, Charles Davis, Ky.
Goff, Waldo Percy, W. Va.
Good, Albert Parke, Pa.
Green, Edward Houghton, Pa.
Hagenbuch, James Henry (Ph. G.), Pa.
Hamilton, William Boyd (B.S.), Ore.
Handrick, Frank Aylesworth, Pa.
Hartford, P. Calvin (M.D.), Ohio.
Hassler, Samuel Freeman, Pa.
Hazel, Thomas Harold (Ph. G.), Pa.
Henyan, E. Lucas, N. J.
Hertzler, William Crooks, Ohio.
Hickey, Thomas Bernard, Pa.
Hirst, Levi Brook (Phi. G.), N. J.
Hoag, Harry Martin (B.S., M.D.), Iowa.
Hodgens, Isaac Walter, Pa.
Hoffecker, Robert Crockett (Ph. G.), Del.
Holmes, Benjamin Henry, Mass.  
Howard, Edward Winfield Scott, Pa.  
Huff, John Thompson (Ph.G.), N. J.  
Huff, Junius K., S. C.  
Huffman, George Washington, Iowa.  
Huffman, Obad. Layton (A. M.), Ohio.  
Hunt, Thomas Wordsworth, Kan.  
Irish, William Beckford, Pa.  
Johnson, Samuel, Jr., Tenn.  
Karr, George Muster, Ky.  
Kelly, Francis Joseph, Jr., Pa.  
Kenyon, Charles Lewis, Pa.  
King, Albert Hazlett, Pa.  
King, William Howard (A. B.), Pa.  
Knaip, William Henry (A. B.), Pa.  
Kolmer, John, Ind.  
Krape, Joseph Harman, Pa.  
Kriebel, Elmer G. (V. S.), Pa.  
Lane, Leonidas Polk (M. D.), Ga.  
Lee, Frank Alexander (M. D.), Iowa.  
Lethieau, Joseph Albert (M. D.), Me.  
Linz, Henri Philip (A. B.), Pa.  
Lippincott, Jesse Divert (Ph. G.), N. J.  
McClevey, John Samuel, Texas.  
McKee, Frank William, Wis.  
McMurray, Gerald Joseph, Pa.  
Mac Elree, George Anderson, Pa.  
Maier, Frederick Hurst (M. D.), Pa.  
Mangum, Charles Stapler (A. B.), N. C.  
Marbarger, George S. (M. E.), Pa.  
Martin, Joseph Marsh, Del.  
Martindale, Joseph Watson, Canada.  
Mellor, Thomas, Pa.  
Mesropian, Messiah (Rev.), Asia Minor.  
Metheny, Samuel Alexander  
Sterrett (A. B.), Pa.  
Millener, Frederick Hoyer, N. Y.  
Miller, Aaron Gable (Ph. G.), Pa.  
Miller, Emery, N. J.  
Mills, Frederick Hubbell, N. Y.  
Mohn, James Oliver, Pa.  
Moore, John Wesley Flick, Pa.  
Moore, Maurice Gardner (A. B.), Ind.  
Morris, John Knox (M. D.), Ky.  
Muzquiz, Juan Long, Mexico.  
Netherton, Samuel Oliver (Ph. G.), Pa.  
Noel, Joseph Roberts, Ill.  
Nunan, William Lawrence (D. V. S.), Pa.  
Osmun, Milton Mackey (Ph. G.), N. J.  
Painter, William Isaac, Va.  
Peralta, Maximilliano, C. Am.  
Pitts, Thomas, N. J.  
Powell, Barton Jerome, Nev.  
Pratt, John Lynn, Del.  
Prevost, Clarence Worrel, Pa.  
Price, Frederick Kirker, Ohio.  
Rabe, John Howard, Ohio.  
Rabethge, Charles Armand (M. D.), Pa.  
Rendleman, James Wheel (B. S.), Ill.  
Reynolds, Walter Forbyce (M. D.), Ill.  
Rich, Ezra Clark, Idaho.  
Robbins, Charles Pern, Iowa.  
Rosenberger, John Ashby, Cal.  
Rosenberger, Randle Crater, Pa.  
Ross, Joseph Herman, Pa.  
Rovno, Philip, Pa.  
Saulsberry, Charles Emmet, Ky.  
Saunders, John Welcome, R. I.  
Schaufelberger, Franklin (B. S.), Ohio.  
Scribner, John King, Pa.  
Simmons, Charles Columbus, Texas.  
Slifer, George Baringer, Pa.  
Smink, Alfred Harrison, Pa.  
Smith, Delos DeWitt (M. D.), Minn.  
Smith, Joseph Isaiah, Pa.  
Smith, Paul Caesar, Mo.  
Snyder, Alva Earl (Ph. G.), Ohio.  
Somerville, George Wallace (M. D.), Canada.  
Stevens, Selton Winfield, Pa.  
Strecker, Henry Anthony (B. A., B. S.), Pa.  
Thompson, John Lemuel, Pa.  
Thompson, Frank Frayer (Ph. G.), Pa.  
Timmons, Joseph McConnell (A. B.), Pa.  
Townsend, Milton Banes, Mo.  
Trexler, Jacob Franklin, Pa.  
Tucker, Henry, Pa.  
Turley, John Wesley, Mo.  
Van Horn, John William, Pa.  
Veasey, Benjamin Rammell, Del.  
Voss, Frederick John George (Ph. G.), Pa.  
Wallace, William, Pa.  
Watson, Stephen Sidney, N. Y.  
Winters, Frank Winfield, Pa.  
Witherspoon, Ambrose Henry, Ky.  
Wolfe, Samuel Melville, Pa.  
Yeomans, George Ellery, Pa.  
Zimmerman, Lorenzo Burton, Pa.  

Recapitulation.

Of the above there were from Pennsylvania, 80  
New Jersey, 10  
Ohio, 10  
Iowa, 6  
Kentucky, 5  
Delaware, 5  
New York, 4  
Illinois, 4  
Missouri, 3  
Canada, 3  
Indiana, 2  
Massachusetts, 2  
Maine, 2  
Oregon, 2  
South Carolina, 2  
Texas, 2  
Alabama, 1  
California, 1  
Total, 163

Prizes.

The following Prizes were awarded:—

1. A Gold Medal, for the best Essay on a subject pertaining to Physiology, to Joseph Herman Ross, of Pennsylvania.

2. A Gold Medal, for the best Essay on a subject pertaining to Surgery, to Frederick Hubbell Mills, of New York, for his laborious and comprehensive research.


7. A Gold Medal, for the best Essay on a subject pertaining to Pathology, to J. Coles Brick, of Pennsylvania.

8. A Gold Medal, for the best Examination in Therapeutics, to Charles Stapler Mangum (A. B.), of North Carolina, with Certificates of Honorable Mention to George William Wagner, Jr., of Michigan.


Hospital Appointments.

The following graduates of 1894 received Hospital appointments:

Jefferson Medical College Hospital.—Dr. W. J. McNaul, Dr. George W. Wagner, Dr. J. K. Crawford, Dr. H. Tucker, Dr. S. M. Wolfe, Dr. Ward Brinton. The substitutes were Dr. Max Peralta, Dr. J. Kolmer, Dr. W. B. Irish, Dr. J. R. Noel, Dr. J. L. Musquiz.

Pennsylvania Hospital, Philadelphia.—Dr. Ward Brinton.

Philadelphia Hospital.—Dr. William B. Irish, Dr. Henry Tucker, Dr. Wm. H. King.

Reading Hospital.—Dr. Alonzo Andrews.

St. Joseph's Hospital, Reading.—Dr. John Howard Rabe, Dr. John Kolmer.

New York Hospital.—Dr. J. I. Edgerton.

St. Francis Hospital, Pittsburgh, Pa.—Dr. J. W. Hodgens.

Western Pennsylvania Hospital, Pittsburgh.—Dr. J. K. Scribner.

National Military Home, Ohio.—Dr. Richard S. Gaugler.

Mercy Hospital, Pittsburgh.—Dr. W. A. Marsh.

Allegheny General, Allegheny City.—Dr. Wm. B. Irish.

St. Mary's Hospital, Philadelphia.—Dr. Joseph Herman Ross, Dr. Francis Joseph Kelly, Jr.

Cooper Hospital, Camden, N. J.—Dr. J. R. Noel.

Charity Hospital, Norristown, Pa.—Dr. J. D. Lippincott.

Moore Taylor Hospital, Scranton, Pa.—Dr. Wm. Wallace.

Elizabeth General Hospital, Elizabeth, N. J.—Dr. J. V. P. Turner.

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Students of the Third Year.

Allen, David E., . . . . Canada.
Allen, William Cline, . . . Pa.
Allman, Alfred Frederick, . . Pa.
Apple, Albert Alphonse, . . .
Aumwasser, Hugo W. (P't. G.), Ky.
Avard, Charles McQueen, . Canada.
Barnhardt, Charles Henry
(P't. B.), . . . . N. C.
Bellows, Charles E., . . . N. J.
Bermudez, Pedro Joaquin,
C. America.
Bicknell, Robert Cooke (M.D.), N. J.
Bingaman, Edwin Milton.
Birdsall, William George
(V. S.), . . . . Canada.
Birrilo, Francis A. (M. D.), Pa.
Bolz, Elias Kline (P't. G.), Pa.
Boon, William Marvyn Brownlee,
Kans.
Brackett, Arthur Stone (A.M.), Conn.
Braddock, Charles Shreve,
Jr. (P'h. G.), . . . . N. J.
Brewer, William (P'h. G.), . . N. J.
Briggs, Arthur A., . . . N. H.
Brooks, Allan Colby, . . .
Brooks, Frank Martin (M. D.), Ogn.
Brown, Adolph Gustave
(D. D. S.), . . . . N. Y.
Brown, Alexander Hugh
(V. S.), . . . . Minn.
Brown, William Alexander,
(V. S.), . Minn.
Burger, John Rudolph, . . Ind.

Caldwell, Lorenzo Dow, Jr.
(M. D.), . . . . W. Va.
Campbell, William Muse
(M. D.), . . . . Kan.
Clark, Cunningham P., . . Pa.
Clark, Oscar Donreath Fitzallen, . . Pa.
Cleborne, Koyne De Kirkbridge, . . Va.
Cook, Harry, . . Pa.
Copp, Edgar Mainland, . . Canada.
Cott, Paul Lange, . . Pa.
Cox, George Rudy (M. D.), Mo.
Craig, James Alexander, . . Iowa.
Cubbage, Samuel Thomas, . Del.
Curry, William (B. S.), . . Pa.

Davis, Alvah Ross, . . Del.
Dewees, Cornelius Smith, . Md.
Dexter, Henry Leone, . . Pa.
Dickson, Richard Ensign, . Pa.
Donnelly, Peter (A. B.), . . Ohio.
Dostor, Benjamin Robert, Jr., Ga.
Dubbs, Robert L. (P't. G.), N. J.
Dussan, Anibal Eustace
(M. D.), . . . . Columbia.

Elliott, Thomas (M. D.), . . Pa.

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Students of the First Year.

Abbott, James Herman, Pa. 
Abbrevon, Philip, Pa. 
Abrahams, Samuel Isa., Persia. 
Appleman, Leighton Francis, Pa. 
Balliett, Calvin Joseph, Pa. 
Barns, Charles Stewart, Ohio. 
Barnsdall, Frank Pierce, Pa. 
Barr, William Forse, Pa. 
Beaver, Frederick Wardlaw, Pa. 
Becker, Edwin Isaac, Neb. 
Benham, Sommers Kneal, Canada. 
Bennett, Samuel, N. J. 
Biddle, Philip George, Pa. 
Boehmer, George Henry, Ohio. 
Boren, Samuel Wesley, Ind. 
Bower, Forest Johnson, Pa. 
Bower, Herbert Keeley, Pa. 
Breanen, William Edgar, Pa. 
Brindle, Archie Clarence, Pa. 
Brindle, William George, Ohio. 

Brislin, James Edward, Pa. 
Brittingham, James Dirickson, Pa. 
Brown, David Albert (B. L.), Pa. 
Brown, Elmer Ellsworth, Pa. 
Brown, William Franklin, S. C. 
Burrows, John Allen, Pa. 

Campbell, Charles Alexander, Canada. 
Cheney, Millwood Cook, Pa. 
Chevigny, Henry Herbert, Mass. 
Colley, Brown, Pa. 
Conway, John Baptiste, Pa. 
Cooley, Judson Cassius, (A. B.), Pa. 
Cooper, John Andrew, Del. 
Crane, Charles Arthur, Ill. 
Crammer, Carl Bernhard, Pa. 
Cutshaw, Charles Cassidy, England. 
Cummings, Charles Clarence, Ind. 

Cunningham, George, N. J. 
Dare, Gilbert Dewitt, N. Y. 
Decker, Frederick Howard, N. J. 

Dougherty, James Christopher, Pa. 
Doyle, John James, Pa. 
Drum, George Frank, Pa. 
Dunkle, Gale Barr, Pa. 

Eglof, William, Pa. 
Ehl, John Morris, Pa. 
Emerson, Lynn, N. Y. 
Ensmere, Harry Smith, Me. 
English, Charles Frederic, Cal. 
Ericsson, Bror Otto, Sweden. 
Evans, Horace Gaylord, Pa. 

Fen, Elam Knott, Va. 
Findlay, William, Pa. 
Foulks, Wallace Scott, Ohio. 
Franklin, Samuel Burnett, Geo. 
Fraser, Hugh Daniel, Canada. 
Fretz, Jordan Raymond, Pa. 
Fulton, David Martin, N. Y. 
Funk, Joseph, Pa. 

Furman, Edwin, Jr., N. J. 

Gilmartin, John Lawrence, Ireland. 
Gordon, Alton, Islay, Pa. 
Grier, Robert, Pa. 
Griffith, Walter Huhn, Pa. 
Gutmann, Benjamin, N. J. 

Hagy, John Dobson, Pa. 
Haines, Willis P., Pa. 
Haie, Edward Aloysius, Pa. 
Hamman, George Alvan, Mo. 
Hamma, James Archibald, Pa. 
Hauk, Sylvester Aloysius, Pa. 
Hazel, Silas Metz, Pa. 
Heffner, Curtis, Pa. 
Heilin, E. Lee, Kty. 
Heiser, Victor George, Pa. 
Heller, James Herbert, Pa. 
Hennessey, Lionel Frank, (A. M.). 

Hofer, Clarence Andreas, N. J. 
Holder, Charles Adams, Pa. 
Hopkins, Scott Bruce, Iowa. 
Howe, Lewellyn Oscar, Pa. 
Huber, Russell E. L., Pa. 
Hunsicker, James Rittenhouse, Pa. 
Irwin, William, Pa. 
Jackson, Jon A., Ohio. 
Jacobs, Charles Druey, N. J. 
Jacob, Augustus Kent, Pa. 
Johnson, Syvert H., N. Dak. 
Johnston, Fred, Bremer, Tenn. 
Jones, Leighton Wherry, Pa. 

Keen, James Watt, Pa. 
Kembly, Charles Cochran, Pa. 
Kendall, William Harvey, Pa. 
Kennedy, Andrew Frederick, Pa. 
Ketterer, Philip Henry, N. Y. 
Kistler, Chester K., Pa. 
Kraft, John Charles, Pa. 
Kress, Frederick Charles, Pa. 
Landis, Henry Robert Murray, Ohio. 
Lebo, William Ellerslie, Pa. 
LeFever, Charles Wesley, Ohio. 
Lewis, Norman, Pa. 
Lockwood, George Bertrand, Me. 

McAdam, William Ralph, Iowa. 
McBee, John Madison, Tenn. 
McBurney, Charles Fred., Pa. 
McClanahan, Rice Kemper, Va. 
McCorkle, William Pyles, Pa. 
McCormick, John Aloysius, Pa. 
McIntosh, James William, Canada. 
McKiben, Alpheus (A. B.), Kty. 
McLaughlin, Patrick William, Mass. 
McMillan, William Thomas, Md. 
McMullen, Urish H., Pa. 
McNelly, Charles Mackin, Pa. 
Macready, John T., Pa. 
MacDowell, Samuel Ira, Pa. 
Madden, Theophilus Weeks, N. J. 
Magraw, George Thomas, Md. 
Mahon, Alfred Neale, Pa.
Schill, Francis George,   Pa.
Seiple, Thomas R.,       N. J.
Sharpe, Eugene Ballentine, Pa.
Shelton, Hanson Penn,     Ohio.
Shook, Joseph Henry,      Pa.
Smiley, Howard Miles,     Pa.
Smiley, Merideth J.,     Pa.
Smith, Charles Galen,     Pa.
Somers, Milton LeRoy,     N. J.
Spitz, Gladfelter Emanuel, Pa.
Swartslander, Joseph Rankin, Pa.
Taylor, Frank Herbert,    Pa.
Teller, Howard Jay,       N. Y.
Thatcher, Harry Dean,     N. J.
Thayer, Royal Westcott,   W. Va.
Thomas, Ebenezer W.,      Pa.
Thomas, Velorus A rby,    Pa.
Thomason, William Paul    Ind.
Thorne, Will Mckee, Mo.
Traver, Samuel Nisley,    Pa.
Trimmer, Epaenetus Luther, N. Y.
Truitt, George W.,       Pa.
Urmson, Allan Walker,     Pa.
Wagner, Earl Euearn,      Pa.
Wagner, John J.,       Pa.
Watt, Robert,            Pa.
Weaver, Andrew A.,       Mass.
Webb, George Leon,       Pa.
Weeber, George Sloumch,  Ind.
Wiggins, Edward Harvey,  Pa.
Williams, Charles M.,    N. J.
Winmer, Seth,            N. Y.
Woods, Abraham Lincoln,  N. J.
Woodside, Harry Addison, Pa.
Young, George,           Pa.

Becker, Theodore,       Pa.
Bohn, Carl Henry (Ph. G.), Pa.
Bosianu, Lazar D.,         Roumania.
Chalfant, William Windele (Ph. G.), Pa.
Gandy, Raymond Reeves,    Pa.
Green, Howard Lee (Ph. G.), Pa.
Jens, Horace Howard,      Pa.
Krause, Alfred Edward (Stud. D. S.), C. America.
McKee, Joseph (Ph. G.),     Pa.
Overpeck, John Raymond,    Pa.
Parkin, Edwin Harris,     Pa.
Patterson, Edgar Hall, Pa.
Byer, Howard F. (Ph. G.), N. Y.

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Special Students.

Richter, Edward (Ph. G.),    N. Y.
Schall, David Horace, Jr., Pa.
Seary, W. Nottson (Ph. G.), Pa.
Shalcross, William Gooding (Ph. G.), N. J.
Sprenger, William Alfred (Ph. G.), N. J.
Swartz, Charles Miller, Pa.
Tracy, George Thomas, Pa.
Turner, Philip Percy (Ph. G.), Pa.
Vansciver, John Nathaniel L., N. J.
Wiliams, George Thomas (Ph. G.), N. J.
Worthen, John Henry (Stud. D. S.), N. H.

Summary.

Students of the third year,      229
Students of the second year,    237
Students of the first year,      219
Special students,              26
Total,                              711

In addition to the above, there were 16 students registered at the beginning of the term whose names have been omitted because of absence.

Recapitulation.

Pennsylvania, 412
New Jersey,  49
North Carolina, 8
Ohio,  21
Connecticut, 7
Texas,  5
Washington, 2
Mississippi, 2
Arkansas, 2
Oregon, 2
Persia, 2
Egypt, 2

New York,  17
Massachusetts, 17
Canada,  16
Delaware, 12
Maine, 12
Indiana, 11
West Virginia, 9
Iowa,  9
Illinois,  8
California, 8
Missouri, 8
Maryland, 8
Virginia, 4
Kentucky, 4
Minnesota, 4
Nebraska, 3
South Carolina, 3
Georgia, 3
Tennessee, 3

Pennsylvania, 412
Total, 711
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, the following officers were elected for the ensuing year:

-President.—Dr. E. E. Montgomery, of Philadelphia.
-Vice Presidents.—Drs. J. C. Wilson, J. M. Barton, A. H. Hulshizer, and John C. Da Costa, of Philadelphia; Dr. E. L. B. Godfrey, of Camden, N. J.; Dr. Thomas Addis Emmet, of New York; Dr. M. L. James, of Richmond, Va.; Dr. J. A. Lippincott, of Pittsburgh, Pa.; Dr. John Fay, of Altoona, Pa.; Dr. S. L. Kurtz, of Reading, Pa.; Dr. Joseph R. Weaver, of Norristown, Pa., and Dr. Robert Battey, of Rome, Ga.

-Corresponding Secretary.—Dr. Richard J. Dunglison.
-Recording Secretary.—Dr. Orville Horwitz.
-Treasurer.—Dr. E. L. Vansant.

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 Saturday 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, 1929 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.