1894

The Jefferson Medical College of Philadelphia and its Hospital 70th Annual Announcement: Session of 1894-95 and Register for 1893-94

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The Jefferson Medical College of Philadelphia and its Hospital

Register for 1893-94

70th Annual Announcement

Session of 1894-95
BOARD OF TRUSTEES.

Hon. Edwin H. Fitler,  
President.

George W. Fairman,  
Secretary.

Edward H. Weil,  
Treasurer.

George W. Fairman,  
Hon. Joseph Allison, LL.D.,
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.

CALENDAR.

1894.

September 24th  . Registration for Reserved Seats by Student's Personal Signature. Book Opened This Day.

September 24th  . Preliminary Lectures Begin.

Sept. 24th and Oct. 2d  . Entrance Examination, 11 a.m.

October 1st  . Regular Session Begins. Introductory Lecture, 8 p.m.

October 2d and 13th  . Entrance and Grading Examinations, 11 a.m.

Thanksgiving Day  . Holiday.

December 22d  . Christmas Recess Begins, 6 p.m.

Christmas Recess.

1895.

January 2d  . College Work Resumed, 9 a.m.

February 22d  . Washington's Birthday.

Good Friday  . Holiday.

April 23d  . Close of Lectures.

April 24th  . Final Examinations Begin.

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. 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. 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., 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 Materia Medica, Therapeutics, 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. 1715 Walnut Street.

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

At the College Building, Tenth St., bet. Walnut and Chestnut, Philadelphia.
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.
J. CHALMERS DA COSTA, M.D., Demonstrator of Surgery.
E. Q. THORNTON, M.D., Demonstrator of Therapeutics, Pharmacy, and Materia Medica.
W. M. LATE COPLIN, M.D., Demonstrator of Pathological Anatomy and Curator of the Museum.
THOMAS J. ASHTON, M.D., Demonstrator of Clinical Medicine.
CHARLES S. HEARN, M.D., Demonstrator of Normal Histology.

INSTRUCTORS AND ASSISTANT DEMONSTRATORS.

J. M. FISHER, M.D., Instructor in Gynecology.
W. S. JONES, M.D., Instructor in Laryngology.
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 Hygiene and the Microscopic Examination of the Sputum.
D. B. KYLE, M.D., Instructor in Examination of the Blood.
E. W. TULLY, M.D., Instructor in Bandaging.
MAX BOCHROCH, M.D., Instructor in Electro-Therapeutics.
ALBERT N. JACOB, M.D., Assistant Demonstrator of Chemistry.
J. W. WEST, M.D., Assistant Demonstrator of 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.
GEORGE H. MAKUEN, M.D., Assistant Demonstrator of Anatomy.
JOHN LINDSAY, M.D., Assistant Demonstrator of Anatomy.
W. A. R. VANNEMAN, M.D., Assistant Demonstrator of Anatomy.
W. H. WELLS, M.D., Assistant Demonstrator of Clinical Obstetrics.
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.
H. R. LOUX, M.D., Assistant Demonstrator of Surgery.
L. E. BENNETT, M.D., Assistant Demonstrator of Surgery.
W. L. PEPPER, M.D., Assistant Demonstrator of Surgery.
H. W. HASSELL, M.D., Assistant Demonstrator of Surgery.
GEORGE W. SPENCER, M.D., Assistant Demonstrator of Surgery.
GEORGE H. WEST, M.D., Assistant Demonstrator of Histology.
ROBERT R. SAUNDERS, M.D., Assistant Demonstrator of Histology.
J. R. RUGH, M.D., Assistant Demonstrator of Pathology.
H. E. WILEY, M.D., Assistant Demonstrator of Hygiene.
HARRY STRECKER, B.S., Assistant Demonstrator of Chemistry.
A. H. BREMER, Assistant Demonstrator of Chemistry.
J. C. DA COSTA, Jr., Assistant Demonstrator of Surgery.
E. J. CHASSAGNE, M.D., Assistant Demonstrator of Clinical Medicine.

JEFFERSON MEDICAL COLLEGE HOSPITAL.

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 Materia Medica, Therapeutics, and Hygiene.
JAMES C. WILSON, M.D., Professor of Practice of Medicine and Clinical Medicine.
E. E. MONTGOMERY, M.D., Professor of Clinical Gynecology.
WILLIAM THOMSON, M.D., Honorary Professor of Ophthalmology.
J. SOLIS COHEN, M.D., Honorary Professor of Laryngology.

CLINICAL PROFESSORS.

HENRY W. STELWAGON, M.D., Clinical Professor of Dermatology.
H. AUGUSTUS WILSON, M.D., Clinical Professor of Orthopedic Surgery.
EDWIN E. GRAHAM, M.D., Clinical Professor of Diseases of Children.
F. X. DERCU, M.D., Clinical Professor of Diseases of the Nervous System.
G. E. DE SCHWEINITZ, M.D., Clinical Professor of Ophthalmology.
ORVILLE HORWITZ, M.D., Clinical Professor of Genito-Urinary Diseases.

HOSPITAL STAFF.

W. JOSEPH HEARN, M.D., J. M. BARTON, M.D., Surgeons.
CHARLES WIRGMAN, M.D., Physician.
PROF. H. AUGUSTUS WILSON, M.D., Orthopedic Surgeon.
JOHN C. DA COSTA, M.D., Gynecologist.
LAURENCE TURNBULL, M.D., Aural Surgeon.
PROF. MORRIS LONGSTRETH, M.D., Pathologist.
HENRY LEFFMANN, M.D., Pathological Chemist.

RESIDENT PHYSICIANS. (Class of 1893)

WILMER KRUSEN, M.D., JESSE WATSON HIRST, M.D., GEORGE W. HUEBNER, M.D., FRANCIS ANNIBALE BIRRILO, M.D., THOMAS LEIDY RHoads, M.D., PATRICK A. SMITH, M.D.

SUBSTITUTES.

WALTER NELSON SEDGWICK, M.D., WM. GEORGE RAMSEY, M.D., MARTIN BUEL TINKER, M.D.

Superintendent of the Hospital, PROF. E. E. MONTGOMERY, M.D.
Assistant Superintendent of the Hospital, GEORGE E. BAILY, JR.
Directress of Training School, MISS EUFFIE DARLING.
HOSPITAL DISPENSARY STAFF.

MEDICAL.

JULIUS L. SALINGER, M.D., THOMAS G. ASHTON, M.D., Chief Clinical Assistants.


SURGICAL.

A. HEWSON, M.D., J. CHALMERS DA COSTA, M.D., Chief Clinical Assistants; HENRY KNOX, M.D. and IRVIN E. BENNETT, M.D., Etherizers; STRICKER COLES, M.D., Reporter.

Clinical Assistants—MARTIN H. WILLIAMS, M.D., W. A. VANNEMAN, M.D., C. H. RECKEFUS, M.D., GEORGE W. SPENCER, M.D., HENRY HASENPLUG, M.D., W. J. GILLESPIE, M.D., ROBT. J. DENGLER, M.D.

OBSTETRICAL.

W. H. WELLS, M.D., and the staff of interns.

GYNECOLOGICAL.

W. S. JONES, M.D., Chief Clinical Assistant.

Assistants—FRANK WOODBURY, M.D., G. B. TULLIDGE, M.D., E. S. COBURN, M.D., J. TORRANCE RUGH, M.D.

OTOLOGICAL.

S. MACCUEN SMITH, M.D., Chief of Clinic.

Assistants—E. L. KLOP, M.D., HUGH HANNA, M.D.

ORTHOPEDICAL.

J. P. MANN, M.D., J. T. RUGH, M.D., Chief Clinical Assistants.

Assistants—J. P. BOLTON, M.D., CHAS. HEARN, M.D., R. T. GRIMES, M.D., G. H. WEST, M.D., W. C. MITCHELL, M.D., A. GUSTAF GEFVERT, Mechanician.

DISEASES OF CHILDREN.

C. F. PETTIBONE, M.D., Chief Clinical Assistant.

Assistants—F. K. BROWN, M.D., R. E. MULLER, M.D., H. W. HASENPLUG, M.D., A. H. WURTELE, M.D.

DERMATOLOGICAL.

J. ABBOTT CANTRELL, M.D., Chief Clinical Assistant.

Assistants—DILLON DRAKE, M.D., WILSON BOWERS, 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.

GENITO-URINARY.

H. R. LOUX, M.D., Chief Clinical Assistant; BENJAMIN VANSANT, M.D., Registrar; J. LEWIS BORSCH, M.D., Etherizer.

Assistants—JOSEPH MALATESTA, M.D., JOSÉ PERALTA, M.D.
in the special clinics, Gynecological, Ophthalmological, Laryngological, Aural, and Orthopedic, 88,250 patients; Medical Diseases, including cases in the special clinics, Neurological, Dermatological, and for children, 40,332 patients. These, added to the 20,408 patients treated in the wards, make in all 150,552 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 2189, and in the out-patient service 11,914 were treated.

In addition to the rooms in which the classes are taught in sections, and in which they have the opportunity of examining cases and are instructed in clinical medicine and other practical branches, there is a large 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 327 Pine 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 three 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, Chemistry, Physiology, Pathology, Anatomy, Medical Jurisprudence, and Hygiene. In the laboratories special instruction is given in Physiology, Chemistry, 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.

FOUR YEARS' COURSE.

All persons beginning their medical studies by matriculation after June 1, 1895, must take four annual courses.

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 25th and October 3rd and 14th, at 11 A.M., and at other times by special arrangement.

To the Second-Year Class.

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

To the Third-Year Class.

Any student who has taken two or more courses at another accredited Medical College desiring to be graded as a third-course 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 class in all branches, but will be required to pass an examination in Human Anatomy on entering, or at the end of the third year in addition to the third-year branches. They will also be required to dissect.

To the Fourth-Year Class.

No student or graduate is admitted to this course without showing evidence of attendance on at least three courses of lectures and satisfactory evidence of having passed examinations on the subjects included in these years of study. Students who matriculate after June 1, 1895, will be required to take four annual courses.

EXAMINATION FOR THE DOCTORATE. 1

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 those 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 third year, given on page 21, 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 at least three regular sessions of lectures, no two of which shall have been in the same twelve-month, and 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 and Medical Jurisprudence, Surgery, Practice of Medicine, Obstet-

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 four regular sessions in this College.
Any regular graduate of Medicine will receive the privileges of the third year, without final examination for the degree in Medicine, for $70. If he desires, in addition, to pass the final examination and take his degree, the fee for the diploma will be $30.

To graduates of approved Dental Colleges (taking two courses in the Jefferson Medical College) the fees for the second year are $80, and for the third year are $140; and of Colleges of Pharmacy the fee for a general ticket is $140 for the second year, and for the third year $140.

The fee for the fourth-year course is $140.

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.

CLINICAL INSTRUCTION.

Clinical teaching has always been an important feature of this College, in which, indeed, systematic clinical methods were first inaugurated in this country.

CLINICAL MEDICINE.

The Medical Clinics are held by Professors Wilson or Hare twice a week.

Bedside instruction in Clinical Medicine is also given by Professors Wilson and Hare and their assistants daily at the Hospital to small sections of the class. The course is illustrated by the ample material of the wards and daily clinic. Each student is thus made familiar with practical medicine. The success attending this method of instruction at previous sessions encourages the hope of the best results from its continuance.

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 daily.

CLINICAL SURGERY.

The General Surgical Clinic of the Jefferson Hospital is held by Professors Brinton, Forbes, or Keen twice a week. Instruction is also given in the Surgical Dispensary and in the wards by the Professors named, or by their assistants. Professor Horwitz and Drs. Hearn and Barton will also give instruction in Clinical Surgery in the clinics or wards of the Philadelphia Hospital.

CLINICAL OBSTETRICS.

A course in Practical Manipulative Obstetrics is given on the manikin or cadaver at the College. The Maternity Department, at 321 Pine Street, a branch of the Jefferson Hospital, also enables the Professor and Demonstrator of Obstetrics to give bedside instruction in this subject. Each member of the class under the direction of a Demonstrator is provided with cases of confinement. Instruction is also given at the Philadelphia Hospital in the maternity wards by Drs. Davis and West.

CLINICAL GYNECOLOGY.

The course in Clinical Gynecology consists in the General Gynecological Clinic by Professor Montgomery and in attendance upon operations and examinations in the Private Operating Room. In addition there is 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 Thomson or De Schweinitz. 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 daily 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. One of the clinical assistants also gives instructions 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 OTOLOGY.

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

ADDITIONAL HOSPITAL-TEACHING FACILITIES.

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

The Pennsylvania Hospital is situated in the vicinity of the College. The field for instruction in acute diseases and surgical injuries is very large. The students of Jefferson College, by reason of the proximity of the College to the Hospital and its immense resources for the illustration of all forms of diseases and accidents, have peculiar advantages. Professor Longstreth is a member of the Staff.

The Philadelphia Hospital.—This extensive hospital of 1,900 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 Montgomery, Drs. Davis, McKelway, and West are on the Gynecological and Obstetrical Staff; Professor Stelwagon and Dr. Cantrell on the Dermatological Staff; Professor de Schweinitz on the Ophthalmological Staff; Professor Horwitz and Drs. Hearn and Barton on the Surgical Staff; Professor Dercum on the Neurological Staff; and Drs. Vansant and Salinger on the Medical Staff; Professor Coplin is Pathologist to the Hospital.

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 specialties, 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, and 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 ferment, 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 microscopic anatomy of the various tissues and organs. This department is furnished with numerous microscopes and apparatus for imbed-
ding, 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 Professor 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 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.

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 satisfactorily for some years. These operations are directed by Professor Parvin in person.

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 dressings, which they are individually required to apply.

Each student is taught the use of the hypodermatic 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, 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.

GRADED CURRICULUM.

The Graded Curriculum is arranged as follows, no allowance being made for home studies in the three-years course.

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

FIRST YEAR.

The studies of the first year are as follows:

Anatomy and Histology, Institutes of Medicine (the instruction in this department consists in lectures, once a week, supplemented by illustrative demonstrations, twice a week, upon the subjects of food digestion, absorption, blood circulation, respiration, animal heat, excretion), 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 branches before the fifteenth of the following October before entering the second-year class. Students failing in all the examinations at the end of the year will be required to take the first year’s course a second time.

SECOND YEAR.

The studies of the second year are as follows:

Anatomy and Topographical Anatomy, Institutes of Medicine and Medical Jurisprudence (the instruction consists, till February 22d, in lectures twice a week, supplemented by illustrative demonstrations once a week, upon the subjects of the nervous system, special senses, and reproduction, and after February 22d in lectures supplemented by examinations upon 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 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.

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, Gynecology, Pathology, Therapeutics, and Clinical Medicine and ward classes in Ophthalmology, Laryngology, Gynecology, Otology, Orthopedics, Pediatrics, Dermatology, Neurology, and Electro-Therapeutics. At the end of this year there will be a final examination in Practice of Medicine, including diseases of the Skin and Throat and Nervous System; Surgery, including diseases of the Eye, of the Ear, and Orthopedic Surgery; Obstetrics, Gynecology, Therapeutics, and Pathology.
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 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.

**Surgery.**—Practical Bedside and Operative Instruction is given at the Orthopedic Hospital by Professor Keen, at the Philadelphia Hospital by Dr. Hearn and Professor 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 Stelwagon 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.**—Drs. Davis, McKelway, and West 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.**—Professor de Schweinitz will give instruction at the Children's Hospital and at the Orthopedic and Philadelphia Hospital.

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

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**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 1894:

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.

No. 9. Alumni Prize. One Hundred and Fifty Dollars, for the member of the graduating class having the best general average for Scholarship.

**TEXT-BOOKS.**

**FIRST YEAR.**

**Text-Books. Required.**

- *Physiology.*—Chapman.
- *Chemistry.*—Withaus; Holland on the Urine, the Common Poisons, and the Milk.
- *Hygiene and Public Health.*—Coplin and Bevan.
- *Anatomy.*—Morris or Gray; Stirling's Histology; Holden's Dissector, by Hewson.
- *Materia Medica.*—Hare's Text-Book of Practical Therapeutics; Thornton's Prescription-Writing.

**Text-Books. Not Required.**

- Chapman's Medical Jurisprudence and Toxicology, Quain. Morris.
- Taylor on Poisons.
SECOND AND THIRD YEARS.

**Anatomy.**—Morris or Gray; Holden’s Dissector, by Hewson.

**Surgery.**—An American Text-Book of Surgery.

**Obstetrics.**—Parvin.

**Diseases of Women.**—Winckel.

**Clinical Gynecology.**—Montgomery on Practical Gynecology.

**Pediatrics.**—J. Lewis Smith on Diseases of Children.

**Pathology.**—Green; Klein.

**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

**Neurolgy.**—Ormerod.

**Ophthalmology.**—De Schweinitz.

**Medical Dictionary.**—Dunglison.

Taylor’s Medical Jurisprudence, Neubauer and Vogel on The Urine.

Quain.

Hare’s System of Therapeutics; Bartholow’s Medical Electricity.

Billroth’s Surgical Pathology; Gross, Surgery.


Da Costa’s Medical Diagnosis; Bartholow’s Practice of Medicine.

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

Gowers’ Diseases of the Nervous System.

ORDER OF LECTURES AND PRACTICAL INSTRUCTION.

FIRST YEAR.

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SECOND YEAR.

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<td>4</td>
<td>Medical Clinic.</td>
<td>General, urinary Clinic.</td>
<td>Medical Clinic.</td>
<td>Medical Clinic.</td>
<td>Eye Clinic.</td>
<td>Pathological Anatomy.</td>
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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, and 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.
THIRD AND FOURTH YEARS.

WEDNESDAY.

Ophthalmological Clinic. O. of P. in Ophthalmology.

Surgical Clinic at Pennsylvania Hospital.

TUESDAY.

Surgical Demonstrations and Examinations.

10 EXAMINATION in the Practice of Medicine.

9 or C. Oph. Dep.

MONDAY.

11 SICK CALL CLINIC. [H. or K. front row.]

Surgery.

10 GENERAL CLINIC. [K. or E. front row.]

Surgery.

9 or C. Oph. Dep.

THIRD YEAR SUPPLEMENTARY ROSTER. 1893-94.

FROM NOV. 20 TO JAN. 8.

FRI.

SAT.

MON.

TUE.

WED.

THU.

FRI.

SAT.

11 FROM JAN. 8 TO FEB. 19.

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On the 2d of May, 1893, the degree of Doctor of Medicine was conferred on the following gentlemen by the Honorable Edwin H. Titler, President of the Board of Trustees.

Aichner, Oscar Fred (M.D.) Pa.
Andre, Simeon Nicholas Pa.
Ashburn, Percy Moreau Ohio.
Badeer, Sarkis Syria.
Baird, Howard Grant (M.D.) Kan.
Barrillson, Benjamin Matthias Pa.
Baumgartner, William Jacob Pa.
Bartilson, Benjamin Matthias Pa.
Baird, Howard Grant (M.D.) Kan.
Baer, John Richard Pa.
Baer, John Richard Pa.
Baer, John Richard Pa.
Baer, John Richard Pa.
Baer, John Richard Pa.
Baer, John Richard Pa.
Bodenstab, William Henry Wis.
Black, Judson Harmon (PH.G.) Pa.
Biehn, Andrew Clymer Pa.
Bennett, John Henry (M.D.) Pa.
Bennett, William Robert Pa.
Bickell, Ulysses Grant Pa.
Biehn, Andrew Clymer Pa.
Birriolo, Francis Annibale Pa.
Black, Judson Harmon (M.D.) Ohio.
Bodenstab, William Henry (B.A.) Wis.
Borsch, Thomas Levis, Jr. Pa.
Botskin, Amos Watts (M.D.) Oregon.
Bowman, Charles Stewart Pa.
Braddock, Arthur Franklin Cal.
Britt, Albert Jerome Pa.
Brown, Harry Cox India.
Bullard, John William (M.D.) Neb.
Burton, William Darwin Del.
Busey, Charles (M.D.) Ind.
Butterworth, Francis James (M.D.) Pa.
Canon, Robert Taylor Texas.
Carrier, Frank Nathan Pa.
Carrow, Joseph Del.
Casey, Thomas Daniel Pa.
Chaffin, William Wamach Va.
Chassagne, Eugene J. (M.D.) D. C.
Church, Nathan William Pa.
Cohn, Henry W. Pa.
Coleman, James William Pa.
Cori, Harvey Elmer Ohio.
Corrigan, William Hilary Pa.
Craig, Thomas Gilchrist (A.B.) Oregon.
Craig, Clark Rankin (Ph.G.) Ohio.
Cunningham, Daniel Henry Minn.

Davis, Medus Monroe Pa.
Dickinson, George Standish Pa.
Duke, Casper (M.D.) N. Y.
Dunn, Albert Franklin Pa.
East, Albert Franklin Pa.
Eills, Lyman Miles Iowa.
Farrell, Francis Albert Pa.
Ferguson, Benjamin Bassett Del.
Fix, Ira NickloPa.
Gallagher, Joseph Francis Pa.
Gardiner, Sheridan Ellsworth N. Y.
Geissendorfer, John Alexander (M.D.) Oregon.
Gerhard, Samuel Pilgrim (M.D.) Pa.
Gery, Alfred Oliver (M.B.) Pa.
Geulick, Frank Wallace Pa.
Godman, Isaac Pa.
Graver, Edward Pa.
Green, Peter Charles Pa.
Grier, Clarence Russell Del.
Hain, Leonard G. Pa.
Hamley, Francis Joseph R. I.
Hare, Hobart Amor (M.D.) Pa.
Harr, William Henry Maine.
Heilberg, Adolph Oscar Minn.
Helmich, Henry Pa.
Herko, Samuel Elijah Pa.
Hess, J. Bruce (M.D.) Pa.
Hubbard, John Parkinson, Jr. (M.A.) Pa.
Huehner, George William Pa.
Hug, Edward Victor Ohio.

Hunting, William Henry Pa.
Hunter, Herbert Kingsley England.
Hunter, Joseph William Ohio.
Hutchins, Adrian Albertus. Ohio.
Issenberg, Joseph Lloyd Pa.
Jacob, James Francis Pa.
Kain, William Wilkins (Ph.G.) N. J.
Kalbacb, Isaac Irwin Pa.
Kastner, William Henry Pa.
Kiley, Frank Love Pa.
King, Hiram Orville Pa.
Kiley, William Ellis Canada.
Kleissberger, William George Del.
Klemmer, William Nickolaus Germany.
Klotz, Robert Bertram Pa.
Kusen, Wilmer Pa.
Lacey, James Henry (M.D.) Col.
Luster, George Edgar (M.D.) Ill.
McDaniel, Edward Bruce (M.D.) Oregon.
McGehee, James McMeekin Pa.
McGregor, Andrew Canada.
McKee, George B. (M.D.) Pa.
McKenzie, William White N. C.
Maddock, Louis Oregon.
Means, Robert Markle Del.
Meissell, Edwin Wesley Pa.
Mets, John Pancoast Pa.
Miller, William Haman (Ph.G.) Del.
Moore, Lynford Gardiner N. C.
Moukaddim, Hammoud Syria.
Mullen, Joseph Aloysius Pa.
Mullen, Robert G. Switzerland.
Murdoch, James Hutton Pa.
Murdock, John Floyd Pa.
Murray, John Arthur (M.D.) Pa.

O’Donnell, Hugh Boyle Ireland.
Oyer, Harry Wulrich Pa.
Patterson, Louis Greenlee (D.V.M.) Iowa.
Pearson, Edward James Del.
Pessi, Frank David (Sy.) N. D.
Peralta, José Maria (D.V.S.) C. Am.
Piering, Amos Vantine Pa.
Pike, George Irving (M.D.) Mo.
Pope, Marcella Yates Ark.
Powell, George Perry Neb.

Ramirez, Leopoldo M. C. Am.
Ramsey, William George Pa.
Redlin, Albert Augustus Pa.
Reed, John Orlando Pa.
Renschler, Harry Flesher Pa.
Beau, Charles George (M.D.) Wis.
Rhoads, Thomas Leidy Pa.
Rich, Edward Israel Idaho.
Rits, Reinhardt Joseph Pa.
Rogers, Ezra T. Texas.
Rush, Warren Blanchley (Ph.G.) Fla.

Sallade, Frank Reed Pa.
Sargent, Albert Alonzo Maine.
Savitsky, Joseph Adam Russia.
Scholl, Harvey Frederick Pa.
Segal, Bernhard Pa.
Sheeder, Benjamin Franklin (A.B.) Ohio.
Shrader, Edwin Elmer Minn.
Smith, George Hartford (M.D.) Iowa.
Smith, Patrick Albert Canada.
Sommer, Henry, Jr. Wis.
Sorensen, Soren Wis.
Speer, Henry Newton Pa.
Stover, Isaac Francis Pa.

Targett, Archibald Frederick N. J.
Thomas, Harry Leedon Pa.
Tinker, Martin Duell M. N. C.
Toner, Mark Ferdinand Pa.
Tryon, Lewis Royer N. J.
Turner, Oliver William (A.B.) Maine.
Walton, Joseph Henry Iowa.
Wamsley, James Winter (Ph.G.) N. J.
Ward, Nathan Gideon N. C.
Ward, Percy Hall (Ph.G.), N. Y.
Welling, Luther Stuart (B.A.) Pa.
White, Jonas Samuel Pa.
Whitney, Walter Everett Maine.
Whitten, Jarvis Adams Pa.
Wilde, John R. N. Y.
Williams, John Henry (Ph.G.) Pa.
Williams, Robert Johnston N. C.
Winder, Laurence Johnson Pa.
Wingender, Wendell Phillip Pa.
Wintermute, George Preston Wash.
Wurtele, August Herman Pa.
Wyeth, Charles (M.D.) Ind.

Yacoubi, Hazarabed Boghos (M.D.) Asia Minor.
Yenser, William Albert Pa.
Recapitulation.

Of the graduates there were from—

Pennsylvania 105
Ohio 7
Indiana 6
Oregon 4
New Jersey 4
North Carolina 4
Iowa 4
New York 4
Wisconsin 3

Total 185

PRIZES.

The following prizes were awarded to the graduates of 1893:


4. A Gold Medal, for the best examination in Therapeutics, to Andrew Clymer Blein, of Pennsylvania, with Certificates of Honorable Mention to William George Kleinstuber, of Delaware, and Wilmer Krusen, of Pennsylvania.

5. A Gold Medal, for the best essay on a subject pertaining to the Practice of Medicine, to Rodolph Emile Miller, of Switzerland, with a Certificate of Honorable Mention for the essay of Peter Charles Green, of Pennsylvania.

HOSPITAL APPOINTMENTS.

The following graduates of 1893 have received hospital appointment:

Jefferson Medical College Hospital.—Dr. Wilmer Krusen, Dr. Jesse Watson Hurst, Dr. George William Huebner, Dr. Thomas Leidy Rhoads, Dr. Asa Holt Rogers. Substitutes are Dr. Francis Annibale Birriolo, Dr. Walter Nelson Sedgwick, Dr. William George Ramsey, Dr. Patrick Albert Smith, and Dr. Martin Buel Tinker.

Philadelphia Hospital.—Dr. E. V. Hugg and Dr. W. G. Kleinastuber.

Howard Hospital.—Dr. P. A. Smith.

Polyclinic Hospital.—Dr. L. L. Moore.

Presbyterian Hospital.—Dr. J. S. White and Dr. P. M. Ashbourn.

Germantown Hospital.—Dr. I. F. Stover, substitute.

At the competitive examination for Resident Physician at St. Agnes Hospital, Dr. Thomas Leidy Rhoads, of Jefferson, had the highest mark; Dr. Francis Annibale Birriolo, of Jefferson, was third; and Dr. Charles Stuart Bowman, of Jefferson, was fourth.

West Penn Hospital, Pittsburg.—Dr. James H. Murdoch.

St. Francis Hospital, Pittsburg.—Dr. Frank David Pease.

Allghany General Hospital, Pittsburg.—Dr. J. F. Murdoch.

Hastleton State Hospital.—Dr. Albert A. Sargent.

Scranton, Moses Taylor Hospital.—Dr. C. S. Bowman.

MATRICULATES.

SESSION 1893-94.

Students of the Third Year.

Albright, Charles Wesley (Ph.G.) N. J. Cox, Miley E. (M.D., Univ.
Austin, Lewis King Me. Cross, Otho Willoughby Pa.
Austin, William J. Pa. Cunningham, Charles N. J.

Baker, Regay Leslie (M.D., Davis, Alvah Ross Del.
Batterton, John Leo (M.D., Dubbs, Robert L. (Ph.G.) Pa.
Benscoter, Perry Hudder Pa. Edwards, Thomas Lewis Ohio.
Bermudez, Pedro Joaquin C. A. Elders, Horace William (M.D.,
Bowen, David Ralph N. Y. Faust, Albert David Pa.
Brouer, Frank N. J. Fredericks, David Patterson Pa.
Burke, Patrick Francis Pa.

Clark, Oscar Dewar Fitz Allen Pa. Gibbony, David Clarence (Ph.
Conboy, J. Philip (M.D., Good, Albert Parke Pa.
Coons, Samuel Gamble Pa. Haines, Samuel H. (M.D.) N. Y.
Cornwell, Alfred N. J. Hajjar, Fad-Alla K. Syria.
Cover, O. Alvin (M.D., Balti-
Hartford, P. Calvin (M.D., Western Reserve)  . . . .  Ohio.
Heimbach, Grant Edwin  . . . .  .
Henry, James Wales (M.D., Med. Col.)  . . . .  Ohio.
Henyan, Emanuel Lucas  . . . .  N. J.
Hertzler, William Crooks  . . . .  Ohio.
Hirtz, Levi Brook (Pt.G.)  . . . .  N. J.
Hoag, Harry Martin (B.S., M.D., Ky, School of Med.,)  . . . .  Iowa.
Hoagland, G. Bradford (PH.G.)  . . . .  N. Y.
Hodge, Loren Stewart  . . . .  Mont.
Huff, John Thompson (Pt.G.)  . . . .  N. J.
Huff, Julius K.  . . . .  S. C.
Huffman, George Washington  . . . .'Iowa.
Huffman, Obadiah Layton (A.M.)Ohio.
Johnston, Samuel, Jr.  . . . .  Tenn.
Judd, James Frederick (PH.G.)  . . . .  Pa.
Kaempfer, Emil Frank (PH.G.)  . . . .  Wis.
Karr, George Muster  . . . .  Ky.
Kenyon, Charles Lewis  . . . .  Pa.
King, Albert Hailett  . . . .  Pa.
Kolmer, John  . . . .  Ind.
Knipe, John  . . . .  Ind.
Kriebel, Elmer G. (V.S.)  . . . .  Pa.
Lane, Leonidas Polk (M.D., M.D., Univ. of Ga.)  . . . .  Ga.
Lechner, Roy Yahn  . . . .  Pa.
Lee, Frank Alexander (M.D., Ensworth Med. Col.)  . . . .  IOWA.
Leicht, Jacob Albert (M.D.V.)  . . . .  Me.
Lippincott, Jesse Divery (Pt.G.)  . . . .  N. J.
McCelve, John Samuel  . . . .  Texas.
McCoy, Frank  . . . .  Pa.
MacElree, George Anderson  . . . .  Pa.
Maier, Friedrich Hurst (M.D., Medico-Chi.)  . . . .  Pa.
Mangum, Charles S. (A.B.)  . . . .  N. C.
Marcus, Herman D. (M.D., Medico-Chi.)  . . . .  Pa.
Martin, Joseph Marsh  . . . .  Del.
Martindale, Joseph Watson Canada.
Mellor, Thomas  . . . .  Pa.
Metropolitan, Messiah (Rev.) Asia Minor.
Millen, Frederick Fowler  . . . .  N. Y.
Miller, Emery  . . . .  N. J.
Miller, Maurice E.  . . . .  Pa.
Mills, Frederick Hubbell  . . . .  N. Y.
Mohn, James Oliver  . . . .  Pa.
Moore, John Wesley Fleck  . . . .  Pa.
Moore, Maurice Gardner (A.B.)  . . . .  Ind.
Morris, John Knox  . . . .  Ky.
Morris, Willis G. (M.D., College)  . . . .  Iowa.
Musquiz, Juan Long  . . . .  Mexico.
Noel, Joseph Roberts  . . . .  III.
Oberdorff, Frank Howard  . . . .  Pa.
Osmun, Milton Mackey (PH.G.)  . . . .  N. J.
Penula, Maxmillian  . . . .  C. Am.
Pitts, Thomas  . . . .  N. J.
Powell, Barton Jerome  . . . .  Nev.
Pratt, John Lynn  . . . .  Del.
Prevost, Clarence Worrel  . . . .  Pa.
Price, Frederick K.  . . . .  Ohio.
Rabe, John Howard  . . . .  Ohio.
Randall, William Floyd (M.D., Univ. of Baltimore)  . . . .  Pa.
Read, Clinton H. (M.D., Medico-Chi.)  . . . .  N. J.
Read, Charles Miller (M.D., Univ. of Baltimore)  . . . .  Ky.
Rendleman, James Walter (B.S.)  . . . .  Ill.
Reynolds, William  (M.D., P.S., St. Louis)  . . . .  Ill.
Robbins, Charles Pern  . . . .  Iowa.
Rosenberger, John Ashby  . . . .  Cal.
Rosenberger, Randle Cramer  . . . .  Pa.
Ross, Joseph Herman  . . . .  Pa.
Rovno, Philip  . . . .  Pa.
Saulsbury, Charles Emmet  . . . .  Ky.
Saunders, John Welcome  . . . .  K. 1.
Schaborger, Frank (B.S.)  . . . .  Ohio.
Scribner, John King  . . . .  Pa.
Simmons, Charles Columbus  . . . .  Texas.
Slifer, George B.  . . . .  Pa.
Smith, Delos DeWitt (M.D., Med. Col.)  . . . .  Minn.
Smith, Joseph Isaiah  . . . .  Pa.
Smith, Patrick A. (M.D.)  . . . .  Canada.
Smith, Paul Crew  . . . .  Mo.
Snyder, Alva Earl (Pt. G.)  . . . .  Ohio.
Students of the Second Year.

Allman, Alfred Frederick  . . . .  Pa.
Avery, Charles McQueen  . . . .  Canada.
Barnhardt, Charles Henry  . . . .  N. C.
Beach, James Daniel  . . . .  Pa.
Boltz, Elias Kinle (PH.G.)  . . . .  Pa.
Brewer, William (Pt.G.)  . . . .  N. J.
Brow, Allan Colby  . . . .  Pa.
Brown, Adolph Gustave (D.D.S,)  . . . .  N. Y.
Burger, John Rudolph  . . . .  Ind.
Copp, Edgar Maitland  . . . .  Canada.
Cort, Paul Lange  . . . .  Pa.
Cowles, David  . . . .  Pa.
Curry, William (B.S.)  . . . .  Pa.
DeMeeuw, Cornelius Smith  . . . .  Md.
Dexter, Henry Leone  . . . .  Pa.
Dickson, Richard Ensign  . . . .  Tenn.
Donnelly, Peter (A.B)  . . . .  Ohio.
Dowling, Charles Hargood  . . . .  Del.
Duncan, Homer G.  . . . .  Pa.
Fahrney, Henry Peter  . . . .  Md.
Farrar, Charles Herbert (B.A.)  . . . .  Conn.
Finley, Harry Lincoln  . . . .  Kan.
Fisher, Howard (A.M.) Ohio
Falter, Charles Franklin N. J.
Fitzgerald, William Wesley Cal.

Gartman, Leo N. Pa.
Giberson, William Henry Pa.
Gilbert, John Pa.
Gillette, Claudius Wesley Pa.
Glenn, Eugene Byron N. C.
Gordon, Benjamin L. N. Y.
Goudiss, Archibald Pa.
Grady, Calvin Pa.
Gratton, Harvey Bradley Wash.
Grim, Frank Seymour Pa.

Hager, Albert Edwin Pa.
Hahn, Franklin Jacob Pa.
Haines, Joseph Ridgway (Ph.G.) N. J.
Hampden, Frank Clinch Pa.
Harre, Edgar Thomas Pa.
Harrison, Frank M. (A.B.) Ohio.
Hayes, Frederick Legro (A.B.) N. H.
Hess, Louis Pa.
Hilliard, Walter L. N. C.
Himes, Bower Edwin Pa.
Hitt, Edward John Pa.
Hinkle, Millard Goodrich Oregon.
Hobson, William Heverin (Ph.G.) Del.
Holz, David Pa.
Hootman, David Albert Pa.
Hoover, Percy Linn Pa.
Horn, Wallace Lincoln Ill.

Jackson, Robert, Jr. Pa.
James, John Warren Del.
Jolley, William Albert Kan.
jones, Wilfred Hunt Pa.
Jordy, George Harry Pa.

Kearns, William (Ph.G.) Pa.
Keenan, Isaac W. Pa.
Kelly, Thomas J. (Ph. G.) Pa.
King, Henry Brown Pa.
Kolb, Isadore Pa.
Kress, Palmer John Pa.

Laning, Benjamin H. N. J.
Lehnkering, Charles F. (Ph. G.) Ohio.
Lintzway, Frank Pa.
Litchfield, Paul Nathan N. J.
Loeb, Louis Pa.
Lowenstout, Oscar R. Cal.
Lowman, John Bodine Pa.
Lyon, William Reynolds Pa.

McBean, James Canada.
McCreery, Rollo Louis Col.
Madden, Walter N. J.
Magennis, Frank P. Ohio.
Manning, William J. Pa.
Mansfield, Maynard W. Pa.
Meals, Charles Atlee Pa.
Metheny, D. Gregg Pa.
Miles, Robert Albert Pa.
Miller, John Harvey (Ph.G.) (M.E.) Pa.
Mills, John Herman Pa.
Mitchell, Joseph Henry Va.
Moore, Pierre Albert (B.S.) La.
Morris, Joseph Pa.
Moyn, William Alfred, Jr. (Ph.B.) N. C.
Murphy, Bernard Patrick Conn.
Musser, Walter Scott Pa.

Nadle, Isidore M. Pa.

Ogden, Charles Sheppard (Ph.G.) N. J.
Peet, Walter Browing Pa.
Province, Clarence (A.B.) Ind.
Reed, Charles Edgar Pa.
Reid, Henry W. N. C.
Richards, William Evans Miss.
Roe, Byron Leroy Pa.
Rogers, Summervell Burke Texas.
Rohrs, Henry Fred. Ohio.
Roemer mann, William E.D. Germany.
Rowenberry, Edward Shimer Pa.
Rowan, Charles Pa.

Schnable, Elmer D. Pa.
Schneider, Charles J. (Ph.G.) Pa.
Sevier, Daniel Edward N. C.
Sevier, Joseph Thomas N. C.
Shelley, Albert England.
Shepard, Ernest Newton Pa.
Shultz, William Clyde Pa.
Shipack, Charles B. Pa.
Sickel, Harry Leland Pa.
Simpson, Edward Percy Md.
Simpson, Jonathan Chauncey Pa.
Smith, James S. Pa.
Smythe, Thomas Fleming Texas.
Soeder, Elmer N. Pa.
Spear, Raymond Pa.
Stauffer, Harry Pa.
Stoy, Henry (Rev.) N. J.
Strode, William Alva (Pa.G.) N. Y.

Taylor, Samuel Banks Pa.
Taylor, Zebulon Scriver (D.D.S.) N. J.
Terry, George Hiram Blakeslee Pa.
Thayer, Edwin A. Tenn.
Thompson, Osn Joshua (Ph.G.) Minn.
Tyn dall, Ira C Ivlon Del.

Wade, Charles Alexander W. Va.
Walker, Henry Theodore N. J.
Walsh, Frank Alfred N. Y.
Walker, Adam V. Pa.
Walz, Frank John (Ph.G.) Pa.
Wangenheim, Abraham Kneenger Pa.
Ware, James Robert (A.B.) S. C.

Students of the First Year.

Adams, Charles Thomas Pa.
Adams, George B. McClellan N. J.
Alley, John Newton (B.S.) Pa.
Amidon, Ivan Emil Sweden.
Arnold, Jesse Ogleeve Pa.
Bacon, Carroll Burton (A.B.) N. Y.
Barlett, Charles Rufus N. Y.
Barron, Harry Clay Pa.
Bashore, Simon David Pa.
Bauer, John N. Pa.
Becker, Alfred N. Pa.
Beck, John K. Pa.
Biddle, Louis Ames Pa.
Black, Jesse Langtry Pa.
Bond, William T. Pa.
Bray, Herman Pa.
Bremer, Albert Herman Pa.
Brewster, Guy Otis Pa.
Brister, Fred, Elmer Pa.
Broadwell, Edward Cyler Pa.
Brunner, Henry Clay Pa.
Buchanan, Joseph Hervey (A.B.) N. J.

Carr, Charles Henry Pa.
Carr, John Dennis (B.S.) Pa.
Carver, William B. Pa.
Colesberry, Frank Pulser Pa.
Catanach, N. Guthrie Pa.
Cawley, Thomas Frank N. J.
Clausen, Harry Simon Pa.
Clemens, James W. Cal.
Clouting, Sherman N. J.
Cochran, Frederick Albert, Jr. (B.S.) Va.

Collins, Howard A. Pa.
Conn, Frederick A. W. Pa.
Corson, George Reuben Pa.
Costello, Michael Joseph Pa.
Curley, George Frederick (B.S.) Mass.
Dager, William Frederick Canada.
Davis, Frederick Whitney Pa.
Barr, Stephen Henry Pa.
Bashore, William Henry Pa.
Bauern, Henry Fred. Ohio.
Bennett, Van Clet Pa.
Bippell, Emil Theodore Pa.
Diven, Arie Walton Pa.
Doran, Charles Franklin N. J.
Dougherty, John T. Pa.
Drew, Frank George Pa.
Dugan, William James Mass.
Duvall, Augustus W. Pa.
Elliott, Andrew Henry (A.B.) Pa.
Emeric, Martin Luther Pa.
Evans, Horace Gaylord Pa.
Evans, Stuart Pa.
Farber, William Daniel Pa.
Finger, George Pa.
Fry, Harvey Murrell Pa.
Furnee, Charles H. Pa.
Gahan, Patrick Francis Mass.
Gallagher, Harry Pa.
Gilpin, Sherman F. Pa.
Grady, Michael Kerin Pa.
Graham, James Abraham W. Va.
Gray, Alfred Percy Pa.
Gray, James Robinson Pa.
Grier, Robert Pa.
Snyder, Marion D. Pa.
Somers, Milton Le Roy. N.J.
Swaertlander, Joseph R. Pa.
Taggart, Thomas D. Pa.
Thomas, Norman A. Pa.
Thomas, Vernon D. Pa.

Zimmerman, Morris L. Pa.

Special Students.

Aley, Hamilton W., Jr. N.Y.
Findlay, Wm. Pa.
Forbes, William Innes Pa.
Hauck, Sylvester Aloysius Pa.
Lock, Arthur Horton (M.A.). N. H.
Man, John J. (Ph.G.) Pa.
Malster, J. E. Pa.
Medd, Henry (Ph.G.) Pa.
Pitts, Godfrey N. J.
Zwingle, Charles Robert (Ph.G.) N. J.

Summary.

Students of the third year 221
Students of the second year 174
Students of the first year 203
Special students 24
Total 623

In addition to the above, there were 20 students registered at the beginning of the term whose names have been omitted because of absence.

Recapitulation.

Pennsylvania 360
New Jersey 47
Ohio 23
Delaware 16
New York 15
Canada 13
Massachusetts 11
California 9
North Carolina 8
Illinois 9
Indiana 8
Iowa 7
Texas 7
Kansas 3
Florida 2
Rhode Island 2
Washington 1
Wyoming 1

Total 623
ALUMNI ASSOCIATION

OF

THE JEFFERSON MEDICAL COLLEGE

OF PHILADELPHIA.

The objects of this Association are the promotion of the prosperity of the Jefferson Medical College, offering of prizes, publishing of 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 26th, 1892, 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 Pittsburg, Pa.; Dr. John Fay, of Altoona, Pa.; Dr. S. L. Kurtz, of Reading, Pa.
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.