1882

Fifty-Eighth Annual Announcement of the Jefferson Medical College of Philadelphia: The Session of 1882-83

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FIFTY-EIGHTH

ANNUAL ANNOUNCEMENT

OF THE

JEFFERSON MEDICAL COLLEGE

OF

PHILADELPHIA.

The Session of 1882-83

will begin on Monday, October 2d.

COLLINS, PRINTER.
FIFTY-EIGHTH
ANNUAL ANNOUNCEMENT
OF THE
JEFFERSON MEDICAL COLLEGE
OF
PHILADELPHIA.

The Session of 1882-83
will begin on Monday, October 2d.
BOARD OF TRUSTEES.

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SAMUEL D. GROSS, M.D., LL.D., D.C.L. OXON., LL.D. CANTAB.,
INSTITUTES AND PRACTICE OF SURGERY (Emeritus),
S. E. corner of Eleventh and Walnut Streets.

ELLERSLIE WALLACE, M.D.,
OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN,
No. 1130 Spruce Street.

J. M. DA COSTA, M.D.,
PRACTICE OF MEDICINE,
No. 1700 Walnut Street.

WILLIAM H. PANCOAST, M.D.,
GENERAL, DESCRIPTIVE, AND SURGICAL ANATOMY,
No. 1100 Walnut Street.

ROBERT E. ROGERS, M.D.,
MEDICAL CHEMISTRY AND TOXICOLOGY,
No. 1004 Walnut Street.

ROBERTS BARTHOLOW, M.D., LL.D.,
MATERIA MEDICA AND GENERAL THERAPEUTICS,
No. 1509 Walnut Street.

HENRY C. CHAPMAN, M.D.,
INSTITUTES OF MEDICINE AND MEDICAL JURISPRUDENCE,
No. 1226 Walnut Street.

SAMUEL W. GROSS, M.D.,
PRINCIPLES OF SURGERY AND CLINICAL SURGERY,
No. 1112 Walnut Street.

JOHN H. BRINTON, M.D.,
PRACTICE OF SURGERY AND CLINICAL SURGERY,
No. 1423 Spruce Street.

ELLERSLIE WALLACE, M.D.,
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WILLIAM THOMSON, M.D.,
PROFESSOR OF OPHTHALMOLOGY.

DEMONSTRATORS.

William S. Forbes, M.D.,
Demonstrator of Anatomy.

J. Ewing Mears, M.D.,
Demonstrator of Surgery.

J. Gibbons Hunt, M.D.,
Demonstrator of Histology.

G. Mason Ward, M.D.,
Demonstrator of Chemistry.

Morris Longstreth, M.D.,
Demonstrator of Pathological Anatomy,
and Curator of Museum.

Cochran McClelland, M.D.,
Demonstrator of Obstetrics, etc.

W. W. Van Valzah, M.D.,
Dan E. Hughes, M.D.,
Demonstrators of Clinical Medicine.

S. Mason McCollin, M.D.,
Demonstrator of Pharmacy.

A. P. Brubaker, M.D.,
Demonstrator of Physiology.

WM. S. Leffman, Janitor,
At the College, Tenth Street, between Chestnut and Walnut.
HOSPITAL STAFF.

SURGEONS.
JOHN H. BRINTON, M.D.,
S. W. GROSS, M.D.,
R. J. LEVIS, M.D.

PHYSICIANS.
J. SOLIS-COHEN, M.D.,
JAMES C. WILSON, M.D.,
OLIVER P. REX, M.D.,
W. W. VAN VALZAH, M.D.

OPHTHALMIC SURGEON.
Prof. WILLIAM THOMSON, M.D.

GYNECOLOGISTS.
F. H. GETCHELL, M.D.,
J. EWING MEARS, M.D.

AURAL SURGEON.
L. TURNBULL, M.D.

PATHOLOGIST.
MORRIS LONGSTRETH, M.D.
ANNOUNCEMENT.

In issuing the Announcement of the Fifty-Eighth Course of Lectures, the Faculty of the Jefferson Medical College invite the attention of the medical profession and medical students to the following details of the means and methods of instruction in this school.

The class of last session numbered 630, and represented the following countries, states, and kingdoms:

Pennsylvania. - Cuba. - Colorado.
Ohio. - Kansas. - U. S. Navy.
North Carolina. - Wisconsin. - Utah.
Illinois. - Nebraska. - Australia.
Massachusetts. - New Brunswick. - Austria.
Maine. - Germany. - Burma.
Delaware. - Alabama. - Central America.
Texas. - Iowa. - Ireland.
West Virginia. - Louisiana. - Italy.
Kentucky. - Minnesota. - Mexico.
Maryland. - Mississippi. - Porto Rico.
Indiana. - Rhode Island. - Scotland.
Oregon. - South Carolina. - Turkey.
California. - Canada.
Georgia. - Nicaragua.
Tennessee. - Arkansas.

The Graduating Class of March, 1882, numbered 247; graduates of June, 1881, 3; the whole number of graduates to date is 7916.

Since the close of the last session, Professor Samuel D. Gross has felt impelled by advancing age, and a desire to spend the remainder of his days in comparative repose, to withdraw from the Chair of Surgery, which he has adorned for more than one third of his long and honored life. The Faculty keenly feel the loss entailed by the resignation of the great Surgeon.

The honorable Board of Trustees have "Resolved, That hereafter Surgical Instruction in the Jefferson Medical College shall be given by two professors, namely, a Professor of the Principles of Surgery and Clinical Surgery, and a Professor of the Practice of Surgery and Clinical Surgery."

The Board then elected Dr. S. W. Gross to the Professorship of Principles of Surgery, etc., and Dr. J. H. Brinton to the Professorship of Practice of Surgery, etc.

COLLEGE BUILDINGS.

The College Buildings are situated on Tenth Street, between Chestnut and Walnut, and comprise a Medical Hall, new Laboratory Building, and the Hospital immediately adjacent. This central position gives to the School many advantages; among them, an extensive choice of homes for the Student—convenient to the College—and proximity to the various business houses, etc., with which the Student may have occasion to deal, as well as to the extensive Medical Library of the Pennsylvania Hospital, and other large libraries which abound with scientific and literary works of varied description.
MEDICAL HALL.

The College Building, proper, contains two large, well-arranged and well-ventilated Lecture Rooms. The continued increase in the size of the classes rendered additional accommodations absolutely necessary; hence, in the summer of 1881 the main building was remodelled by an extension of the front, by adding a new story, and by constructing new Laboratory Rooms. By this extension of the front, the seating capacity of each lecture room has been materially increased. By the addition of another story, new and more commodious Dissecting Rooms, with every convenient appliance, have been constructed. Large and well-lighted rooms have been provided for practical obstetrics, and for the laboratory of experimental therapeutics and pharmacy, and another with special reference to microscopic work, and for a laboratory of Pathological Histology and Morbid Anatomy.

In this building are also contained the extensive and valuable Anatomical, Surgical, and Pathological Museums, which are enriched annually by important additions.

THE LABORATORY BUILDING.

The Laboratory Building, immediately adjoining the Medical Hall, contains the Physiological and Chemical Laboratories fully equipped in the materials and instruments of study and research, and, also, the laboratory for the Demonstration of Operative and Minor Surgery.

HOSPITALS AND DISPENSARIES.

COLLEGE HOSPITAL.
THE HOSPITAL OF THE JEFFERSON MEDICAL COLLEGE is situated immediately west of the College, fronting on Sansom Street, and is bounded on three sides by streets, and by a wide private passage-way on the fourth side. It is 107 feet square, five stories in height, and is designed for the easy accommodation of 125 patients. In connection with the hospital is the out-door or dispensary department of the College, which furnishes much valuable material for clinical instruction. The amphitheatre, for Clinical Lectures, is one of the largest and most convenient in the United States. The most approved appliances for heating and ventilating have been provided, and, in architectural construction, and all desirable conveniences, this hospital will be found at least equal to any American clinical hospital.

The Jefferson Medical College Hospital and the Dispensaries, where a large number and great variety of cases are annually presented, furnish patients for daily Clinics at the Hospital, which are given throughout the entire year by members of the Faculty and by the Hospital Staff. The Surgical Clinic is held on Wednesdays and Saturdays, by Professors Gross, Brinton, and Pancoast. The Medical Clinic, on Mondays and Thursdays, by Professors Da Costa and Bartholow. The Clinic of Diseases of Women and Children, on Tuesdays, by Professor Wallace. The Clinic of Diseases of the Eye, by Professor Thomson, on Fridays. During the last year several thousand cases were treated at the College Hospital and Clinics, and more than one thousand surgical operations were performed.

The practical use of the ophthalmoscope is taught to all candidates for graduation, in sections of convenient size, at the College Hospital, by Prof. W. Thomson, and the use of the laryngoscope by Dr. J. Solis-Cohen.

Two Resident Physicians, and also clinical assistants for the Dispensary Department, are annually appointed from the most recent graduates of the College.

Pennsylvania Hospital. This large hospital is in the immediate neighborhood of the College, and clinical instruction and lectures are here given by a full corps of lecturers, including Professor Da Costa, Dr. R. J. Levis, and Dr. Morris Longstreth.

Philadelphia Hospital. This extensive Hospital presents a large number and variety of cases for clinical instruction. Professors Pancoast and S. W. Gross are connected with the Staff of this Hospital. Cases of smallpox and of other contagious diseases are treated at the Municipal Hospital, a separate and distant institution.

Wills Ophthalmic Hospital. This old and extensive hospital is within a short distance of the College, and daily Clinics are held there.

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 Orthopaedic Hospital and Hospital for Nervous Diseases, Hospital for Diseases of the Skin, Children's Hospital, and others.

The clinical instruction and admission to the wards in all the Hospitals of Philadelphia are free to the Matriculates of the Jefferson Medical College.
THE DIDACTIC AND CLINICAL LECTURES.

WINTER SESSION.

This Session will begin on Monday, October 2, 1882, and will end on the 31st of March, 1883. During this period, the seven essential, fundamental branches of Medicine are taught by the following Professors:

A Professor of Obstetrics and Diseases of Women and Children.

" Practice of Medicine and Clinical Medicine.

" General, Descriptive, and Surgical Anatomy.

" Medical Chemistry and Toxicology.

" Materia Medica and General Therapeutics.

" Institutes of Medicine (or Physiology) and Medical Jurisprudence.

" Principles of Surgery and Clinical Surgery.

" Practice of Surgery and Clinical Surgery.

ORDER OF LECTURES.

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<td>5 P.M.</td>
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In these didactic Lectures the rich cabinets of the school, and of the individual Professors, are freely used, for the purpose of illustration.

SPRING AND FALL LECTURES.

Supplementing the regular Winter Didactic and Clinical Lectures there are a Fall or Preliminary Session, and a Spring Session.

The Fall or Preliminary Session begins on Monday, the 11th of September, and continues until the opening of the Winter Term, and embraces special instruction on the following subjects:

Therapeutics By Prof. Bartholow.

Physiology Prof. Chapman.

Clinical Surgery Prof. S. W. Gross.

Surgery Prof. Brinton.

Ophthalmology both didactically and clinically Prof. William Thomson.

Pathological Anatomy Dr. Morris Longstreth.

Laryngoscopy, with Diseases of the Throat Dr. J. Solis-Cohen.

Anatomy Dr. Wm. S. Forbes.
The Lectures during this Course are given in the mornings, leaving the after-
noons for dissection. The clinics at the Hospitals are in operation from the be-
ginning of September; Profs. Pancoast and Gross are on duty at the Phila-
delphia Hospital during the months of September, October, and November.

The Spring Session begins early in April, and closes on the last day of May.
The Lectureships in this Course during the Spring of 1882 were as follows:—

Clinical Medicine at the Pennsylvania Hospital                    Prof. Da Costa, and
Electro-Therapeutics                                                  Dr. Morris Longstreth.
Experimental Physiology and Histology                               Prof. Bartholow.
Clinic on Venereal Diseases at College Hospital and
    Diseases of the Urino-Genital Apparatus                         Prof. S. W. Gross.
Operative Surgery                                                   Prof. Brinton.
Pathological Anatomy, with Demonstrations                          Dr. Morris Longstreth.
Physical Diagnosis, with Practical Demonstrations                  Dr. J. C. Wilson.
Diseases of Children                                               Dr. W. B. Atkinson.
Microscopy, with Practical Demonstrations                          Dr. J. Gibbons Hunt.
Toxicology                                                         Dr. H. Leffmann.
Urinary Pathology                                                   Dr. J. S. Neff.
Diseases of the Eye                                                 Dr. Wm. S. Little.

The Laboratory of Pharmacy and Experimental Therapeutics was open for
work and special investigations, as during the Winter Session.

The Dissecting Rooms were open daily.

Post-Mortem Examinations were made, and the pathological conditions explained
to the Class, at the Pennsylvania and the College Hospitals, by Dr. Longstreth.

CLINICAL INSTRUCTION

Was given daily at the College Hospital.

Surgery                                           Prof. Brinton.
Medicine                                          Dr. R. J. Levis.
Gynecology                                        Dr. O. P. Rex.
Ophthalmic Surgery                                Dr. W. W. Van Valzah.

Clinical Lectures were given also at the Philadelphia Hospital by Lecturers of
the Course, during their terms of service at the Institution.

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

THE DIDACTIC LECTURES.

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

The didactic lectures of the Faculty are given, as far as may be, an eminently practical direction. In the exposition of his subject, each professor is mindful of the needs of the student, and the course, as carried on, forms a harmonious whole, directed to one objective point—the best instruction of the pupil. A proper conservatism is maintained in accordance with the established character of this Institution. All sound advances in medical science and art receive prompt recognition, and are duly presented, but pretended reforms and unsubstantiated theories find no place.

THE WINTER TERM.

The Faculty having extended the winter term of 1881-82 for about one month, have decided to continue the same system, so that the Commencement exercises will take place on the 31st of March, 1883. Two important objects have been secured by this change; the weekly number of lectures is reduced in some of the branches, which gives the student more time for practical and laboratory work, and affords him an opportunity to review and digest the lectures. The whole number of didactic lectures in each department will be about the same as before, the only difference being the distribution of the lectures over a longer period.

CLINICAL LECTURES.

The clinical lectures during each week remaining the same, the whole number given will be increased over previous years. Clinical instruction has always been an important feature of the College course, in which, indeed, systematic Clinical methods were first inaugurated in this country. While the amphitheatre of the Hospital is one of the most commodious in this country, the material of the Clinic is most abundant, and represents almost every possible condition of disease or injury. Beside the College Clinics, students can attend at the various hospitals and dispensaries mentioned before, the lectures being so arranged as to afford them the opportunity to do so. As will be seen further on, important additions have been made to the Clinical course in the direction of practical study, and by the "clinical conferences."

PRACTICAL AND LABORATORY INSTRUCTION.

All the courses of Practical and Laboratory instruction are designed for, and obligatory upon, all candidates for the degree, and are free of charge to them, except in the case of Practical Anatomy. Candidates for partial examination will be required to attend those branches on which they desire to be examined at the end of the session. Graduates of other schools who do not propose to take the degree, are permitted to attend these courses, if they so desire. Those proposing and qualified to come forward for the degree will, at the beginning of the session, be divided into sections, for practical and laboratory work.
THE LABORATORY OF PRACTICAL AND MANIPULATIVE OBSTETRICS.

The Demonstrator of Obstetrics, etc., 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 action. The cadaver, principally, will be used in these teachings, and, in addition, models, diagrams, and the manikin will be resorted to, as they may be required for subsidiary use.

CLINICAL MEDICINE.

The special instruction in clinical medicine, heretofore conducted under the supervision of Prof. Da Costa at the hospital, will be continued, and enlarged. The course will be practically exemplified by the ample material of the daily clinic. Each student will thus be made familiar with bedside practice.

The Professor of Practice will also, during his clinical term, devote a number of hours to Clinical Conferences. During these, the advanced student will have a case assigned him, which he will be required, with the aid of the Chief Clinical Assistant, to examine beforehand, and which, then, with remarks on the diagnosis, prognosis, and treatment, he will present to the class. Facilities will also be afforded for Practical Instruction in Physical Diagnosis at the Hospital, in connection with the College. Sections of the class will, at hours set apart for the purpose, be taught by special instructors, under the general supervision of the Professor of Practice, on patients, on whom the physical signs of disease will be demonstrated. The success attending the inauguration of this method of instruction at previous sessions encourages the hope of the best results from it.

THE LABORATORY OF PRACTICAL CHEMISTRY.

The Working Laboratory for Medical Chemistry and Toxicology is under the supervision of the Professor of Chemistry, aided by the Demonstrator. The instructions here given will be in harmony with the Chemical Lectures of the Winter Session, and will be conducted in such a manner as to secure to the student a practical familiarity with the apparatus, materials, processes, and reactions which are the subjects of his professional study, and which are to be availed of in his subsequent practice.

The course will be made especially one of Medical Chemistry and Toxicology, and will consist of—

I. MANIPULATION, in which each student will himself prepare the apparatus, perform the various experiments, and trace the reactions, as shown and explained in the regular Winter Lectures of the Professor of Chemistry.

II. QUALITATIVE and QUANTITATIVE ANALYSIS, so far as relates to the wants of the Medical Practitioner. This will include an extensive range of testing for the discrimination between the various hurtful substances that may call for antidotes, and those which are harmless; and will embrace Toxicology, or the practical separation and detection of poisons in Organic Mixtures and Tissues.

The student will also in this course be conducted practically through the manufacture of all the prominent Acids and Salts, and the extraction or preparation of the important Alkaloids, Ethers, and other organic products.
III. The Examination of Normal and Abnormal Products of the human body as aiding in the diagnosis of disease, such as urine, urinary deposits, bile, blood, etc.

THE LABORATORY OF MATERIA MEDICA AND EXPERIMENTAL THERAPEUTICS.

The laboratory of Materia Medica and Therapeutics contains a complete cabinet of materia medica, preparations, and active principles, for study by each pupil, as the articles are taken up by the Professor during the regular term. The room has been also equipped for pharmaceutical instruction, and a systematic, although necessarily restricted, course in pharmacy will be given. The laboratory is provided with the following instruments and appliances for special researches in the physiological action of remedies: a kymographion with recording cylinders and Foucault’s regulator; a Fick’s spring kymographion; a mercurial pump run by an electro-motor for artificial respiration; a double myograph; Marey’s sphygmograph; Coat’s apparatus; a recording stethometer, mercurial manometer, Rhumkorff’s coil, metronome, dissecting and other microscopes, Czermack’s holder, and other apparatus necessary for this purpose. The sections of the class will be instructed in the methods of experimental therapeutics, and will be assigned remedies for study under the direction of the Professor and his assistant.

THE LABORATORY OF PHYSIOLOGY AND HISTOLOGY.

The instruction in this department will consist in physiological and histological demonstrations to be given in the Laboratory, to the members of the Graduating Class, arranged in sections.

The physiological teaching will embrace the demonstration of the essential phenomena of Digestion, Absorption, Circulation, Respiration, Excretion, the functions of the Nervous System, the Reproductive Apparatus, and the Development of the Embryo.

The histological course will include the demonstration of the minute anatomy of the alimentary canal and its appendages—the Circulatory, Respiratory, and Excretory apparatus, the general Nervous System, and special senses; the use of the Microscope, and the manner of preparing the tissues.

THE LABORATORY OF OPERATIVE AND MINOR SURGERY, AND BANDAGING.

As heretofore, in this department, the Demonstrator, under the direction of the Professors of Surgery, will instruct the class in the various manipulations of operative and minor surgery. For this purpose, those preparing for graduation will be divided into classes, which will be admitted in rotation into the surgical rooms. At these successive meetings the various bandages and fracture dressings will be exhibited and explained, when each member of the class will be required to apply them.

The class will then be subdivided into sections for the practice of ligatures, amputations, and special operations upon the cadaver. To each section the Demonstrator will give instructions in surgical anatomy, the management of instruments, and the proper methods of operating; and the operations will then be performed by the Students in the presence of the Demonstrator and his
assistants. A grade based upon the character of the work performed will be noted for each student, and entered in a register. It has been found that this plan stimulates the student to greater accuracy and neatness in his work, and imparts interest to his studies.

THE LABORATORY OF PATHOLOGICAL ANATOMY.

During the winter term opportunities are afforded to the Students of being present, in sections, at Autopsies by Dr. Morris Longstreth, Demonstrator of Pathological Anatomy, and Pathologist to the Pennsylvania Hospital. Instruction is given in Pathological Anatomy and Pathological Histology to the class in sections, by Dr. Longstreth, during the Winter Term, in the Laboratory. Abundant materials for this work are derived from the autopsies and surgical operations at the Pennsylvania and the Jefferson Medical College Hospitals, and the Classes in the Laboratory are supplied with specimens, to be examined microscopically, and explained to them by the Demonstrator.

THE PRACTICAL COURSES.

The several practical courses above described will be under the direct personal superintendence of the Professors, assisted by their Demonstrators, as follows:—

ORDER OF LABORATORY COURSES.

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<td>Obstet's, &amp;c.</td>
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<td>5 P. M.</td>
<td>5 P. M.</td>
<td>11 A. M.</td>
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<tr>
<td>Pract. Med. for students who have passed in chemistry.</td>
<td>12 M., 11 A. M., for full course students.</td>
<td>12 M., 11 A. M., for students who have passed in chemistry.</td>
<td>11 A. M., 11 A. M., for students who have passed in Institutes.</td>
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<td>Chemistry.</td>
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<td>Mat. Med. &amp; Ther.</td>
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<td>Physiology.</td>
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<td>Surgery. Pathol. Anatomy.</td>
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<td>8 P. M.</td>
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In addition to the above courses, facilities will be afforded for practical instruction in the hospital in gynaecology, ophthalmology, otology, and laryngology.

PRACTICAL ANATOMY.

* The Dissecting Ticket ($10) is good for the Scholastic year, that is, from the 1st of September to the end of the following Spring Session; or from the 1st of April to the end of the following Winter Session, the usual summer recess being observed.

The new 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 September, April, May, and to the middle of June, daily, from 8 A. M. to
6 P.M.; during the evenings in the Winter Session, and during the afternoons in the Spring and Preliminary Sessions, the Demonstrator or his Assistants are in attendance to superintend and to aid the student in his study.

A full supply of material is furnished at the small charge of $1 per part, and no extra or incidental charges are made.

The Faculty find that the method above described, by which each individual is personally instructed, supplements, in the most profitable way, the course of office instruction by the preceptor, the subsequent didactic and clinical lectures, and the fall and spring courses of the College. The practical tendency of medical instruction has always been promoted at this College, but it was not until the enlargement of the buildings, that this long-cherished purpose could be put into full execution. That which they have adopted is the result of long experience with the capabilities, opportunities, and needs of medical classes, and the Faculty especially commend the above described practical courses as constituting an efficient system of Post-Graduate instruction.

REGULATIONS AND REQUIREMENTS FOR GRADUATION, AND ITEMS OF INFORMATION.

The candidate for the Degree of M.D. must be of good moral character, and at least twenty-one years of age. He must have attended at least two full Winter sessions of lectures, of which the last shall have been in this College, and the previous one—or more—either here, or in some regular* college, authorized to confer the degree of M.D., and in which Anatomy, Chemistry, Materia Medica and Therapeutics, Physiology, Surgery, Practice of Medicine, and Obstetrics are embraced in the Curriculum. He must have studied medicine for not less than three years, including private tuition, under a regular* graduate of medicine, or some regular* institution, and have attended at least one course of Clinical Instruction, and of Practical Anatomy. Candidates for graduation will be required to take the Dissecting Ticket of this College, for at least one session. This rule does not apply to those who are already graduates of other recognized schools.

He must exhibit his tickets, or other adequate evidence of attendance on the required courses of lectures, as well as a satisfactory certificate of his entire period of study, to the Dean of the Faculty, and at the same time present to the Dean a Thesis of his own composition, correctly written in his own handwriting, on some medical subject, and give to the Faculty, at his examination, satisfactory evidence of his professional attainments.

Students who have attended one complete course in a recognized Medical School, where attendance on two complete courses is necessary for a degree, and where the same branches are taught as in this, are permitted to become candidates by an attendance here on one full course; the rules of graduation being in other respects observed. They are also exempted from the payment of fees upon attending a second term.

Students of Dental Colleges, where a five months' winter session is held, and where full courses are given on Anatomy, Materia Medica, Physiology, and Chemistry, may become candidates, after attendance on two courses at such Colleges, and one full course at the Jefferson Medical College, with another on Surgery, Practice of Medicine, and Obstetrics.

Students of Colleges of Pharmacy, where full courses are given on Materia Medica and Chemistry, may become candidates, after attendance on two courses at such Colleges, and one full course at the Jefferson Medical College, with another on Anatomy, Surgery, Practice of Medicine, Physiology, and Obstetrics.

* The word regular is here used in the sense commonly understood in the medical profession.
Students who have attended two full courses on Anatomy, Chemistry, Materia Medica, or Institutes, may be examined on any of these branches, at the end of their second course. They are thus enabled to devote their last course to the didactic lectures on the remaining branches, and to clinical study.

The attendance upon the Spring Course of lectures continues to be large, and the Faculty earnestly recommends all who have it in their power to use the facilities thus offered. But this Course, as well as any kindred or intermediate Course elsewhere, is not ranked as one of the two which are requisite for graduation.

Students, who have attended two full courses of lectures in other accredited medical colleges, are entitled to the tickets of a full course in the Jefferson Medical College for $70.

Graduates of less than ten years' standing, of other accredited medical colleges, will pay the matriculation fee, and $50 for a general ticket.

Graduates of ten years' standing, of other accredited medical colleges, are required to pay the matriculation fee only.

To graduates of approved Dental Colleges the fees for a general ticket are for the first session $60, and for the second session $100; and of Colleges of Pharmacy, the fee for a general ticket is $100 for each session.

No honorary degrees in medicine are granted; and graduates of other schools, who offer as candidates for graduation in the Jefferson Medical College, are required to attend the lectures and to pass an examination before the Faculty.

All college dues, and also the Diploma Fee, must be paid before the examination for the degree. But the Diploma Fee is returnable to any one who may withdraw from, or fail at, the examination.

All fees are payable in lawful money; promissory notes are under no circumstances accepted as payment; and no ticket is issued until full payment for the same has been made.

EXPENSES.

First Session.

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<tr>
<td>Matriculation, once paid</td>
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<tr>
<td>Full Course of Lectures</td>
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Second Session.

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<tr>
<td><strong>Total</strong></td>
<td><strong>$325</strong></td>
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</table>

PRIZES OFFERED.

The following Prizes are offered to the graduates of the Jefferson Medical College, at the annual Commencement, March, 1883:—


2. A prize of $50, to be known as the "Robley Dunglison Prize," by Dr. Richard J. Dunglison, for the best Essay on The Localization of Cerebral Functions. In memory of the late Robley Dunglison, M.D., for thirty-two years the learned and distinguished incumbent of the Chair of Institutes of Medicine in the Jefferson Medical College.

3. A Gold Medal, by R. J. Levis, M.D., one of the Surgeons to the Pennsylvania Hospital, for the best report of his surgical clinic, by a student of the Jefferson Medical College.

4. A Gold Medal, by Thos. G. Morton, M.D., one of the Surgeons to the Pennsylvania Hospital, for the best report of his surgical clinic, by a student of the Jefferson Medical College.
The Faculty also offer prizes as follows:

5. A prize of a Gold Medal, or a Case of Instruments, for the best Essay on a subject pertaining to Obstetrics, etc., or for a specimen, well described.
6. The same for the best Essay on a subject pertaining to Practice of Medicine.
7. The same for the best Anatomical preparation.
8. The same for the best Original Research in the Chemical Laboratory, or the best Essay on some Chemical Subject.
9. The same for the best original research in the Materia Medica Laboratory.
10. The same for the best Essay on a subject pertaining to Physiology.
11. The same for the best Essay on a subject pertaining to Surgery.
12. The same for the best Pathological Essay or preparation.

All preparations offered to belong to the College Museum.

Graduates cannot compete for prizes, and no student can compete for more than one Prize; and the prize for which he competes shall be entered by him at the head of his paper, or upon the specimen presented.

The papers and specimens offered must be the work of the competitor alone, and such papers will be accepted in lieu of Theses.

No Prize will be conferred unless the papers or preparations submitted shall be considered to reach a certain standard of merit.

The Examinations for the degree of M.D. do not begin until after the close of the Winter Lectures. An Examination is also held at the close of the Spring Session for those who may not have completed their full period of study in the month of March.

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, at even less rates. Board during the summer is lower than in winter.

Students will save time and expense by going directly to the College, Tenth Street above Walnut, on their arrival in the city. The Janitor will at once see them provided with board. The Dean will, if desired, attend to the collection of the drafts and checks of the student, and the safe deposit of his money.

A list of all the Graduates to date, will be sent to any Alumnus on the receipt of a return stamp; to others, on the receipt of twelve cents in stamps.

A list of the residences of the Alumni, so far as ascertained, is kept at the College. Any information on this subject will be gladly received by the Dean.

BOOKS OF REFERENCE.

I. Principles and Practice of Surgery.—Gross's System of Surgery.
II. Obstetrics and Diseases of Women and Children.—Playfair's Midwifery; Thomas, or Barnes, on Diseases of Women; Tanner on the Diseases of Infancy.
III. Materia Medica and General Therapeutics.—Bartholow's Materia Medica and Therapeutics; Bartholow's Treatise on Electricity.
IV. Institutes of Medicine.—Carpenter's Human Physiology; Kirke's Physiology.
V. Practice of Medicine.—Da Costa on Diagnosis; Bartholow's Practice of Medicine; Flint's Practice of Medicine.
VI. General, Descriptive, and Surgical Anatomy.—Gray's Anatomy, or Wilson's Anatomy; Stricker's Histology.
VII. Chemistry.—Fownes', Bloxam's, or Attfield's Chemistry; Lehmann's Physiological Chemistry, by Rogers; Taylor's Toxicology.

The Dean's office is at the College, where all business connected with the College is transacted, and where all communications relative to such business should be directed.

Letters on business of exclusive interest to the writer must inclose a return stamp to secure attention.

The Jefferson Medical College has no official journal of publication.
GRADUATES.

At a Public Commencement, held at the American Academy of Music on the 30th of March, 1882, the Degree of DOCTOR OF MEDICINE was conferred on the following gentlemen, by E. B. GARDETTE, M.D., President of the Institution, after which a Valedictory Address to the Graduates was delivered by Professor HENRY C. CHAPMAN.

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<thead>
<tr>
<th>NAME</th>
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<th>SUBJECT OF THESIS</th>
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<td>Adam, George</td>
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<td>Aneurism</td>
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SUBJECT OF THESIS.

Cause and Prevention of Contagious Disease.
Das Blut.
Pathology of Typhoid Fever.
The Sense of Well Being.
Lead Poisoning.
Traumatic Tetanus.
Gonorrhea.
Chemical Affinity.
Pyemia.
Etiology of Malarial Diseases.
Puerperal Convulsions.
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Puerperal Septicaemia.
Urea.
Diphtheria.
The Femur.
Asthma.
Notes and Observations on Diseases of Women.
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Three New Remedies, with Specimens.
Typhoid Fever.
The Action of Ergot upon the Gravid Uterus.
Etiology and Lesions of the Elbow-Joint.
Etiology of Typhoid Fever.
Report of Dr. Morton's Surgical Clinics at the Pennsylvania Hospital.
Angina Pectoris.
The Climax Toy Pistol and Tetanus in 1880 in Philadelphia.
Abuses of the Human System.
Scarlet Fever.
Veronica Hastata.
Phlebothrombosis Extremitatis in Puerpera.
Diphtheria, Sulphate of Copper the best Remedy in its local Treatment.
Report of Dr. Levis's Surgical Clinics at the Pennsylvania Hospital.
Scarlatina.
Ovariotomy.
Gun-shot Wounds of the Joints of the Extremities.
Cinchona and its Alkaloids.
Acute Bronchitis.
Morphia Hypodermically.
<table>
<thead>
<tr>
<th>NAME</th>
<th>STATE OR COUNTRY</th>
<th>SUBJECT OF THESIS</th>
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<tr>
<td>Paxson, Oric H.</td>
<td>Pennsylvania</td>
<td>Aralia Spinosa.</td>
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<td>Post, Silas B.</td>
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Young, Junius D. California. From Food to Function.
Zülich, Gustav Ohio. Influence of the Mind on the Body in Health and Disease.

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Louisiana .... 2
Canada ..... 2
Oregon ..... 3
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Pennsylvania ..., 22
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Pennsylvania ..., 22
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Pennsylvania ..., 22

The following prizes were awarded:

2. The "Robley Dunglison Prize" of $50, by Dr. Richard J. Dunglison, for the best research in Physiology, to Edwin Bergstresser; with honourable mention of the Thesis of J. Edgar Belville, of Pennsylvania.
4. A prize of a Gold Medal, by Thomas G. Morton, M.D., for the best Report of his Surgical Clinics at the Pennsylvania Hospital, to Edwin Eareckson, of Pennsylvania; also, a second prize of a work on Surgery, to David H. Melhorn, of Pennsylvania.
5. A Case of Instruments, for the best Essay on a subject pertaining to Surgery, to William Niles Powell, of Pennsylvania; with honourable mention of the Theses of John Franklin Poulkes, of California; James E. Baker, of Wisconsin; and Edwin B. Mathiot, of Pennsylvania.
6. A Case of Instruments, for the best Essay on a subject pertaining to Obstetrics, etc., to Charles L. Whitfield, of Texas; with honourable mention of the Theses of John B. Mahon, of Pennsylvania; and Luigi M. De Jesi, of Italy.
7. A Gold Medal, for the best Essay on a subject pertaining to the Practice of Medicine, to Herbert M. Seem, of Pennsylvania; with honourable mention of the Theses of Louis W. Atlee, of Pennsylvania; and Frank E. Wilson, of New York.

8. A Gold Medal, for the best Anatomical Preparation, to John Sebastian Miller, of Pennsylvania.

9. A Case of Instruments, for the best original research in the Chemical Laboratory, to Charles H. Ballentine, of Pennsylvania; with honourable mention of the Essays of Horace B. Scott, of Connecticut; and Justin D. Lisle, of Ohio.

10. A Case of Instruments, for the best original research in the Materia Medica Laboratory, to Charles A. Koder, of Pennsylvania; with honourable mention of the researches of A. Rusling Rainear, of Pennsylvania; Jason H. Moore, of Kansas; Isaac E. Clark, of Texas; and Charles A. Service, of Pennsylvania.


AT AN EXAMINATION, HELD IN JUNE, 1881,
Diplomas were awarded to John Fruit, Reid C. Matthews, and Oliver P. Stoey, of Pennsylvania.

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, the offering of prizes, the publishing of meritorious theses, the endowment of scholarships for the free medical education at the College of the sons of Alumni whose means are limited, the collection of anatomical and pathological specimens for the College museum, the maintenance and cultivation of good feeling among the Alumni, and, above all, the advancement of the interests of medical education, and the 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, as well as 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 certificate, or diploma, of life membership, and is exempt from all 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. The subscription for this purpose should be forwarded at the time of application for membership, by postal order or registered letter.

At the last annual meeting, held March 29th, 1882, the following officers were elected for the ensuing year:

**PRESIDENT**

**VICE-PRESIDENTS**
{ ELLWOOD WILSON, M.D.
ADDINEILL HEWSON, M.D.
R. J. LEVIS, M.D.

**TREASURER**
NATHAN HATFIELD, M.D.

**RECORDING SECRETARY**
THOMAS H. ANDREWS, M.D.

**CORRESPONDING SECRETARY**
RICHARD J. DUNGLISON, M.D.

**EXECUTIVE COMMITTEE.**
Drs. J. H. Brinton,
W. B. Atkinson,
F. H. Gross,
S. W. Gross,
W. H. Warder,
L. K. Baldwin,
Oscar H. Allis,
James Graham,
Theodore Gruel,

Drs. J. M. Barton,
Frank Woodbury,
Jesse Williamson,
J. B. Roberts,
T. H. Bradford,
E. E. Montgomery,
J. T. Eskridge,
R. S. Wharton,

Drs. Wm. S. Little,
H. Augustus Wilson,
Addineill Hewson, Jr.,
L. P. Stone,
A. F. Kempton,
F. P. De Grandchamp,
Charles Service,
Charles M. Wilson.
VICE-PRESIDENTS FROM THE SEVERAL STATES.

Maine—Dr. Calvin Seavey.
New Hampshire—Dr. John L. Swett.
Vermont—Dr. Joseph Draper.
Massachusetts—Dr. R. L. Hodgdon.
Rhode Island—Dr. E. T. Caswell.
Connecticut—Dr. L. J. Sanford.
New York—Dr. J. Marion Sims.
New Jersey—Dr. A. Coles.
Pennsylvania—Dr. Andrew Fleming.
Delaware—Dr. Wm. Marshall.
North Carolina—Dr. Rob't L. Payne.
Texas—Dr. Joseph M. Fort.
Tennessee—Dr. B. B. Lenoir.
Indiana—Dr. J. R. Weist.
Wisconsin—Dr. James T. Reeve.
Minnesota—Dr. Samuel D. Flagg.
Colorado—Dr. Wm. F. McClelland.
Dist. of Columbia—Dr. Jos. M. Toner.
Montana—Dr. J. Thompson.

California—Dr. R. Beverly Cole.
Arkansas—Dr. P. O. Hooper.
Dakota—Dr. J. B. Ferguson.
Georgia—Dr. Robert Battey.
Illinois—Dr. F. B. Haller.
Iowa—Dr. W. S. Robertson.
Kentucky—Dr. L. Beecher Todd.
Louisiana—Dr. David W. Foster.
Maryland—Dr. W. H. McCormick.
Michigan—Dr. J. F. Noyes.
Missouri—Dr. A. P. Lankford.
Ohio—Dr. P. S. Conner.
Oregon—Dr. O. P. S. Plummer.
Virginia—Dr. Robert T. Coleman.
West Virginia—Dr. R. W. Hazlett.
Cuba—Dr. J. J. Casanova.
Japan—Dr. Shunji Ono.
U. S. Navy—Dr. A. C. Gorgas.
U. S. Army—Dr. Charles T. Alexander.

Orator for 1883—Dr. J. Marion Sims.

Special bequests or donations for the purposes of the Association will be acknowledged in the next succeeding Announcement of the College: all anatomical and pathological specimens to be forwarded in alcohol of reduced strength—say one-fifth to one-half the strength of ordinary commercial alcohol; when received, they will be labelled with the name of the donor.

Copies of Catalogues and Announcements of the College for the following years are needed, to complete the sets now in possession of the Association, and will be thankfully received:

Catalogues—all prior to 1828-9; 1829-30; 1831-2; 1832-3; 1838-9.
Announcements—all prior to 1833; 1839; 1850; 1854.

Graduates are requested to forward to the Corresponding Secretary their present addresses, also the names and addresses of such of the Alumni of the College in good standing as may be known to them, and to report also the names of such Alumni as have died.

** Members of the Association, who have already paid annual subscriptions, are respectfully reminded that the amount is due for every consecutive year 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.

All communications relating to the Alumni Association should be addressed as below, and all matters pertaining to College business, to the Dean.

RICHARD J. DUNGLISON, M.D., Corresponding Secretary,
P. O. Box 2386, Philadelphia, Pa.