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THIRTY-FOURTH

ANNUAL ANNOUNCEMENT

OF THE

MEDICAL DEPARTMENT

OF THE

University of Vermont

AND

STATE AGRICULTURAL COLLEGE,

Burlington, Vermont,

FOR THE YEAR 1887.

BURLINGTON:
THE FREE PRESS ASSOCIATION.
1886.
Faculty of Medicine.

MATTHEW HENRY BUCKHAM, D. D.,
BURLINGTON, VT., President.

JOHN ORDRONAUX, M. D., LL. D.,
NEW YORK CITY,
Emeritus Professor of Medical Jurisprudence.

ALBERT F. A. KING, A. M., M. D.,
WASHINGTON, D. C.,
Professor of Obstetrics and Diseases of Women.

ASHBEL PARMELEE GRINNELL, M. D.,
BURLINGTON, VT.,
Professor of the Theory and Practice of Medicine;
Attending Physician to Mary Fletcher Hospital,
and Dean of the Faculty.

RUDOLPH AUGUST WITTHAUS, A. M., M. D.,
NEW YORK CITY,
Professor of Chemistry and Toxicology.

J. HENRY JACKSON, A. M., M. D.,
BARRE, VT.,
Professor of Physiology and Microscopic Anatomy;
Consulting Surgeon to Mary Fletcher Hospital.

J. WILLISTON WRIGHT, A. M., M. D.,
NEW YORK CITY,
Professor of the Principles and Practice of Surgery.

WILLIAM B. TOWLES, M. D.,
UNIVERSITY OF VIRGINIA,
Professor of General and Special Anatomy.

J. H. WOODWARD, B. S., M. D.,
BURLINGTON, VT.,
Lecturer on Materia Medica and Therapeutics.
Professors on Special Subjects.

ROBERT WILLIAM TAYLOR, M. D., NEW YORK CITY,
Professor of Diseases of the Skin and Venereal Diseases.

STEPHEN MARTINDALE ROBERTS, A. M., M. D., NEW YORK CITY,
Professor of Diseases of Children.

ADRIAN THEODORE WOODWARD, M. D., BRANDON, VT.,
Professor of Surgical Diseases of Women.

AMBROSE L. RANNEY, A. M., M. D., NEW YORK CITY,
Professor of Diseases of the Mind and Nervous System.

WILLIAM OLIVER MOORE, M. D., NEW YORK CITY,
Professor of Diseases of the Eye and Ear.

WILDER L. BURNAP, A. M., BURLINGTON, VT.,
Professor of Medical Jurisprudence.

VOLNEY G. BARBOUR, Ph. B., BURLINGTON, VT.,
Professor of Sanitary Science.

WALTER L. RANNEY, A. M., M. D., NEW YORK CITY,
Professor of Physical Diagnosis.

A. M. PHELPS, M. D.,
Professor of Orthopaedic Surgery.

GEORGE B. HOPE, M. D.,
Professor of Diseases of the Throat.

HENRY CRAIN TINKHAM, M. D., BURLINGTON, VT.,
Demonstrator of Anatomy.

Faculty to Preliminary Session of 1887.

HIRAM HAYDEN ATWATER, A. M., M. D.,
Consulting Physician to Mary Fletcher Hospital;
Instructor in Obstetrics and Diseases of Women and Children.

PROF. A. P. GRINNELL, M. D.,
Attending Physician to Mary Fletcher Hospital;
Instructor in Theory and Practice of Medicine.

ANDREW J. WILLARD, A. M., M. D.,
Superintendent of Mary Fletcher Hospital;
Instructor in Chemistry and Toxicology, and Assistant to the Chair of Chemistry.

JOHN BROOKS WHEELEER, M. D.,
Attending Surgeon to Mary Fletcher Hospital;
Instructor in Principles and Practice of Surgery.

JO HATCH LINSLEY, M. D., Burlington, VT.,
Instructor in Physiology and Microscopic Anatomy.

HENRY CRAIN TINKHAM, M. D., Burlington, VT.,
Instructor in Anatomy.

WM. B. GIBSON, M. D., C. M.,
Instructor in Materia Medica.
In this, their thirty-fourth Circular and Catalogue, the Faculty of the Medical Department of the University of Vermont are pleased to announce the progressive development and continued prosperity of the Institution. At no time since the organization of the College have its prospects been more flattering than at present:

New College Building.

The Gift of Mr. John P. Howard.

To accommodate the constantly increasing number of students, the old college buildings had been enlarged from year to year, until in 1884 it became evident that an entirely new structure would be required. At this juncture the Medical Faculty were agreeably surprised to receive from the late Mr. John P. Howard the munificent gift of a new and commodious College building. This new structure, which had been so far completed as to accommodate the greatly increased number of students in the class, has been further elaborated and entirely finished in readiness for the session of 1887. It is a substantial brick building situated on Pearl Street, on the north side of, and immediately overlooking the College Park. It is provided with an amphitheatre capable of comfortably seating three hundred and fifty students. The laboratories for Practical Chemistry and Physiology, and the Dissecting Room for Practical Anatomy, are ample in size, and supplied with every modern convenience that may contribute to the comfort of the student, and facilitate his work.

The College Museum is spacious, well lighted, and contains a large collection of carefully prepared specimens,—many of them rare,—illustrating alike normal and pathological structures.

The entire edifice is heated by steam, thoroughly ventilated, and in all its appointments completely adapted to Medical teaching.

Among the many magnificent and liberal gifts—amounting in the aggregate to nearly half a million dollars—which Mr. Howard has so generously bestowed upon the City of Burlington, none will reflect more lasting praise or elicit more grateful acknowledgment than this much needed and elaborate College Building, erected for the promotion of Medical Education and dedicated to the advancement of Medical Science.
Plan of Instruction.

The plan of instruction adopted by this Institution comprises a complete course of Scholastic Lectures upon the seven essential branches of Medical Science, viz: Anatomy, Physiology, Chemistry, Materia Medica and Therapeutics, Surgery, Obstetrics, and the Theory and Practice of Medicine.

The facilities for Clinical instruction in the Practical branches are in every respect ample and complete. Nine years ago

The Mary Fletcher Hospital,
erected solely by the generosity of the lady whose honored name it bears, was opened for the reception of patients. At the time of its construction Miss Fletcher added to the Hospital Buildings a splendid amphitheatre, specially adapted to clinical teaching, and designed to offer additional advantages in the way of clinical instruction to the Medical Students of this College—a purpose which has been fully realized, and for which students and Faculty are alike grateful to the respected donor.

In order to render the several courses of instruction as thorough as possible, the Faculty have selected a number of medical gentlemen to lecture upon special subjects. Such parts of the regular course as are not taught in detail by the regular Professors will thus receive special attention from gentlemen who are acknowledged authorities in their respective specialties, each one giving a short and practical course of lectures.

This plan, which was adopted for the first time ten years ago, has been of great value to, and is highly appreciated by, the students, since it enables them to obtain a more exact practical knowledge of important subjects than they can receive from the general lecture course.

The Faculty are pleased to announce the continuance of Professors Robert W. Taylor, Stephen M. Roberts, A. T. Woodward, Ambrose L. Ranney, William O. Moore and Wilder L. Burnap. They also take pleasure in stating that A. M. Phelps, as Professor of Orthopedic Surgery, Walter L. Ranney, Professor of Physical Diagnosis, George B. Hope, Professor of Diseases of the Throat, and Volney G. Barbour, Ph. B., Professor of Sanitary Science, have been engaged to lecture during the session of 1887.

These lectures on special subjects are delivered during the regular session, without extra expense, and not in the preliminary term, as is the custom in most Colleges.
GENERAL OUTLINE OF THE

COURSE OF LECTURES.

OBSTETRICS AND DISEASES OF WOMEN.

 PROF. A. F. A. KING.

Prof. King holds the same Chair in the Columbian University, at Washington, D. C., and was for many years one of the attending physicians to Providence Hospital in that city, and is now one of the attending physicians to the Children's Hospital.

This course will comprise a series of Lectures on the Science and Practice of Midwifery, together with additional lectures on Gynecology. The lectures on Obstetrics will be illustrated by an elaborate collection of life-sized diagrams, together with natural preparations and papier-mache models, exhibiting the anatomy and physiology of reproduction in all its stages. The mechanism and practical management of natural and preter-natural labors will be demonstrated upon appropriate manikins, and obstetrical instruments of all kinds will be exhibited, and their uses fully explained. An improved elastic manikin has been imported by the Faculty from Paris, for demonstration in obstetrics for the next session.

The department of Gynecology, which has of late obtained so great a prominence in medical practice, will be thoroughly taught, both as regards theory and practice, and all instrumental and other appliances required in treating the diseases of females, will be presented. A complete assortment of instruments, and a new collection of colored diagrams, will form an attractive feature in this department.

PRACTICE OF MEDICINE.

 PROF. A. P. GRINNELL.

So far as possible, the instruction in this department will consist of clinical and didactic Lectures, given in such a manner as will best enable the student to become thoroughly acquainted with the symptoms, pathology, and treatment of disease,—exhibiting the practical applications of remedies at the bedside.

The Hospital will supply a sufficient number of patients who will receive treatment before the class, giving the students the opportunity of witnessing the methods adopted for investigation of disease in practice. Morbid specimens, casts and diagrams will be employed to illustrate the Lectures,
CHEMISTRY AND TOXICOLOGY.

PROF. RUDOLPH A. WITTHAUS.

The instruction in this department will be adapted to the special requirements of the practitioner in medicine. The philosophy of Chemistry will be taught in such a manner as to afford the students a firm ground-work for the rational study of the subject. Those portions of practical chemistry having a direct bearing upon physiology, pathology and therapeutics will be particularly dwelt upon, to the exclusion of those portions which are of mere technical interest. The important application of chemistry to the science of poisons will receive particular attention.

In the new College building a commodious and well-appointed practical laboratory has been provided, in which special instruction is given in the chemical manipulations required in the examination of Urine, in Toxicology, and in such analytical processes as are required of the physician.

PHYSIOLOGY AND MICROSCOPIC ANATOMY.

PROF. J. HENRY JACKSON.

The course on this subject will include lectures and demonstrations on the entire human physiology, amply illustrated by the use of the microscope, and by experiments on animals so far as possible.

The study of the physiology of each organ is also preceded by a full consideration of its minute anatomy. This branch will be fully demonstrated by carefully prepared diagrams and charts.

PRINCIPLES AND PRACTICE OF SURGERY.

PROF. J. WILLISTON WRIGHT.

The course on Surgery will consist in didactic and clinical lectures, illustrated by plates, diagrams and surgical apparatus in general. All of the more important surgical operations will be performed, on the cadaver, before the class. On Wednesday and Saturday of each week, during the surgical course, a clinic will be held in the large amphitheatre of the Mary Fletcher Hospital, where the abundant supply of material coming, as heretofore, from all parts of the State, will enable the student to witness a large number of the capital operations of surgery.

GENERAL, DESCRIPTIVE and SURGICAL ANATOMY.

PROF. WILLIAM B. TOWLES.

The lectures in this course will be fully illustrated by drawings, diagrams, models, preparations and dissections on the cadaver. The object will be to render the instruction thoroughly practical, by as com-
complete illustration as possible of the facts taught, and by frequent examinations on preparations and dissections.

**MATERIA MEDICA AND THERAPEUTICS.**

**PROF. J. H. WOODWARD.**

The instruction in this department will be as comprehensive and thorough as possible. It will aim to give the student a practical knowledge of the subject, founded upon a scientific basis.

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**Lectures on Special Subjects.**

The faculty being desirous of affording to the student every facility for the study of the various departments of medicine have established the following special courses, which will be extended hereafter, and it is believed that, with this addition to the regular curriculum, the advantages afforded by this College are unsurpassed by any medical institution outside of our large cities.

**DISEASES OF THE SKIN.**

Prof. Robert W. Taylor, one of the physicians to Charity Hospital, New York, whose labors in this department of medicine are well known to the profession, will deliver a course of lectures on this subject, illustrated by plates, diagrams, and microscopic specimens. He will also hold several clinics, thus giving the students an opportunity of becoming familiar with the latest views on the subject of Dermatology.

**DISEASES OF CHILDREN.**

Prof. Stephen M. Roberts will deliver a course of lectures on Diseases of Infancy and Childhood, a department of study generally either completely ignored, or but very superficially treated, although of the utmost importance to the practicing physician.

**SURGICAL DISEASES OF WOMEN.**

Prof. A. T. Woodward, of Brandon, Vt., will give during the first part of the session a course of lectures on the Surgical Diseases of Women. The lectures will embrace subjects to which Dr. Woodward has for many years given special attention.

**DISEASES OF THE EYE AND EAR.**

Prof. William Oliver Moore, of New York City, will give a course of lectures on the Diseases of the Eye and Ear. He will hold daily clinics during his course, so that the student will be able to witness most of the important operations in this department.
DISEASES OF THE MIND AND NERVOUS SYSTEM.

The course of lectures on Diseases of the Mind and Nervous System will be delivered by Prof. Ambrose L. Ranney. The lectures will be both clinical and scholastic, and will have special reference to the improved methods of research and treatment established by the most recent investigations. Electricity, in its relation to the nervous system, both in health and disease, will be the subject of particular attention.

MEDICAL JURISPRUDENCE.

For many years the teaching of Medical Jurisprudence has been neglected in most of the Medical Colleges, but is now generally regarded as one of the essentials of a thorough professional education; and has properly been made compulsory in many States. Believing that a knowledge of the science is of prime importance to physicians, especially where medico-legal investigations require from them expert testimony, the Faculty feel sure that in restoring the lectures in this department to the general curriculum of study, they have added materially to its importance and completeness.

The legal attainments and character of the gentleman who now holds the chair upon this subject, is sufficient guarantee that the course will be thorough and practical.

SANITARY SCIENCE.

The subjects of the proposed course of lectures are the ventilation and warming of buildings, the principles of house drainage, the proper arrangement of soil and waste pipes, the various plumbing fixtures, the methods of testing complete work, the sewerage of cities and towns, and the methods employed for the removal and disposal of sewerage.

PHYSICAL DIAGNOSIS.

Especial attention will be given to the differentiation of Thoracic Diseases and to practical instruction in the different methods of Examination of the Chest.

DISEASES OF THE THROAT AND NOSE.

Prof. George B. Hope will deliver a course of ten lectures on Diseases of the Throat and Nose. At his clinic, demonstrations will be given, and Laryngoscopy and Rhinoscopy taught.
ORTHOPÆDIC SURGERY.

Prof. A. M. Phelps, who has for many years been occupied in the treatment of deformities, diseases of the spine and joints, and who has devoted a great deal of time to this branch of surgery in the hospitals of Europe, will deliver a course on Orthopaedic Surgery, exhibiting at his clinics the practical use of apparatus.

CLINICAL ADVANTAGES.

THE MARY FLETCHER HOSPITAL.

The Faculty and Students of this College are especially indebted to a public-spirited lady of Burlington, Miss Mary Fletcher, who with munificent liberality donated from her private funds, eleven years ago, the sum of $200,000 for the building and endowment of a magnificent General Hospital, bearing her name, upon grounds immediately adjoining those of the University, and has since bequeathed to the Hospital, by will, the additional sum of $200,000.

This Hospital consists of a large and elegant administrative building, with a large number of rooms for private patients, and two large pavilion wards. In a separate building, connecting with the wards and administrative building by a corridor, is a large amphitheatre, capable of seating two hundred persons. There are also an anesthetizing and a recovery room opening into the amphitheatre. Rooms for out-patients are also attached to this building. In fact, every arrangement for Clinical instruction is found here.

In the amphitheatre, Medical and Surgical Clinics will be held during the regular session, to which all the students are admitted without extra charge.

There is also a Pathological Room capable of seating about one hundred students. Here, during the session, all the post-mortem examinations will be held in the presence of the class, and lectures will be delivered on Pathological Anatomy and Histology.

The following are members of the Medical and Surgical Board of the Hospital, who are connected with the Medical College:

- **Consulting Physician:** Dr. H. H. Atwater.
- **Attending Physician:** Prof. A. P. Grinnell.
- **Resident Physician and Superintendent:** Dr. A. J. Willard.

- **Consulting Surgeon:** Prof. J. Henry Jackson.
- **Attending Surgeon:** Dr. J. B. Wheeler.
COLLEGE CLINICS.

The following College Clinics will be held during the regular term. Patients presenting themselves at these Clinics for advice and treatment are examined, the peculiarities of each case are explained, the appropriate treatment is prescribed, and the requisite surgical operations are performed before the class.

A Medical Clinic will be held on Wednesday by Prof. Grinnell during the first half and by Prof. King during the latter half of the term.

A Surgical Clinic will be held by Prof. Wright every Saturday morning, from 9 to 12 o'clock, and every Wednesday afternoon from 3 to 4 o'clock, during the latter half of the session. A large number of surgical operations will be performed at these clinics.

A Clinic for Diseases of the Eye and Ear, by Dr. Moore, will be held during his course of lectures.

A Clinic for Diseases of the Skin, by Prof. Taylor, will be held during his course of lectures.

A Clinic for Diseases of Children will be held by Prof. Roberts.

A Clinic for Diseases of the Nervous System will be held during Prof. Ranney's course of lectures.

A Clinic for Diseases of the Throat will be held during the course.

Due notice of the time of holding the above Clinics will be given.

Among the operations performed before the Medical Class during the past year, are the following:

3 cases of Strabismus.
2 " Enucleation of Eyeball.
1 " Iridectomy.
1 " Lacrymal fistula.
1 " Canthoplasty.
1 " Pterygium.
2 " Cancer of breast.
3 " Fatty tumor, one of upper arm, one of buttock, one lying beneath infra-spinatus and teres minor muscles.
1 " Myxo-chondroma parotid region.
1 " Cheiloplasty.
1 " Hare-lip.
1 Case of Lithotritry, (Bigelow's).
1 " Median Lithotomy, (for multiple prostatic calculi).
3 " Necrosis, (one of femur, two of tibia).
3 " Osteotomy, (one of femur, two of tibia).
3 " Excision of knee.
3 " Amputation of thigh, (one in upper third, two in lower third.)
1 " Amputation of upper arm.
2 " Talipes, (tenotomy by open incision).
1 " Nephrectomy.
1 " Ovariotomy.
1 " Fibroid tumor of Uterus.
1 " Perineoraphy.

Special Practical Instruction.

Courses in practical manipulation and study are advised as supplemental to the regular methods of scholastic and clinical teaching, with a view to more perfectly drilling the student in the actual performance of the various methods of diagnosis and treatment employed by the physician.

Students may avail themselves of the following private courses offered in connection with this Institution; but it is optional except in Practical Anatomy, with the student which, if any, of these courses he shall follow.

PRACTICAL ANATOMY.

H. C. Tinkham, M. D., Demonstrator of Anatomy.

As a thorough knowledge of Anatomy is only to be obtained by dissection, every student is strongly recommended by the Faculty to dissect as much as possible during his course of study. The dissecting room of the new College is large, commodious and well ventilated and lighted. Material is furnished free. The Demonstrator will be in daily attendance during the regular and preliminary terms.

The practical Anatomy fee of $10.00 includes material and entitles each student to all the advantages of the dissecting room during the Winter and Spring Course without further charge. Every new matriculant will be required to take out the practical Anatomy ticket either in the Preliminary or Regular term, and this entitles him to the privileges of the dissecting room at all times without further expense.
URINARY ANALYSIS.

R. A. Witthaus, M. D., *Professor of Chemistry.*

Jo H. Linsley, M. D., *Laboratory Instructor.*

Instruction in Practical Urinary Analysis will be given during the preliminary and regular terms, under the supervision of the Professor of Chemistry. It is recommended that those attending the preliminary term take this course at that time.

*Fee $10.00 (including the cost of material.)*

TOXICOLOGY.

R. A. Witthaus, M. D., *Professor of Toxicology.*

Opportunity is given during the regular term to such students as may desire to receive practical laboratory instruction in the detection of poisons in the cadaver, as well as in the excreta during life.

*Fee $10.00 (including the cost of material.)*

PHYSICAL DIAGNOSIS.

Walter L. Ranney, *Professor of Physical Diagnosis.*

Students in this course will have the opportunity to examine cases and make diagnoses.

*Fee $8.00. Ten lessons.*

MICROSCOPY.

J. H. Jackson, M. D., *Professor of Physiology and Microscopic Anatomy.*

Instruction in the use of the microscope and in the preparation and mounting of normal and pathological specimens, and of urinary deposits, will be given in the recently established physiological laboratory, by the professor of this branch in person, or by Jo H. Linsley, M. D., Instructor in Physiology.

*Fee $10.00 (including the cost of material.)*

MINOR SURGERY AND BANDAGING.


Practical instruction on this subject embraces the application of bandages, the various methods of dressing used in the treatment of wounds, fractures and dislocations, etc.

*Fee $5.00.*
DISEASES OF THE THROAT AND NOSE.

Prof. Geo. B. Hope.

A special class will be formed for practical instruction in the Examination and Treatment of Diseases of the Throat.
Fee $5.00.

OPERATIVE SURGERY.

J. B. Wheeler, M. D., Instructor in Surgery.

Students will be instructed in the various operations upon the cadaver.
Fee $15.00.

PHYSICAL EXAMINATION OF THE EYE AND EAR.

W. O. Moore, M. D., Professor of Diseases of the Eye and Ear.

The teaching on these subjects will include instruction in the use of the ophthalmoscope, and of the instruments used in examination of the ear.
Fee $5.00.

Requirements for Graduation.

Candidates for the degree of Doctor of Medicine, before presenting themselves for examination must have attended at least two full courses of lectures of twenty weeks duration each, the latter at this college, and the time elapsing between the beginning of the first and the ending of the second being at least fifteen months. The candidate must have studied medicine three years, must have attained the age of twenty-one years, and must present full certificates of the time of his study, of age, and of moral character. Each candidate is required to deposit his examination fee with the Secretary of the Faculty one month before the close of the session, and to furnish evidence of having pursued the study of practical anatomy under the direction of a demonstrator. He must also pass a satisfactory written or oral examination before the medical Faculty and Board of Medical Examiners appointed by the State Medical Society. No thesis is required.

Two full courses of lectures of at least twenty weeks each are absolutely required, and no period of practice will be taken as an equivalent of one course.

The only courses of lectures recognized by this Faculty are those taken

*The lecture course having been extended last session from sixteen to twenty weeks, attendance upon courses in this college during past years will be accepted under the above requirement.
at Medical Colleges recognized by the American Medical Association. The tickets and diplomas of Eclectic, Homœopathic, or Botanic colleges, or of colleges devoted to any special system of medicine, are considered irregular, and will not be recognized under any circumstances. Certificates from preceptors who practice any particular system of medicine, or who advertise, or violate in any way the Code of Ethics adopted by the profession, will not be received under any circumstances, even if the preceptors be regular graduates in medicine.

Graduates of other regular colleges who desire a degree from this University must pass a satisfactory examination in the branches of Anatomy, Physiology, Chemistry, Materia Medica, Practice of Medicine, Surgery and Obstetrics. No thesis is required.

British registered practitioners who are legally qualified to practice both medicine and surgery, of good standing and furnished with proper credentials, who are medical graduates of a university of Great Britain or Ireland, or licentiates, members or fellows of a royal college of physicians or surgeons of Great Britain or Ireland, will be allowed to proceed to the Medical Degree in this University upon passing a satisfactory examination in the branches of Anatomy, Physiology, Chemistry, Materia Medica, Practice of Medicine, Surgery and Obstetrics, and upon payment of the required fee. Residence is not required from foreign candidates for the degree of Doctor of Medicine, who must, however, appear in person for examination between July 12th and July 18th. Degrees in absentia are not conferred by this University under any circumstances whatsoever.

SPECIAL EXAMINATIONS IN THE ELEMENTARY DEPARTMENTS.

Students who have attended two full Courses of Lectures in all departments taught in the College, may be examined upon Anatomy, Physiology, Chemistry, and Materia Medica at the end of the second course, and if they be successful in these examinations will be examined at the end of the third course upon Practice of Medicine, Surgery and Obstetrics only. Candidates for the primary examinations will be required to pay three-fifths of the examination fee. The primary examinations are held at the close of the regular session only. The certificate and the remainder of the examination fee are to be handed to the Secretary at the regular time before the final examination. Students who have passed the primary examinations are required to attend another full course of lectures before they can be admitted to their final examinations. Students who desire to graduate by passing the primary examination, and afterwards the final examination upon the three practical departments, must attend three full courses of lectures. Certificates of having passed the primary branches in other Colleges are not accepted by this College.
REGULAR TERM.

THE REGULAR WINTER COURSE OF LECTURES.

The session of 1887 will commence on the first Thursday of March, and will continue twenty weeks. This course will consist of from five to six lectures daily, in the various departments of Medicine and Surgery. The regular term opens the first Thursday in March each year.

FEES FOR THE REGULAR SESSION.

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<tr>
<th>Description</th>
<th>Fee</th>
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<tr>
<td>Matriculation Fee — Payable Each Term</td>
<td>$5.00</td>
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<tr>
<td>Fees for the Full Course of Lectures by All the Professors</td>
<td>75.00</td>
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<tr>
<td>Single Tickets</td>
<td>12.00</td>
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<tr>
<td>Perpetual Ticket, good for any number of Regular Courses</td>
<td>125.00</td>
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<tr>
<td>Examination Fee, (payable once only and not returnable)</td>
<td>25.00</td>
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<tr>
<td>&quot; &quot; Primary Branches, (payable once only and not returnable)</td>
<td>15.00</td>
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<tr>
<td>Examination Fee, Final Branches, (payable once only and not returnable)</td>
<td>10.00</td>
</tr>
<tr>
<td>Demonstrator's Fee, required of every new matriculent, (including Dissecting Material, payable but once)</td>
<td>10.00</td>
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Students who have already attended two full courses of lectures in some other regular Medical School or schools, are admitted on paying the matriculation fee and $40.00.

Students who have attended one full course in this College and one full course in some other regular Medical School, are admitted on paying the matriculation fee and $25.00.

Students who have attended two full courses in this College are admitted to subsequent courses on payment of the matriculation fee only.

Graduates of less than five years standing of other regular American Medical Schools are admitted on payment of the matriculation fee and $25.00.

Foreign applicants (see page 14) for the Medical Degree of this University, are admitted on payment of a fee of eight guineas.

Graduates of this school are admitted without fee.

Theological students are admitted on payment of the matriculation fee only, unless intending to graduate in medicine, in which case they will be required to conform to the above conditions.
Preliminary Term to Session of 1887.

RECITATIONS AND LECTURES.

A Preliminary Course of Lectures and Recitations on Anatomy, Physiology, Chemistry, Materia Medica, Surgery, Obstetrics, the Principles and Practice of Medicine, Diseases of Women, and their auxiliary branches, will be given, commencing on the first Thursday of November each year, and continuing until the following March. Opportunity will be offered for private dissection. Material will be furnished at cost. Daily demonstrations will be made by the Instructor in Anatomy. The fee for the above course is $35.

Attendance upon this term is optional with the student, and it is not reckoned as a Course of Lectures. Students, however, are earnestly advised to attend this course, as they are thus better prepared to comprehend the lectures in the Regular Course.

CORPS OF INSTRUCTORS.

PROF. A. P. GRINNELL, Theory and Practice.

DR. H. H. ATWATER, Obstetrics and Diseases of Women and Children.

DR. WM. B. GIBSON, M. D., C. M., Materia Medica and Therapeutics.

DR. A. J. WILLARD, Chemistry.

DR. JOHANNES H. LINSLEY, Physiology and Microscopic Anatomy.

DR. JOHN B. WHEELER, Surgery.

DR. H. C. TINKHAM, Anatomy.

Letters requiring information should be directed to

PROF. A. P. GRINNELL, Burlington, Vt.,

Dean of the Faculty.

Or to DR. JOHANNES H. LINSLEY,

Secretary Preliminary Course.
FACULTY PRIZES.

To take the place of the prizes which have heretofore been open to the graduating class, the Faculty have established two prizes for general proficiency in examination—a First Prize of Fifty Dollars, and a Second Prize of Twenty-five Dollars. These prizes will hereafter be awarded as follows:

The ten students who pass the best examinations for their degree will be allowed to compete in a written examination for the prizes; of this number the five who pass most perfectly shall be called Honor Men, and will each receive a Special Diploma of Honor, and of these last, those who are deemed worthy shall receive respectively the first and second prizes.

The Honor Men for the Class of 1886 were:


First Prize—F. E. Daigneau.
Second Prize—E. L. E. Castleton.

BOARD.

Board may be obtained for from $3.50 to $5.00 per week. Good accommodations furnished students who wish to board themselves. Many adopt this method at a great reduction in expense. Students who intend to board themselves will find such bedding and culinary articles as they may require furnished with the rooms.

After registering, every student is furnished with a certificate entitling him to half fare on all Railroad and Steamboat lines running into Burlington.
TEXT BOOKS
AND WORKS OF REFERENCE.

The work first named on each subject is preferred.


On Physiology:—Yeo's Manual of Physiology, Dalton's Human Physiology, Foster, Flint's.


On Diseases of Women:—Thomas, or Barnes, Byford, 3d edition, Edis, Munde's Minor Surgical Gynaecology.


On Surgery:—Bryant, Druitt (Eng. Ed.,) Gross, Paget's Surgical Pathology, Billroth's Surgical Pathology, Heath's Minor Surgery and Bandaging, Ranney's Surgical Diagnosis.

On Diseases of the Urinary Organs:—Bumstead & Taylor, Gouley, Van Buren & Keyes.

On Diseases of the Eye and Ear:—Roosa on Diseases of the Ear, Lawson on Diseases of the Eye; Stellwag on Diseases of the Eye.

On Medical Jurisprudence:—Wharton & Stille, Ordronaux, Peck, Taylor.

On Diseases of Children:—Steiner, Smith, Day.

On Diseases of the Skin:—Fox, Piffard, Liveing.

On Diseases of the Nervous System:—Hammond.

For Reference:—Dunglison's Medical Dictionary.

Medical Alumni Association.

Graduates of the Medical Department are earnestly requested to forward their names, residences, post office address, and other items of personal interest, to the undersigned.

The payment of one dollar entitles you to membership, and you will be furnished with a copy of the Annual and General Catalogue.

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Homer Abelbert Bogu e, Vermont.
Charles Orson Brigham, Vermont.
Lucien Daniel Campbell, Colorado.
Edward L. E. Castleton, Texas.
Henry Elmer Center, Vermont.
Fredrick William Comings, Vermont.
William Henry Conterman, New York.
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Edward Everett Hawes, Maine.
George Clarence Horn,............................................ Maine.
Enoch Austin Jackman,........................................ New Hampshire.
William James,.................................................. Connecticut.
Henry Vickers Johnstone,..................................... Vermont.
Bartholomew Patrick Kelleher,.............................. Maine.
Albert Erving Kilgore,........................................ Maine.
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Benjamin Franklin Millington,.............................. Pennsylvania.
Herbert Llewellyn Newell,................................... Vermont.
Albert Decatur Patten,........................................ Vermont.
Charles Fremont Phinney,.................................... Maine.
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Elmer Ellsworth Thurbur,.................................... New York.
Theodore Mayglore Togus,................................... New Hampshire.
Jacques Joseph Trudel,....................................... Massachusetts.
William Dunn Ward,........................................... Massachusetts.
Horace Whitefield Worthen,................................ Vermont.
### MEDICAL CLASS, 1886.

<table>
<thead>
<tr>
<th>NAME</th>
<th>RESIDENCE</th>
<th>PRECEPTOR</th>
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<tbody>
<tr>
<td>L. M. Allerton</td>
<td>Nangatuck, Ct.</td>
<td>A. Mery.</td>
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<td>H. A. Bogue</td>
<td>Irasburgh, Vt.</td>
<td>C. V. Bogue.</td>
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<td>E. Bernier</td>
<td>Manchester, N. H.</td>
<td>G. Lanouette.</td>
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<td>C. H. Bradbury</td>
<td>Burlington, Me.</td>
<td>S. Bradbury.</td>
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<td>E. W. Boyer</td>
<td>Bridgewater, Me.</td>
<td>W. W. White.</td>
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<td>V. M. Burdick</td>
<td>Dexter, Me.</td>
<td>W. A. Bump.</td>
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<td>A. D. Bailey</td>
<td>Windsor, N. Y.</td>
<td>A. B. Stetson.</td>
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<td>*J. T. Cass</td>
<td>Watertown, N. Y.</td>
<td>S. R. Wells.</td>
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<td>A. Cooper</td>
<td>So. Berwick, Me.</td>
<td>T. E. Brigham.</td>
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<td>H. E. Center</td>
<td>Pearl, Vt.</td>
<td>C. W. Petty.</td>
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<td>P. J. Cox</td>
<td>Lawrence, Mass.</td>
<td>J. A. Magee.</td>
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<td>E. L. E. Castleton</td>
<td>Houston, Tex.</td>
<td>Stewart &amp; Boyles</td>
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<td>F. E. Colby</td>
<td>Bow Mills, N. H.</td>
<td>A. P. Chisly.</td>
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<td>J. M. Cushing</td>
<td>Haverhill, Me.</td>
<td>G. A. Matham.</td>
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<td>J. M. Cheney</td>
<td>Ashland, N. H.</td>
<td>M. C. Spaniding</td>
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<td>L. W. Clough</td>
<td>Concord, N. H.</td>
<td>G. P. Conn.</td>
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<td>L. D. Campbell</td>
<td>Breckinridge, Colorado</td>
<td>J. A. Campbell.</td>
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<td>A. B. Cushman</td>
<td>New Bedford, Me.</td>
<td>S. W. Hays.</td>
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<td>E. T. Davis</td>
<td>Montgomery, Vt.</td>
<td>B. W. Davis.</td>
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<td>C. R. Draper</td>
<td>Sheldon, Vt.</td>
<td>Linsley &amp; Tinkham</td>
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<td>A. Day</td>
<td>Buffalo, N. Y.</td>
<td>S. W. Davidson.</td>
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<td>A. Ellison</td>
<td>Hemrods, N. Y.</td>
<td>C. M. Von Dyke.</td>
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<td>T. Enright</td>
<td>So. Burlington, Vt.</td>
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<td>J. A. Fraser</td>
<td>Charlottstown, Prince Ed.</td>
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THE DEPARTMENT OF APPLIED SCIENCE,
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