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University of Vermont, College of Medicine Bulletin

University of Vermont

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THE VERMONT BULLETIN

JULY, 1929

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The University of Vermont

and

State Agricultural College

The College of Medicine Number

Published by the University of Vermont and State Agricultural College, Burlington, Vermont, eight times a year; in October, November, December, January, February, March, April and July, and entered as second-class matter June 6, 1907, under Act of Congress of July 16, 1894.
Examinations for Advancement in Course and for Advanced Standing ................. September 14, 16 and 17
Opening Address .................. Wednesday, September 18, 10.00 a.m.
Regular Exercises begin ........... Friday, September 20, 7.30 a.m.
Registration ends .................. Friday, September 27
Thanksgiving Recess ............... Thursday, November 28
Christmas Recess, Saturday, December 21, 1929, 7.30 a.m. to Friday, January 3, 1930, 7.30 a.m.

Class Work resumed ............... Friday, January 3, 7.30 a.m.
Mid-year Examinations, Monday, January 27 to Saturday, February 1
Enrollment for Second Semester ..... Saturday, February 1
Second Semester begins ............ Monday, February 3, 7.30 a.m.
Easter Recess, Saturday, March 29, 7.30 to Tuesday, April 8, 7.30 a.m.
Founder's Day ..................... Saturday, April 26
Memorial Day ........................ Friday, May 30
Final Examinations ............... Thursday, June 5 to Thursday, June 12
Events of Commencement Week, Friday, June 13 to Monday, June 16
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ADMINISTRATION

The University of Vermont consists of four colleges, viz.: The College of Arts and Sciences, The College of Engineering, The College of Agriculture and The College of Medicine. The College of Medicine is a member of the Association of American Medical Colleges and is rated as a Class A institution by the Council on Medical Education and Hospitals of the American Medical Association. The excellent record of the graduates of this college and the high standing of the institution is, in large measure, the result of the intensive instruction given in small sections in lecture, laboratory and clinic. The moderate tuition fee makes it possible for a student of limited means to prepare for the medical profession.

Students who have not received the academic training necessary for admission to the College of Medicine are referred to the Catalogue of the University which gives a full description of the curricula in the College of Arts and Sciences serving this purpose.

Inquiries as to admission to the University, requests for catalogues and bulletins, and information concerning the alumni should be addressed to the Registrar of the University.

Requests for information and correspondence of a general character concerning the work of the institution as a whole, or its relation to its constituency, should be addressed to the President.

All telephones are listed under "The University of Vermont." Strangers unfamiliar with the institution and desiring information concerning the University may secure the same during office hours by calling either telephone number 899 or 140.

HISTORY

The College of Medicine of the University of Vermont is one of the oldest institutions of its kind in the United States. A lecturer on Chirurgery and Anatomy was appointed by the Trustees of the University Corporation on August 16, 1804. The first full and regular course of lectures, however, was not given until the fall of 1822. In 1829 a Medical College building was erected at the south end of the campus. In 1836 the College was abandoned because of the death of some of its leading spirits and for lack of students. There had been graduated up to that time one hundred and sixteen men.
The reorganization and successful re-establishment of this school were due chiefly to the efforts of Dr. S. W. Thayer, then a practitioner at Northfield. His efforts date back to 1840 and finally were successful in 1853. Dr. Levi W. Bliss of Bradford was also active in securing the reopening of the College. The prosperity of the newly organized department in 1854 soon became manifest, and a material enlargement of the old Medical College building, at the head of Main street, was demanded. A sum was raised and the necessary improvements made. In 1870 the citizens of Burlington contributed an additional sum of two thousand five hundred dollars to enlarge the building further by the addition of a wing and to increase the seating capacity of the two lecture rooms. In 1884 the late John P. Howard generously gave a commodious building at the head of Pearl street which was occupied first in 1885.

Until 1899 the relation of the College to the University was chiefly nominal. It was then reorganized and made a co-ordinate department of the University under the control of the Board of Trustees and its facilities both for teaching and study were increased materially. New rooms and improved apparatus were added and additional instructors secured. In 1903 the course was lengthened to seven months and in 1907 to seven and one-half months, giving thirty weeks of actual instruction. In December, 1903, the building which had been occupied by the College for twenty years was destroyed by fire. A new building was begun in August, 1904, and was dedicated in June, 1905.

In 1911 the faculty of the College of Medicine was reorganized and the department made an integral part of the University system. With the opening of the college year of 1912 the entrance requirements were raised to one year of collegiate work and the college year was made equal in length to that of the academic colleges. Beginning in September, 1917, a regulation went into force, providing that two full years of academic college work should be required for admission. So far as can be foreseen the requirements will not be raised above this standard. In 1920 women were admitted to the College of Medicine. In 1928 the Preceptor System of teaching in a modified form was introduced tentatively for the Senior class.
THE COLLEGE OF MEDICINE BUILDING

The College of Medicine building, located at the north end of the College Green, is a capacious and substantial structure, one hundred seventy feet long, seventy-five feet wide and three stories high. It is built of red brick with gray terra-cotta trimmings and is fire-proof.

This modern building is well equipped for teaching all branches of medical science, and includes up-to-date facilities for laboratory work. The Medical Library, a division of the University Library, and the Pathological and Anatomical Museums and administrative offices of the University are in this building.

CLINICAL FACILITIES

The clinical facilities of the College have been greatly extended during the year. The institutions which are now available to the college for teaching purposes include the Mary Fletcher Hospital, the Laboratory of the State Board of Health, the College Dispensary, DeGoesbriand Hospital, the Fanny Allen Hospital, the Vermont State Home for Destitute Children, and the Elizabeth Lund Home—all located in Burlington; the Vermont State Hospital for the Insane, at Waterbury; the State Industrial School, at Vergennes; the Vermont Sanatorium and Caverly Preventorium, at Pittsford; and the Brandon State School for Feeble-minded Children at Brandon.

The heads, or other officers, of several of the above named institutions are members of the Faculty of the College of Medicine, and are, therefore, in a position more intelligently and effectively to correlate the clinical work in their respective institutions with the didactic work of the college than would otherwise be possible.

Each student in the Senior class now receives, in addition to the instruction given in the intra-mural group of institutions, two weeks of intensive instruction in each of five institutions of the extra-mural group, and four weeks each with a Preceptor in general practice in a rural town of Vermont.

DISPENSARIES

Two dispensaries are maintained by the College; one at the Mary Fletcher Hospital, and one at 110 Pearl Street. By arrangement
between the Department of Charities of the city and the College, the sick poor both ambulatory and "bed" cases are committed to the care of the authorities of the College. A director with a competent staff is in charge of both interne and extern service. Both Junior and Senior students are assigned definite duties in rotation to both internes and outside service, under the personal supervision of a competent officer.

MATERNITY SERVICE

The College maintains a maternity ward at the Mary Fletcher Hospital, to which students are assigned in rotation.

The Elizabeth Lund Home, as well as the ward at the above named hospital, is under the immediate direction of the Professor of Obstetrics of the College, insuring as close contact and correlation of didactic and clinical instruction as is possible.

PEDIATRICS

The wards of the three local hospitals, the Vermont State Home for Destitute Children, and the Elizabeth Lund Home, together, furnish a total of four hundred children; the Industrial School, about four hundred; the Preventorium, forty; and the Brandon State School four hundred; ample material, and each institution, being under the personal direction of a member of the teaching staff, permits the method of teaching that is of the greatest practical value.

VERMONT STATE HOSPITAL

This institution with eight hundred and fifty beds is of sufficient capacity to make it possible for the teacher to carry out what is regarded by many as an ideal method of teaching a clinical subject; that is, by arrangement of subject matter by the teacher in such a manner as to give it the order and emphasis it properly deserves, and finding in the hospital at the moment cases illustrative of that subject. Students in pairs are given two weeks of intensive instruction, as resident students, by the chief of the staff, who is also Professor of Mental Diseases in the College.

THE VERMONT SANATORIUM

The Vermont Sanatorium for incipient and early tuberculosis and the Caverly Preventorium for undernourished children, both
located at Pittsford, and the Washington County Hospital for advanced cases, at Barre, each with about forty beds, are under the immediate supervision of an officer of the faculty of the College.

In these institutions in addition to the didactic and clinical instruction that the student receives at the various general hospitals and dispensaries, he gets two weeks' intensive instruction in tuberculosis, free from the disturbing influences of the larger general institutions, and from the larger groups of students attending them. The fullest advantage possible is taken of the opportunity for individual or personal teaching, by a teacher of special training in his subject.

**INDUSTRIAL SCHOOL**

This State institution houses about four hundred delinquent boys and girls. It is in the charge of one specially trained in the care and treatment of such cases, and affords an excellent opportunity for the study of normal or abnormal psychology of our potentially criminal class. Students of the Senior class are assigned, in rotation, a tour of duty of two weeks at this institution.

**THE VERMONT HOME**

This institution with a population of about four hundred feeble-minded children is in charge of the Instructor of Neurology and Psychiatry of the faculty of the College. Each student in his Senior year has a residence of two weeks in this institution with ample opportunity for observing and studying the cases under supervision. A definite, systematized course is laid down by the teacher, giving to each subject the time and emphasis its importance merits, with an abundance of material at hand to illustrate it.

The department of clinical teaching is under the direct supervision of the Professors of Clinical Medicine and Clinical Surgery. It is the purpose of the clinical teaching to incorporate, so far as possible, the same general principles of systematic teaching as are used in didactic instruction. The instruction is on the laboratory basis. Small groups of students have definite assignments in rotation at stated hours, and are always under the supervision of a clinical instructor.

The work includes daily service in the wards of the hospitals and at the dispensaries, and other institutions, attendance at the
daily clinics and daily attendance in the general operating rooms of the hospitals. Students are also assigned to the pathological laboratory of the hospital, where each morning the regular pathological examinations for the hospital service are made, under the supervision of the pathologist. In the hospital wards and the dispensary members of the Senior and Junior classes under the direction of an instructor examine patients, write the history of cases, make all laboratory examinations indicated, and suggest treatment.

A LARGER TEACHING STAFF

The Departments of Anatomy, Physiology, Physiological Chemistry, Pharmacology and Pathology have been strengthened by the addition of several full-time members to the teaching staff, with a view to making possible more intimate personal contact of teacher and student; to render more effective aid to students in the choice and conduct of their electives and to the more intelligent correlation of the scientific and clinical courses of study.

LIBRARY AND MUSEUM

The Library of the College of Medicine contains more than five thousand volumes, and is located on the second floor of the Medical building. From time to time it has received valuable accessions, having received recently the medical libraries of Dean H. C. Tinkham, Dr. D. C. Hawley and Dr. F. T. Kidder. The State Laboratory of Hygiene offers for the use of the students of the College its very complete list of medical journals and periodicals.

The Stone Memorial Fund, amounting to one thousand dollars, was contributed by the family, associates, friends and students of Dr. Bingham H. Stone, late Professor of Pathology. The income from the fund is used for the purchase of books or periodicals dealing with Pathology or related subjects. This material together with Doctor Stone's own books, given by Mrs. Stone, make up the Stone Memorial Library, which is an integral part of the library of the College of Medicine.

The Medical Museum contains a large number of specimens, illustrating both the relation of normal structures to the body and various pathological conditions. A large number of sections of the brain show the internal structure of that organ. These specimens are distributed
throughout the laboratories, where they can be made the most useful in teaching various subjects.

LABORATORY FACILITIES

In addition to the well-equipped laboratories of Pathology, Bacteriology, Chemistry, Histology, Pharmacology, Physiology and Anatomy, in the College building, there are available and used for teaching purposes, the Bacteriological, Diagnostic, Serological, Medico-legal, Food and Water Laboratories of the State Board of Health, situated in the Board of Health building adjoining the College of Medicine. This building is the property of and was fitted up by the University. There exists the closest sympathy between the State Board of Health and the University, making the interests of the two institutions one. The Secretary and Executive Officer of the State Board of Health is Professor of Hygiene in the College; the Director of the Board of Health Laboratory is Professor of Toxicology and Physiological Chemistry in the College; the Sanitary Chemist of the former institution is Instructor in Chemistry in the department of Hygiene, and the Professor of Sanitary Engineering is Dean of the College of Engineering.

Classes in water and milk analyses are held at the Laboratory of Hygiene; the large amount of material sent from all parts of the State to this laboratory furnishes an abundance of material for student use in Pathology, Bacteriology, Clinical Microscopy and Sanitary Chemistry. Furthermore, the Director of the Board of Health Laboratory is by virtue of that position, State Pathologist, a position equivalent to medical examiner in other States, and performs all autopsies required by the State Department of Justice. Much of this material is available for teaching in Pathology.

FEES AND EXPENSES

Tuition Fee for each session for Vermont students........ $300.00
Tuition Fee for students not residents of Vermont.......... 375.00
*Student Activity Fee........................................ 27.50
Fee for the Doctor's Degree, payable at graduation only... 25.00

*Payable annually in advance.
Charges for loss or breakage are billed to the student from the Comptroller's office.

Each student in the College of Medicine is required to possess at the beginning of his Freshman year, a compound microscope, conforming in make, model and equipment to a specified standard. Approved microscopes are on sale at the University Store. In 1928 the price of this standard physician's microscope was $125.00.

Students must provide microscopical supplies for use in the various laboratories.

Each student must purchase a dissecting case for use in the Anatomical Laboratory.

All text books and supplies may be purchased at the Medical Book Store, a branch of the University Store.

Tuition is payable semi-annually in advance, and no student will be admitted to enrollment at the beginning of a half-year until he presents a certificate from the Comptroller that bills for the half-year have been paid. The Student Activity Fee of $27.50 is payable in advance, in September, for the year.

Students temporarily absent from the University are charged as if present.

Students who engage a room in a College dormitory are liable for the rental charge for the entire year.

A student who has been dropped into a lower class because of deficiency in his work, or for other reason, will be required to pay his bills for the additional year or years in which he may be a member of the University, and in no case will a scholarship or tuition exemption be available for more than four years.

HONORS, PRIZES AND SCHOLARSHIPS

The five students who are found to have secured the highest aggregate of credits, during the entire four years' course of study in the College of Medicine are designated honor men, and each is graduated as Doctor of Medicine, cum laude.

The graduate receiving the highest average is given a prize of fifty dollars in gold, and the student receiving the next largest number of credits is given a prize of twenty-five dollars in gold.
The Governor Woodbury Prize.—The first Governor Woodbury Prize is awarded annually to the student, who, upon graduation, has shown the greatest proficiency in the clinical subjects in his Senior year. The second prize is awarded to that member of the Sophomore class, who has received the largest aggregate of credits in all subjects of the Freshman and Sophomore years.

Fellowships.—The University Trustees have established two teaching fellowships in Clinical Medicine to be awarded each year, good for two years, which will be given to some graduate medical students holding academic degrees, who may wish to pursue further their studies in Clinical Medicine with the purpose of obtaining the degree of Master of Science.

Scholarships.—Honor Scholarships to the amount of one hundred and fifty dollars each are awarded annually by the Board of Trustees, good for one year only, to each young man and woman graduating with the highest averages from Vermont high schools accredited by the State Board of Education. These scholarships are available to premedical students taking the work in the College of Arts and Sciences of the University.

The Soldiers’ Scholarship Fund was founded for the benefit of students in any College of the University who are descendants of soldiers in the Civil War. The amount is fifty dollars.

The John Ordronaux Scholarships, nine in number, were founded in 1909 for students in the academic and medical colleges. Each scholarship amounts to $50 per year.

Fifty State Scholarships of one hundred dollars each for the benefit of medical students in this institution who are in need of financial assistance, and who have resided in Vermont for two consecutive years preceding enrollment, were established by the State Legislature in 1919. Students receiving such scholarships must agree to practice medicine in Vermont one year for each year this aid is given or refund to the State Treasurer the amount of the scholarship benefit received. Application blanks may be obtained from the Comptroller.

requirements for admission

Enrollment in the College of Medicine has been restricted in the interest of the maintenance of the highest standards. The premedical course offered in the College of Arts and Sciences, not only covers all
work prescribed by the Council on Medical Education and Hospitals of the American Medical Association, but co-ordinates in subject matter with the courses in the College of Medicine. Owing to the number of students who register each year in the premedical courses, it has become practically impossible to admit to the College of Medicine students who have had premedical work elsewhere.

Since the College of Medicine operates under conditions necessitating aid from and service to the State of Vermont, preference in premedical enrollments is shown to residents of this State.

**PREMEDICAL CURRICULA**

The University of Vermont offers residents of this State a two-year premedical curriculum outlined below which does not lead to a baccalaureate degree, the student being advanced to the College of Medicine upon the satisfactory completion of this curriculum. It includes the subjects prescribed by the Council on Medical Education and Hospitals of the American Medical Association and covers the courses which are deemed most important for the premedical student.

**Table Showing Studies of the Two-Year Premedical Curriculum**

<table>
<thead>
<tr>
<th>FIRST YEAR</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>French or German</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Chemistry</td>
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<td>5</td>
</tr>
<tr>
<td>Mathematics</td>
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<td>4</td>
</tr>
<tr>
<td>Botany 1 and Zoology</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Military Science</td>
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<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
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<table>
<thead>
<tr>
<th>SECOND YEAR</th>
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<tr>
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<td>5</td>
</tr>
<tr>
<td>Chemistry 9</td>
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<td>2</td>
</tr>
<tr>
<td>Chemistry 10</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>French or German</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Cytology and Embryology</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>English 2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
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<td>1</td>
</tr>
</tbody>
</table>

**THE SEVEN-YEAR CURRICULUM**

It is strongly recommended that students who intend to study Medicine should first complete one of the regular four-year curricula in the College of Arts and Sciences, taking the courses prescribed by the Council on Medical Education and Hospitals of the American Medical Association, and those recommended as being especially valuable. For those who desire the Bachelor's and Doctor's degrees and find it impossible to spend eight years, a combination curriculum of seven years has been provided.

A candidate for a degree in the Classical, Literary-Scientific or General Science curriculum, intending later to enter the College of Medicine, may so arrange as to complete the two curricula in seven
years. He must enroll as a premedical student not later than the beginning of his Sophomore year; and must complete the work of the first three years in the College of Arts and Sciences together with one laboratory course each in General and Organic Chemistry, Physics, Botany and Zoology, and so arrange his electives that if he were to complete the work of the fourth year in the College of Arts and Sciences he would fulfill the requirements of the group system. In his fourth year he will be considered as enrolled in both the College of Arts and Sciences and in the College of Medicine, but will pursue only the studies of the first year in the latter college, on the completion of which he will receive his baccalaureate degree.

Students from other institutions who desire to combine the courses must complete at least one full year's work in the College of Arts and Sciences before entering the College of Medicine.

No provision for this combination of courses is made in the department of Commerce and Economics, or in the Colleges of Engineering and Agriculture.

**Table Showing Studies Taken in the Arts College in the Seven-Year Curriculum**

<table>
<thead>
<tr>
<th>First Year</th>
<th>A</th>
<th>R</th>
<th>Second Year</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 1</td>
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<td>2</td>
<td>English 2</td>
<td>3</td>
<td>3</td>
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<tr>
<td>French or German</td>
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<td>French or German</td>
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<tr>
<td>Chemistry</td>
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<td>5</td>
<td>Mathematics 2</td>
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<td>Mathematics 1</td>
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<td>Physics 1</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Botany 1 or Zoology 1</td>
<td>4</td>
<td>4</td>
<td>Zoology 1 or Botany 2</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Military Science</td>
<td>2</td>
<td>2</td>
<td>Military Science</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
<td>Physical Education</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Year</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cytology and Embryology</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Chemistry 9</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Chemistry 10</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Psychology or Philosophy 1, 2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>English 8</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Two electives</td>
<td>6</td>
<td>6</td>
</tr>
</tbody>
</table>

*Begun or continued.
†One of these courses must be taken the first year; the other, the second year.

**Admission of Students to Advanced Standing**

Vacancies arising in any class may be filled by the admission of students to advanced standing provided:

(1) That the premedical and medical work accords with the courses required at this institution, and was taken at an institution
recognized by the Council of Education and Hospitals of the American Medical Association.

(2) That the scholastic record is well above the class average of the school attended.

(3) That the previous record shows that one or more years have not been repeated on account of low scholarship.

(4) That the statement of record shows no outstanding condition whatsoever.

(5) That the applicant is a resident of the State of Vermont.

A personal interview is required of all applicants for admission by transfer to the College of Medicine, but preference will be shown to residents of the State of Vermont, particularly those holding a baccalaureate degree.

Students desiring advanced standing are subject to the same rules in regard to advancement in course, as students who have attended this college. No applicant for advanced standing will be enrolled under more favorable conditions than would obtain were he to continue at the institution from which he seeks to transfer.

A student desiring to enter an advanced class must present a letter of honorable dismissal and a certificate from the college from which he comes indicating the subjects presented for admission, the courses completed and the conditions under which he could continue.

ENROLLMENT

Payment of bills, registration and enrollment occur on the first day of the College year. Printed directions may be secured from the Registrar. Registration for each session closes seven days after the opening of College. New students will not be enrolled in the College of Medicine except at the beginning of a session.

REQUIREMENTS FOR ADVANCEMENT IN COURSE

Attendance upon all the exercises assigned for the year is obligatory. Failure to attend 80 per cent. of the exercises of any subject constitutes a failure in that subject.

The work of each year is final and students are advanced when they have satisfactorily completed the work assigned for the year.

The standing of each student in his class at the end of the session is based upon the general character of his work in the different laboratories and other practical exercises, upon the character of his recita-
tions, upon the result of the mid-year examinations and upon the result of the examinations held at the end of the session.

Students who fail in not more than twenty-five per cent of the work by subjects in the first, second, or third years, may be re-examined in these subjects at the regular examination period preceding the opening of the next session. The marks obtained in this re-examination are computed with the credits earned during the preceding session in exactly the same way as those obtained in the examination at the end of the session.

A student who, upon re-examination again fails, will not be advanced; provided, however, that if such failure be in a single subject which is not completed in that year, the student may, upon recommendation of the head of the department in which he failed, and by a vote of the Faculty, be advanced with a condition.

A student who is not present at an examination will be classed as having taken the examination and failed, unless excused from such examination by the Faculty.

Students who have failed to complete the course of any year satisfactorily, may be enrolled the following session to repeat the work of that year, but the faculty reserve the right to refuse enrollment, if in their opinion the student is not fitted to continue the study of medicine.

A student who has been a member of any class for two sessions, and has failed to complete satisfactorily the work of that year, will not be enrolled again as a student of the College.

A student will not be permitted to become a member of the third-year class until he has removed all conditions of the first year; and a student will not be permitted to become a member of the fourth-year class until he has removed all conditions of the second year.

REQUIREMENTS FOR GRADUATION

Candidates for the degree of Doctor of Medicine must have reached the age of twenty-one years and must have presented satisfactory evidence of good moral character. All the requirements of this college in regard to preliminary education must have been met, and the candidate must have attended regularly and completed satisfactorily the prescribed work of four courses of instruction in Medicine of at least thirty-two weeks each.
Students are expected to serve one year as intern in some recognized hospital in addition to the four years of college.

All candidates for the degree of Doctor of Medicine must be present at Commencement unless excused by the Dean of the College and the President of the University.

OUTLINE OF THE FOUR-YEARS' CURRICULUM

The curriculum has been arranged so that the study of the several branches of medicine is taken up in a systematic way.

The student is taught first the general structure of the body, its embryological development, the functions of the various organs, the chemical processes taking place in the body and the minute structure of the tissues and organs in health.

Then follows consideration of the changes in gross and microscopic anatomy, the variations in the chemical processes and in the functions of organs and tissues under the influence of disease, how such changes give rise to different symptoms and physical signs, and the methods of interpreting such findings in arriving at a diagnosis.

The student is then taught the methods of investigating diseases, their causes and prevention, as well as the remedies used in their treatment. The various surgical conditions are considered, the indications for treatment or operation, and the technique of operating. Reproduction and development are studied and the diseases of pregnancy as well as the management of labor.

Instruction is given by lectures, demonstrations, recitations, practical courses, laboratory work, clinics and clinical teaching at the bedside and in the Dispensary. For clinical work the class is divided into small sections so that each student receives the personal attention of the instructor.

The work of the First Year includes the study of Anatomy, Physiology, Physiological Chemistry, Histology and Embryology.

The courses in Anatomy and Physiology have been graded to cover two years, the work of each year being practically complete in itself. Laboratory courses are given in Anatomy (dissecting), Histology, Embryology, Physiology and Chemistry.

During the Second Year the study of Anatomy and Physiology is completed and regular work in Materia Medica and Pharmacology, General Pathology, Surgery, Medicine and Bacteriology is begun.
Laboratory courses are given in Anatomy, Pathological Histology, Physiology and Bacteriology.

The work of the Third Year includes Surgery, Obstetrics, Special Pathology and the various special subjects of Medicine and Surgery.

A laboratory course in Clinical Pathology is given and there are practical courses in Physical Diagnosis, Minor Surgery, Bandaging, and Obstetrics with the manikin. The students attend surgical and medical clinics, in which they are instructed in the methods of investigating disease, in properly interpreting the symptoms of disease, in the principles of differential diagnosis, and in the indications for treatment.

The Fourth Year is devoted largely to clinical work. Didactic work has been put forward into the third and second years that the student may spend the greater portion of his time in institutions, in contact with patients and in touch with the clinical laboratories. A few didactic and clinical lectures of a fundamental character, however, are given throughout the session. Students, either singly or in pairs, are assigned in rotation certain definite duties at the intramural and extra-mural public institutions, the autopsy room, and clinical laboratories, always under the direct supervision of one or more members of the faculty.

In 1928 a modified form of the preceptorial system was adopted by the College, each student being assigned a definite tour of duty of two weeks to each of five specialized institutions, viz.: an Insane Asylum, an Industrial School, a Sanatorium for incipient and early cases of tuberculosis, a Preventorium for underfed children, and a Hospital for feeble-minded children; finally, for a four weeks' period each student is assigned to a Preceptor in private practice.
DETAILS OF INSTRUCTION IN THE DEPARTMENTS OF STUDY

THE DEPARTMENT OF ANATOMY

THOMAS STEPHEN BROWN, M.D. .............. Thayer Professor of Anatomy
HOVEY JORDAN, M.S. ........ Assistant Professor of Biology, Histology and Embryology.

JOHN ABRAHAM JENNEY, M.D. ........ Assistant Professor of Histology and Biology.
CHESTER ALBERT NEWHALL, A.B., M.D. ........ Instructor in Anatomy

I. Histology

II. Embryology

First Year. Histology.—(First 22 weeks, 5 hours per week) (110 hours).

a Lectures. Microscopic structure of normal human tissues and organs. Twenty-two hours.
b Recitations.
c Laboratory work. Study of the microscopic anatomy of the fundamental tissues and of the organs, mainly human material. Practice in the preparation of tissue for microscopic examinations. Eighty-eight hours.

Embryology.—(Last 10 weeks, 5 hours per week) (50 hours).

b Recitations.
c Laboratory work.

Study of the general development of tissues and organs and of special topics which are of practical value. Microscopic examination of serial sections of embryos, and examination and dissection of whole embryos, animal and human, of various ages. Forty hours.
GROSS ANATOMY

THOMAS STEPHEN BROWN, M.D. .......... Professor of Gross Anatomy
JOHN ABRAHAM JENNEY, B.S., M.D. .... Assistant Professor of Anatomy
CHESTER ALBERT NEWHALL, A.B., M.D. ........ Instructor in Anatomy

First and Second Years.—This course runs through two years, but most of the work is done in the first half of the first year.

a Lectures. First year, 16 hours; second year, 32 hours.
b Recitations. First year, 16 hours; second year, 32 hours.
c Laboratory work. First year, 30½ hours; second year, 64 hours.

First year.—Osteology.—Dissection. Demonstration of specimens. Each student is required to dissect one-half of the human body.


Applied Anatomy.—Third Year.—Lectures and demonstrations. Sixteen hours. Correlation of anatomy and clinical subjects.

Text-books—Piersol, Gray, Cunningham.

Practical Anatomy—Heisler's Practical Anatomy, Cunningham's Practical Anatomy.

Collateral Reading—Morris, Davis, Sabotta and McMurrich.

Embryology—Prentiss, McMurrich, Bailey and Miller, and Minot.

Histology.—Schäfer, Piersol, Bailey, Stöhr, Huber.

THE DEPARTMENT OF PHYSIOLOGY

FRED KINNEY JACKSON, A.B., M.D. .......... Professor of Physiology.
ANTHONY ALONGE, A.M. ................. Instructor in Physiology

First and Second Years.—

a Recitations. First year, 64 hours; second year, 64 hours.

b Demonstrations and laboratory work. First year, 64 hours; second year, 32 hours. The course runs through two years.

First year work begins with the second semester and includes muscle-nerve, blood, circulation, respiration, digestion, and excretion, also monographs on selected topics. Prizes are awarded for the best monographs.

Second year work includes internal secretion, dietetics, metabolism, body heat, reproduction, the nervous system, and the special senses.
Prizes are awarded for the highest standing in laboratory. A general review is given in the second semester.

Collateral reading—McLeod, Martin and Weymouth, Starling, Wright's *Applied Physiology,* current magazines in Medical Library.

THE DEPARTMENT OF CHEMISTRY

CHARLES FLAGG WHITNEY, M.S., M.D. . . . . . *Professor of Toxicology and Physiological Chemistry.*

EMBREE ROSE, A.B., A.M. . . . *Assistant Professor of Physiological Chemistry.*

THOMAS BRONSON PARKS, A.B. . . . *Instructor in Physiological Chemistry.*

I. General Physiological Chemistry

(a) Didactic.—Two hours a week throughout the first year are given to discussions and recitations on Physiological Chemistry. *Sixty-four hours.*

(b) Laboratory Course.—The laboratory course occupies one two-hour period a week during the first semester and two two-hour periods during the second semester. *Ninety-six hours.*

The lectures, recitations and laboratory work are closely correlated and include such subjects as carbohydrates, fats, proteins, the various digestive processes, blood, muscle, bone, nervous tissue, urine, etc.

The text-books now in use are Bodansky's *Biochemistry,* Morse's *Applied Biochemistry* and Matthews' *Physiological Chemistry.*

THE DEPARTMENT OF PHARMACOLOGY AND THERAPEUTICS

DAVID MARVIN, M.D. . . . . . *Professor of Pharmacology and Therapeutics.*

ANTHONY ALONGE, A.M. . . . . . . . . . . . . . . . *Instructor in Pharmacology.*

Second Year.—

Lectures. *Thirty-two hours.*

Recitations. *Sixty-four hours.*

Laboratory. *One hundred twenty-eight hours.*

I. Materia Medica.—

Lectures and recitations throughout the year on drugs and the methods of administering them.
II. Prescription Writing.—
Recitations.—Practical exercises in writing prescriptions. Course extends through the year.

III. Pharmacy.—
Laboratory work.—Compounding prescriptions, manufacture and standardizing of official preparations, demonstration of incompatibilities.

IV. Toxicology.—
Laboratory work.—Detection of drugs in the urine. Effect of chemic antidotes on poisons. Effect of chemic corrosives and powerful irritants on human tissues.

V. Pharmacodynamics.—
Lectures and recitations through the second semester. Laboratory work.—Experimental pharmacodynamics. Research.—The laboratory will be open during the college year to advanced students or to those who wish to do original research work.

VI. Therapeutics.—
The subject of Therapeutics is taught during the students’ Junior year, a systematic didactic course is given embracing general and special Therapeutics. Thirty-two hours.


DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

Ernest Hiram Burtles, A.B., M.D. Professor of Pathology and Bacteriology.

Frederick Ellsworth Clark, M.D. Associate Professor of Pathology.

Wendell Everett James, A.B. Assistant Professor of Bacteriology and Clinical Pathology.
Second Year.—

I. Pathology.—
   Recitations.—Two hours per week. *Sixty-four hours.*
   Laboratory.—Five hours per week, first semester, and 6 hours per week during second semester. *One hundred seventy-six hours.*

II. Bacteriology.—
   Lectures and Recitations.—Two hours per week. *Sixty-four hours.*
   Laboratory.—Six hours per week, second semester. *Ninety-six hours.*

Third Year.—

I. Pathology.—
   Recitations and Lectures.—Two hours per week. *Sixty-four hours.*

II. Clinical Pathology.—
   Recitations.—One hour per week, first semester. *Sixteen hours.*
   Laboratory.—Six hours per week, first semester. *Ninety-six hours.*

Fourth Year.—

I. Hospital Laboratory.—
   An average of ten hours per week for four weeks for each student.

II. Clinical Conferences.—
   Two hours per week throughout the year, in conjunction with the Department of Medicine.

III. Autopsies.—
   The class attends autopsies at the hospital morgue. These average one or more per week and are subsequently discussed by the class.

Text-books.—
   Pathology, Stengel and Fox.
   Bacteriology, Bigger's Handbook.
   Clinical Pathology, Todd and Sanford.
DEPARTMENT OF MEDICINE

CLARENCE HENRY BEECHER, M.D. . . . . . . . . . . . . . . . . Professor of Medicine.
HAROLD FRANKLIN TAYLOR, B.S., M.D., Assistant Professor of Medicine.
PAUL KENDRICK FRENCH, Ph.B., M.D. . . . Assistant Professor of Clinical Medicine.
CHARLES ARTHUR RAVEY, M.D. . . . . . . . . . . . . . . Instructor in Medicine.

Course runs through second, third and fourth years.

Second Year

Physical Diagnosis. (Normal.)
(a) Recitations; (b) Examination of patients. Auscultation and percussion and other methods of examination. Thirty-two hours.

Third Year

Physical Diagnosis (continued). (Pathological.)
Instruction given to class by sections. Recitation, 32 hours; Clinics, 32 hours.

Lectures and Recitations.—
General Medicine and special branches, Neurology, Mental Diseases, Pediatrics, Tropical Medicine, Hygiene, Medical Jurisprudence, Toxicology. One hundred ninety-two hours.

History Recording and Symptomatology.—
Clinics.
Elementary.

Dispensary Work.—
In sections last semester.

Fourth Year

Lectures.—Case History Discussions.
Selected subjects. Sixty-four hours.

Clinics.—
Before whole class in amphitheatre of Mary Fletcher Hospital.

Ward Work.—
Sections of class in wards of Mary Fletcher and Fanny Allen Hospitals.

Conferences with Surgical Teachers and Pathologists.—
Laboratory work in Clinical Pathology.
Dispensary Work.—
  In sections first semester.
Laboratory and Clinics. Sixty-four hours.
Medicine—Stevens' Practice of Medicine; Physical Diagnosis—
Cabot's Physical Diagnosis.

THE DEPARTMENT OF CLINICAL MEDICINE
JAMES NATHANIEL JENNE, M.S., M.D. .......... Dean, Professor of Clinical Medicine.
PAUL KENDRICK FRENCH, Ph.B., M.D. ...... Assistant Professor of Clinical Medicine.
RALPH GUNNER STREETER, M.D. .......... Instructor in Clinical Medicine.

Third and Fourth Years
Practical Therapeutics and Clinical Medicine are given throughout the Senior year. The course includes daily "Ward Walks" under an instructor or with an instructor and the chief; daily attendance upon the Dispensary, or visits upon the sick at their homes or at various institutions under supervision.

Text-book—The Practice of Medicine, Sevens.

THE DEPARTMENT OF SURGERY
I. SURGERY
LYMAN ALLEN, A.B., M.S., M.D. ............... Professor of Surgery.
CLIFFORD ATHERTON PEASE, M.D. .......... Associate Professor of Clinical Surgery.
GEORGE MILLAR SABIN, B.S., M.D. Associate Professor of Clinical Surgery.
ROBERT LELAND MAYNARD, M.D. ....... Assistant Professor of Orthopedic Surgery.
WALFORD TUPPER REES, B.S., M.D. .... Assistant Professor of Clinical Surgery.
BENJAMIN DYER ADAMS, M.D. .......... Instructor in Surgery.
JOHN HAZEN DODDS, M.D. .......... Instructor in Anesthetization.
Second Year

Recitations.—
Principles of surgery. *Sixty-four hours.*

Practical Surgery.—
Bandaging, use of splints and other surgical appliances.

Third Year


Clinics.—
Besides the section work already mentioned, third-year students attend one amphitheatre clinic each week. *Thirty-two hours.*

Fourth Year

Regional surgery. *Thirty-two hours.*

Minor Surgery.—
Fractures and dislocations and minor surgery.
Taught in sections in wards and in amphitheatre clinics.

Clinics.—
One amphitheatre clinic is held every week by the Professor of Surgery, in which dressings are done and cases are shown and discussed. Operations by the Professors of Surgery and Clinical Surgery are done each day in the smaller operating rooms before sections of the class.

Anesthetization.—
Practical instruction. Each student required to anesthetize several patients under direction of the Instructor in Anesthetization.
Text-books—*General and Regional,* DaCosta, Keen; *Operative,* Binnie, Horsley; *Fractures and Dislocations,* Babcock, Scudder, Cotton, Stimson.

II. CLINICAL SURGERY

LYMAN ALLEN, A.B., M.S., M.D. *Professor of Surgery.*
CLIFFORD ATHERTON PEASE, M.D. *Associate Professor of Clinical Surgery*
GEORGE MILLAR SABIN, B.S., M.D. *Associate Professor of Clinical Surgery.*

WALFORD TUPPER REES, M.D. *Assistant Professor of Clinical Surgery*
Instruction in Clinical Surgery is given during the third and fourth years by means of lectures, demonstrations and practical work in the operating room and at the bedside.

Third Year

One hour weekly throughout the year.

This arrangement, combining surgical anatomy with clinical surgery, is admirably adapted to emphasize the importance of a good knowledge of anatomy as a fundamental factor in diagnosis. History-taking is an important part of this course, case histories being studied and students taught how to analyze and evaluate symptoms. Methods of examining patients are demonstrated, the various instruments are shown and their uses explained. Case history teaching is used to exemplify the method of making diagnosis. Operations are done to demonstrate surgical technique.

Fourth Year

Two hours daily throughout the year, groups being assigned in rotation.

The class is divided into groups of four students each. These groups are assigned to the various parts of the regular hospital work as hospital clerks. Their work is done under the supervision of an instructor.

This is a rotating service, so that each student is on duty in each of the various departments at some time during the year.

This service includes history taking of all hospital cases, discussion of cases requiring surgical treatment, surgical technique in the operating room, demonstration and study of pathological specimens from operations done, and observation of post-operative care and dressings. Students thus observe patients from the time they enter the hospital until they are discharged. They make daily visits to cases following operation, and are required to make record of the progress of the case, suggest treatment, etc. All of this work is done under the supervision of an instructor.

Text-books—Surgical Anatomy, Campbell; Surgical Diagnosis, Martin; Diagnostic and Therapeutic Technic, Morrow; Preparatory and After Treatment, Hanbold, Bartlett.
THE DEPARTMENT OF OBSTETRICS

PATRICK EUGENE MCSWEENY, M.S., M.D. Professor of Obstetrics and Gynecology.
OLIVER NEWELL EASTMAN, M.D. Associate Professor of Obstetrics.
HERBERT ASHLEY DURFEE, A.B., M.D. Instructor in Obstetrics.

Third Year

Lectures and Recitations.—
Practical Obstetrics.—

Fourth Year

Lectures and Demonstrations.—
Abnormalities and complications of labor. Thirty-two hours.
Practical Obstetrics.—
Students attend cases of labor under supervision of a clinical instructor.

THE DEPARTMENT OF HYGIENE

CHARLES FRANCIS DALTON, M.D. Professor of Hygiene and Preventive Medicine.
CHARLES PERKINS MOAT, B.S. Instructor in Chemistry of Foods, Milk, Drugs and Water.

Second Year

Lectures and Demonstrations.—
General sanitation, ventilation, water and milk supplies, sewage and water purification, vital statistics. Thirty-two hours.

Third Year

Lecture and Demonstrations.—
Epidemiology, diagnosis and control of communicable diseases and other problems of preventive medicine. Sixty-four hours.
SPECIAL SUBJECTS

GYNECOLOGY

Patrick Eugene McSweeney, M.S., M.D. . . . . Professor of Gynecology.

Third Year.—
Review of anatomy and physiology of female reproductive tract, and etiology, pathology, symptomatology and treatment of diseases of women.
Lectures and recitation. Thirty-two hours.

Fourth Year.—
Clinics, in hospital amphitheatre, one hour each week. Practical demonstrations of radium therapy. Section work in wards. History taking, examination, diagnosis, treatment. Complete history of each case required. Thirty-two hours.

There are two hours of clinic each week where the various operations in Gynecology are performed. Especial attention is given to the consideration of lacerations, the influence these have on the pelvic viscera, the reflex symptoms caused, and the principles involved in their proper repair.


NEUROLOGY

Frederic William Sears, A.B., M.D. . . . . . Professor of Neurology.
Truman James Allen, M.D. . . . . . . . . . . . . Instructor in Neurology

Third Year.—
Lectures and recitations. Sixty-four hours.

Fourth Year.—
Clinics once a week through year. Thirty-two hours.
Text-books—Wechsler, Dana, Monrad-Krohn.
References—Purves, Stewart, Tilney and Riley.
PSYCHIATRY

Fourth Year.—

Lectures.—Descriptive Psychology, Applied Eugenics, Symptomatology, Classification of Mental Diseases. Diagnosis and Treatment of Mental Diseases. Commitment of insane. Twenty-five hours.

Clinics at State Hospital. Twelve to sixteen hours.

Mental Hygiene, Dr. Thom. Ten hours.


PEDIATRICS

Third Year.—

This includes text-book recitations and discussions on the normal infant, diseases, and infant feeding. Thirty-two hours.

Fourth Year.—

Lectures. Eighty hours.

Physical diagnosis and practical instruction on cadaver in intubation, tracheotomy and lumbar puncture. Infant feeding.

Case history discussions.

Weekly clinic before whole class in amphitheatre at Mary Fletcher Hospital. Thirty-two hours.

Section work at the Dispensary and Orphan Asylums, where excellent opportunity is provided for practical work in infant feeding, diagnosis and treatment.

DISEASES OF THE EYE, EAR, NOSE AND THROAT

DISEASES OF THE EYE, EAR, NOSE AND THROAT

DISEASES OF THE EYE, EAR, NOSE AND THROAT
Third Year.—
Lectures and recitations. *Sixty-four hours.*

Fourth Year.—
Clinics. Two each week during first semester. *Sixty-four hours.*

**GENITO-URINARY DISEASES**

**WILLIAM GRAVES TOWNSEND, B.S., M.D.** *Instructor in Genito-Urinary Diseases.*

**SETH HUSTIS MARTIN, M.D.** *Instructor in Venereal Diseases.*

Fourth Year.—
Lectures and recitations on genito-urinary diseases and dispensary work. Clinics once a week; ward work and dispensary work throughout the year. *Twenty-four hours.*
Text-books—Keyes, Lowsley and Kirwin, Watson and Cunningham.

**DERMATOLOGY**

**CHARLES MALLORY WILLIAMS, A.B., Ph.B., M.D.** *Professor of Dermatology.*

**EUGENE F. TRAUB, M.D.** *Assistant Professor of Dermatology*

Fourth Year
Lectures with projectoscope and lantern slide illustrations.
Clinics. Demonstrations of all the more common skin diseases. *Forty-eight hours.*
Text-books—Stelwagon, Sutton, Schamberg, Morris and Walker Hazen (Syphilis), Jackson (Hair and Scalp), Sequeira.

**ORTHOPEDIC SURGERY**

**BRAINERD HUNT WHITBECK, A.B., M.D.** *Professor of Orthopedic Surgery.*

**ROBERT LEELAND MAYNARD, M.D.** *Assistant Professor of Orthopedic Surgery.*

Third Year.—
Lectures and recitations. *Sixteen hours.*
Fourth Year.—
Text-book—Whitman’s *Orthopaedic Surgery*.

**MEDICAL JURISPRUDENCE**

Edmund Curtis Mower, A.M., LL.B., *Lecturer in Medical Jurisprudence*

Lectures.—
Right to practice, contractual relations between physician and patient, the law of malpractice, legal aspects of the physician’s duties under public health laws, autopsies and reports thereon, medico-legal aspects of certain crimes, expert testimony, insanity, judicial toxicological investigations. Twenty hours.

**TOXICOLOGY**

Charles Flagg Whitney, M.S., M.D. . . . . *Professor of Toxicology and Physiological Chemistry*.

The course consists of discussions and recitations one hour a week for one-half year during the first semester of the fourth year. The time is divided about equally between General Toxicology and Special Toxicology in which each important poison is studied in reference to its origin, effect on the body, detection, etc. Sixteen hours.
Text-book—Underhill’s *Toxicology*.

**MEDICO-MILITARY SCIENCE**

Oramel H. Stanley, A.B., M.D., Major Medical Corps, U. S. A.,
*Professor of Medico-Military Science*.

Lectures.—The lectures are divided into two courses, each course consisting of two series of thirty lectures each and covering a period of two years. Instruction is graded and conforms to the outline laid down for medical units of the Reserve Officers Training Corps.
Course 1.—For first and second year students.
Course 2.—For third and fourth year students.
The period required for lectures on the schedule is one hour per week.
ROENTGENOLOGY
NATHAN RENWICK CALDWELL, M.D. Instructor in Roentgenology

The course consists of sixteen hours divided into lectures in Physics of X-ray and X-ray apparatus, interpretation of films, and therapy, superficial and deep.

TROPICAL MEDICINE
ORAMEL H. STANLEY, A.B., M.D., Major Medical Corps, U. S. A., Professor of Tropical Medicine

Lectures.—Fourth year. A course of lectures on Tropical Medicine will be given, supplemented by microscopic demonstrations. Sixteen hours.

Reference book—Manson's Tropical Diseases.

MEDICAL CORPS UNIT OF THE RESERVE OFFICERS' TRAINING CORPS

A medical unit of the Reserve Officers' Training Corps is in operation in connection with the College of Medicine and is in charge of a Medical Officer of the Army, who has an office in the Medical Building.

The instruction in Military Medicine is divided into two courses, basic and advanced, and each course covers a period of two years with a minimum of thirty hour lectures per year.

The basic course is designed for Freshmen and Sophomores and consists in instruction in organization, administration and tactical employment of Medical Department and other units with such accessory subjects, as will prepare the student for a better appreciation of the advanced course which is largely preventive medicine.

A summer camp is held in connection with the advanced course at Carlisle, Pa., and all students who have taken the basic course are qualified to attend. The latest methods and appliances in use in field sanitation are demonstrated here. Camp may be attended after the Sophomore, Junior or Senior years.

The Government allows certain financial benefits to those who pursue the advanced course after passing the basic in a satisfactory manner. At present this amounts approximately to one hundred dollars a year, exclusive of travel pay to and from camp and while there. In addition a student who has demonstrated his ability is entitled to a commission in the Medical Reserve Corps providing he so elects.
FOURTH YEAR

Class of 1929

Albert Roland Amarantes
Maxwell Joseph Antell, B.S.

Elzear Francis Asselin
Edward Donald Asselin
Albert Edward Barcomb
Herbert Almon Bartholomew, Jr.
Maurice Norbert Bellrose
John Lester Berry, B.S.
John Joseph Busch
Claire Glendon Cayward
Frank Fred Czaja
Edward Donald Asselin
Herbert Lawrence Flynn
Gilbert Vincent Foster
Reginald Eric Gillson
Edward Treen Hare
Edwin Gordon Hebb, A.B.
Thomas Earl Horsefield, Jr.
Everett Stark Kinlock, Jr.
Jasper Newman Knox
William Joseph McNamara, A.B.
Edmund Reeves Mitiguy
Arthur Louis More, A.B.
Donald Campbell Moriarty
Emelia Munson Perkins, A.B.
Alton Beecher Skelton
Raymond Joseph Turley
Harold Hanson Twitchell, B.S.
Jean Maurice Villemaire
Irving Werner

New Bedford, Mass. 80 N. Willard St.
Bridgeport, Conn. Tau Epsilon Phi House

St. Johnsbury 44 S. Willard St.
Burlington 360 Main St.
Barre 229 Loomis St.
Whitehall, N. Y. 23 Brookes Ave.
Rutland 11 Brookes Ave.
Jeffersonville 229 Loomis St.
Bondville 96 Hungerford St.
Seneca Castle, N. Y. 23 Brookes Ave.
Lawrence, Mass. 252 Colchester Ave.
Brookline, Mass. 7 Greene St.
Berlin, N. H. 147 N. Prospect St.
New Bedford, Mass. 80 N. Willard St.
Burlington 114 College St.
Springfield, Mass. 322 Pearl St.
Bridgeport, Me. 28 Williams St.
Readville, Mass. 54 Greene St.
Troy, N. Y. 151 S. Prospect St.
Newbury 300 S. Union St.
Fair Haven 114 Buell St.
Burlington 311 Colchester Ave.
Holyoke, Mass. 139 Mansfield Ave.
Waitsfield 23 Brookes Ave.
Rutland 36 Shelburne Rd.
Conastota, N. Y. 140 N. Prospect St.
Berlin, N. J. 147 N. Prospect St.
Lancaster, N. H. 49 Mansfield Ave.
Winooski Winooski
New York, N. Y. Tau Epsilon Phi House

THIRD YEAR

Class of 1930

Arthur Andrew Allen
Richard Robbins Barber
Charles Emanuel Brady
Michael Florinda Cerasoli
Danford Orin Chamberlain
Frank E. Cornia, B.S.
Robert Alexander Costine
Arthur Augustine Coyne
Philip Brock Daniels
Cyrus Darling Eastman
Frank Flanagan Flagg
Allston Hazen Fogg
Harry Caldwell Fortner A.B., A.M.

Burlington 52 Pearl St.
Montpelier 49 Mansfield Ave.
Burlington Mary Fletcher Hospital
Barre 76 N. Winooski Ave.
Springfield 96 Henry St.
Milton 54 Buell St.
Stamford 92 Brookes Ave.
Providence, R. I. 92 Brookes Ave.
Lyndonville 97 Buell St.
Groton 2 Bradley St.
Bellows Falls 41 Clarke St.
Burlington 393 S. Prospect St.
Burlington 120 Buell St.
New York, N. Y. 89 N. Prospect St.
Morristown, N. J. 83 N. Winooski Ave.
Enosburg Falls 99 Buell St.
Newcastle, N. B. 99 Buell St.
Burlington Mary Fletcher Hospital

Burlington 37 Elmwood Ave.
Peoria, Ill. 44 Brookes Ave.

Michael Norbert Bellrose
John Lester Berry, B.S.
John Joseph Busch
Claire Glendon Cayward
Frank Fred Czaja
Edward Donald Asselin
Herbert Lawrence Flynn
Gilbert Vincent Foster
Reginald Eric Gillson
Edward Treen Hare
Edwin Gordon Hebb, A.B.
Thomas Earl Horsefield, Jr.
Everett Stark Kinlock, Jr.
Jasper Newman Knox
William Joseph McNamara, A.B.
Edmund Reeves Mitiguy
Arthur Louis More, A.B.
Donald Campbell Moriarty
Emelia Munson Perkins, A.B.
Alton Beecher Skelton
Raymond Joseph Turley
Harold Hanson Twitchell, B.S.
Jean Maurice Villemaire
Irving Werner

New Bedford, Mass. 80 N. Willard St.
Bridgeport, Conn. Tau Epsilon Phi House

St. Johnsbury 44 S. Willard St.
Burlington 360 Main St.
Barre 229 Loomis St.
Whitehall, N. Y. 23 Brookes Ave.
Rutland 11 Brookes Ave.
Jeffersonville 229 Loomis St.
Bondville 96 Hungerford St.
Seneca Castle, N. Y. 23 Brookes Ave.
Lawrence, Mass. 252 Colchester Ave.
Brookline, Mass. 7 Greene St.
Berlin, N. H. 147 N. Prospect St.
New Bedford, Mass. 80 N. Willard St.
Burlington 114 College St.
Springfield, Mass. 322 Pearl St.
Bridgeport, Me. 28 Williams St.
Readville, Mass. 54 Greene St.
Troy, N. Y. 151 S. Prospect St.
Newbury 300 S. Union St.
Fair Haven 114 Buell St.
Burlington 311 Colchester Ave.
Holyoke, Mass. 139 Mansfield Ave.
Waitsfield 23 Brookes Ave.
Rutland 36 Shelburne Rd.
Conastota, N. Y. 140 N. Prospect St.
Berlin, N. J. 147 N. Prospect St.
Lancaster, N. H. 49 Mansfield Ave.
Winooski Winooski
New York, N. Y. Tau Epsilon Phi House

Mildred Elizabeth Merkle, A.B.

A.B., A.M.
Richard William Morris
Robert Cromley Noble
Carl Albert Ottley, B.S.
Marden Grant Platt, B.S.
Rolfie Spalding Russell
Winston Arthur Young Sargent, B.S., M.S.

Betty Small
Charles Eugene Stafford
Louis George Thabault
Paul Berry Vandyke
Royal Aaron Whitney

Poulteney
Northampton, Mass.
Schenectady, N. Y.
Riverside, R. I.
St. Albans

Brattleboro
New York City
Manila, P. I.
Winooski
Fall River, Mass.
Chelsea

SECOND YEAR

Class of 1931

Roger Hubbard Allbee
Roland Sigurd Aronson, B.S.
Clyde Lynwood Chaffee, B.S.
William Bailey Clapp, B.S.
Adele Beyle Cohn, A.B.
John Joseph Curran
Lyman Chandler Duryea
Stanton Seely Eddy, Jr., B.S.
Arthur Gladstone, B.S.
George Vaughn Goodwin, B.S.

Francis Leach Herrick
Carlisle Tyson Hewes

Samuel William Howard
Richard Milton Ireland, B.S.
Leo James Kennedy, A.B.
Paul Joseph Lawrence
Urho Robert Merikangas, B.S.
Willard Jackson Morse

John Richard Pavia
Elizabeth Gertrude Pingree, B.S.

Clifford Winfield Quad
Joseph Charles Quatrano

Irving Rudolph
Charles Joel Sage, A.M.
Harry Clarke Schurman

Richard Henry Taft
Nehemiah Alvarado Towne, B.S.
Keith Frank Truax, B.S.
George Chandler Tully, B.S.
Arthur Charles Unsworth, B.S.

Philip Harold Waldman
Francis Alton Winchenbach

Springfield
252 Colchester Ave.

Rutland
25 Brookes Ave.

Richford
120 Colchester Ave.

N. Grafton, Mass.
25 Brookes Ave.

Rochester, N. Y.
31 S. Prospect St.

Florence, Mass.
89 N. Prospect St.

Burlington
66 Bradley St.

Middlebury
83 N. Union St.

Burlington
31 School St.

Montpelier
89 N. Prospect St.

Pawlet
286 Pearl St.

Groton, Conn.
Phi Delta Theta House

Rutland
76 N. Winooski Ave.

Burlington
88 Buell St.

Burlington
286 Pearl St.

Burlington
392 North St.

Arlington
33 Brookes Ave.

Middletown, Conn.
78 N. Prospect St.

Newark, N. J.
88 Buell St.

White River Junction
29 Mansfield Ave.

W. Orange, N. J.
31 S. Prospect St.

New Haven, Conn.
88 Buell St.

New York, N. Y.
35 Wilson St.

New York, N. Y.
29 S. Willard St.

Springville, N. Y.
262 Pearl St.

Ticonderoga, N. Y.
262 Pearl St.

Swanton, Phi Delta Theta House

Burlington
45 Clarke St.

Orange, N. J.
165 Loomis St.

Burlington
498 S. Willard St.

New York, N. Y.
83 N. Union St.

Framingham, Mass.
76 N. Winooski Ave.
FIRST YEAR  
Class of 1932

John Payson Adams  
Ellsworth Lyman Amidon  
Armand Charles Archambault, A.B.  
Catherine Armstrong, A.B.  
Lorraine Elinore Asselin  

Frank Charles Barbato  
George Joseph Bertrand  
Mark Edward Brannon  
Peter Vasileios Brikis  

Frederic Milton Crump  
Thomas Riley Cummins  

Whitney Randall Doane, B.S.  
Robison Harry Dorion  

Clarence Batchelder Foster  
Alfred Leo Frechette  

Merrill Frank Gardner  
Philip Anthony Goddard  
Benjamin Goldfarb  
Morris Goldman  
Edwin Matthew Goyette  

Woodhull Stanton Hall  
Paul Peter Harasimowicz  
Charles Elmer Harwood  

William Douglas Lindsay  
Albert George Mackay  

James Patrick Mahoney  
Paul Clarence Marston  
Harold MedlEvetSky  
Joseph Albert Menousek  

Charles Henry Morhouse  

Francis John O'Neill  
Francis Olaf Osterhus  

Charles Samuel Paine  
Joseph Gabriel Pekala  
Abraham David Poverman  

Louis Frederic Rogel  
Edward Roth  
Edward Joseph Roy  

Leighton Albert Sanders  
Harold Israel Schechtman  

Theresa Schneller  
Gordon Burgess Smith  

Oakland, Calif.  
BarneT  
Barre  
Bennington  
Burlington  
Newark, N. J.  
Barre  
Burlington  
St. Johnsbury  
Gloversville, N. Y.  
Ticonderoga, N. Y.  
Springfield  
Rutland  
Underhill  
Berlin, N. H.  
New Bedford, Mass.  
Morrisville  
Revere, Mass.  
Brooklyn, N. Y.  
Burlington  
Bennington  
Gardner, Mass.  
Dorset  
Montpelier  
Peacham  
Burlington  
E. Brownfield, Me.  
Burlington  
New Britain, Conn.  

Ticonderoga, N. Y.  
St. Albans  
Brooklyn, N. Y.  
S. Royalton  
Amherst, Mass.  
Hartford, Conn.  

Brooklyn, N. Y.  
Brooklyn, N. Y.  
Indian Orchard, Mass.  
Burlington  
New Britain, Conn.  

Bronx, N. Y.  
Rutland  

288 Maple St.  
200 Pearl St.  
342 N. Winooski Ave.  
161 N. Winooski Ave.  
164 Buell St.  
16 Hickok Pl.  
31 Orchard Ter.  
31 Orchard Ter.  
34 Henderson Ter.  
28 Williams St.
GRADUATES, ACADEMIC YEAR, 1927-1928

DOCTORS OF MEDICINE

Asa Charles Adams, B.S. .................................................. Burlington
John J. Baker, A.B. .......................................................... Oakland, Calif.
Frederick Michael Bannon .............................................. Glens Falls, N.Y.
James Graham Bruce ....................................................... Burlington
Garfield Gerard Defoe ..................................................... Peru, N.Y.
William Louis Deignan, B.S. ............................................ Glens Falls, N.Y.
Mertrude Belle Dennis, B.S. ............................................ Stratford, N.H.
Frederick James Fanning ................................................ Swampscott, Mass.
Evelyn Bernice Fisk ........................................................ Vergennes
Lewis Desmond Foote ...................................................... Malone, N.Y.
Stanley Louis Garipay ..................................................... White River Junction
Ralph Augustus Getchell .................................................. Portland, Me.
Glendon Boyce Goddard .................................................. Morrisville
Leonard Robert Goodrich ................................................. Essex Junction
Wayne Pearson Harrison, A.B .......................................... Burlington
Raymond Sidney Holtz ..................................................... Hartford Junction
Albert Thomas Lemay ...................................................... Manchester, N.H.
Frederick William McFarland, A.B. ................................. W. Burke
George Michael Malouf .................................................. Yonkers, N.Y.
Charles Scott Mudgett, *cum laude* ................................ Burlington
Chester Albert Newhall, A.B., *cum laude* ......................... Burlington
Eloise Bailey Peterson ..................................................... Burlington
Roger Gaylord Prentiss, Jr., B.S. ...................................... Johnson
Laurel Erceldene Samson, B.S., *cum laude* ......................... Burlington
Arthur Schneller, *cum laude* .......................................... Bronx, N.Y.
Arthur Bradley Soule, Jr., A.B., *cum laude* ...................... St. Albans
Harold Francis Sullivan ................................................. St. Albans
Yvonne Marion Turk, B.S. ................................................ Burlington
Leo Earle Wilson ............................................................ Fitchburg, Mass.

HONORS IN MEDICINE—1928

CUM LAUDE

Chester Albert Newhall, A.B.
Arthur Bradley Soule, Jr., A.B.
Charles Scott Mudgett
Laurel Erceldene Samson, B.S.
Arthur Schneller

PRIZES FOR SPECIAL MERIT IN MEDICINE

*First Prize:* Chester Albert Newhall, A.B.
*Second Prize:* Arthur Bradley Soule, Jr., A.B.

WOODBURY PRIZE FOR GREATEST PROFICIENCY IN CLINICAL WORK

Arthur Bradley Soule, Jr., A.B.

THE SURGEON GENERAL'S PRIZE

Charles Scott Mudgett, '28
GRADUATES, ACADEMIC YEAR, 1928-1929
DOCTORS OF MEDICINE

Maxwell Joseph Antell, B.S. ........................................ Bridgesport, Conn.
Elzear Francis Asselin ........................................ St. Johnsbury
Edward Donald Asselin ........................................ Burlington
Albert Edward Barcomb, cum laude ................................. Barre
Herbert Almon Bartholomew, Jr., cum laude ...................... Whitehall, N. Y.
Maurice Norbert Bellrose ........................................ Rutland
John Lester Berry, B.S. ........................................ Jeffersonville
John Joseph Busch ................................................ Bondville
Claire Glendon Cayward .......................................... Seneca Castle, N. Y.
Frank Fred Czaja ........................................ Lawrence, Mass.
Herbert Lawrence Flynn ........................................ Berlin, N. H.
Gilbert Vincent Foster ........................................ New Bedford, Mass.
Reginald Eric Gillson ........................................ Burlington
Edward Treen Hare ............................................... Bridgeton, Me.
Thomas Earl Horsefield, Jr. ...................................... Readville, Mass.
Everett Stark Kinlock, Jr. ....................................... Troy, N. Y.
Jasper Newman Knox ........................................ Newbury
William Joseph McNamara, A.B. ................................ Fair Haven
Edmund Reeves Mitiguy ........................................ Burlington
Donald Campbell Moriarty ......................................... Waitsfield
Emelie Munson Perkins, A.B., cum laude ......................... Rutland
Alton Beecher Skelton, cum laude ................................ Canastota, N. Y.
Raymond Joseph Turley, cum laude ................................ Berlin, N. J.
Harold Hanson Twitchell, B.S. ................................ Lancaster, N. H.
Jean Maurice Vilmenaire ......................................... Winooksi
Irving Werner ..................................................... New York, N. Y.

HONORS IN MEDICINE—1929
CUM LAUDE

Albert Edward Barcomb
Herbert Almon Bartholomew, Jr.
Emelie Munson Perkins, A.B.
Alton Beecher Skelton
Raymond Joseph Turley

PRIZES FOR SPECIAL MERIT IN MEDICINE

First Prize: Emelie Munson Perkins, A.B.
Second Prize: Alton Beecher Skelton

WOODBURY PRIZES IN MEDICINE

For greatest proficiency in Clinical Work
Albert Roland Amarantes
To Sophomore having the highest standing
Nehemiah Alvarado Towne, B.S., '31

THE SURGEON GENERAL'S PRIZE

Harold Hanson Twitchell, B.S.
AWARDED INTERNSHIPS AT WALTER REED GENERAL HOSPITAL, WASHINGTON, D. C.

Jasper Newman Knox
Harold Hanson Twitchell, B.S.

FIRST LIEUTENANTS, MEDICAL RESERVE, UNITED STATES ARMY

Edward Donald Asselin
Elzear Francis Asselin
Albert Edward Barcomb
John Lester Berry
Walter Stephen Denning
Gilbert Vincent Foster
Thomas Earle Horsefield, Jr.
Everett Starke Kinlock, Jr.
Jasper Newman Knox
Edmund Reeves Mitiguy
Alton Beecher Skelton
Harold Hanson Twitchell
Maurice Jean Villemaire
Irving Werner

MEDICAL FRATERNITIES AND SOCIETIES

Beta Pi, Delta Mu, Chapter of Nu Sigma Nu,
Corner Winooski Ave. and Main St.
(Founded 1880)

Alpha Chapter of Phi Chi Metropolitan Life Building, 176 Main St.
(Founded at University of Vermont, 1889)

Delta Chapter, Alpha Kappa Kappa 64 Church St.

Alpha Gamma Sigma
(For Women, Founded at University of Vermont, 1924)

Cap and Skull
(Senior Medical Society, Founded 1910)

Premedic Club
(Eligible for students in the College of Arts and Sciences who are preparing to study medicine)

OFFICERS OF THE U. V. M. MEDICAL ALUMNI ASSOCIATION, 1928

President—Dr. F. W. Hewes, '04, Groton, Conn.

Secretary-Treasurer—Dr. E. D. McSweeney, '22, Burlington, Vt.


OFFICERS OF THE U. V. M. MEDICAL ALUMNI ASSOCIATION, 1929

President—Dr. P. P. Johnson, '00, Beverly, Mass.

Vice-Presidents—Dr. Frank J. Sherman, '80, Ballston Spa, N. Y.; Dr. C. E. Hunt, '04, Montpelier, Vt.; Dr. Frank C. Phelps, '93, Vergennes, Vt.; Dr. Walter McKenzie, '04, Burlington, Vt.; Dr. Fenwick G. Taggart, '03, East Greenwich, R. I.; Dr. Charles H. Goyette, '24, Barre, Vt.

Secretary-Treasurer—Dr. E. D. McSweeney, '22, Burlington, Vt.

Executive Committee—Dr. P. P. Lawlor, '20, Burlington, Vt.; Dr. F. S. Kent, '19, Burlington, Vt.; Dr. O. N. Eastman, '08, Burlington, Vt.

Obituary Committee—Dr. David Marvin, '00, Essex Junction, Vt.; Dr. J. M. Hamilton, '93, Rutland, Vt.; Dr. Lyman Allen, '96, Burlington.

VERMONT DEPARTMENT OF PUBLIC HEALTH

State Board of Health: Edward J. Rogers, M. D., Pittsford, Chairman; William G. Ricker, M. D., St. Johnsbury; John P. Gifford, M. D., Randolph; Charles F. Dalton, M. D., Secretary and Executive Officer, Burlington; C. F. Whitney, M. D., Director of Laboratory; J. W. Votey, C. E., Sanitary Engineer; F. S. Kent, M. D., Director Communicable Disease Division; C. P. Moat, B. S., Sanitary Chemist; H. W. Slocum, A. B., Director Tuberculosis Division; W. L. Aycock, M. D., Poliomyelitis Research; Lillian E. Kron, R. N., Poliomyelitis Aftercare.

WORK OF THE STATE BOARD

The State Board of Health is responsible for the public health work of the State, including the control of communicable diseases, supervision of food and milk supplies, supervision of public water supplies, and sewage disposal, sanitation of schoolhouses and public
buildings, abatement of nuisances, educational work against tuberculosis, control of venereal diseases, research and after-care of infantile paralysis cases, and registration of vital statistics. New and commodious offices have been provided in a building owned by the University of Vermont and adjacent to the College of Medicine.

It maintains a laboratory of hygiene at Burlington in the same building where its own work is done, and employs a sanitary engineer and inspector.

The State Board of Health is intimately connected with the College of Medicine of the University, the Secretary being Professor of Hygiene and Preventive Medicine, while the Director of the Laboratory of Hygiene, Dr. Whitney, is Professor of Toxicology and Assistant Professor of Physiological Chemistry, and C. P. Moat, Sanitary Chemist of the Board, is Instructor in Sanitary Chemistry in the College.