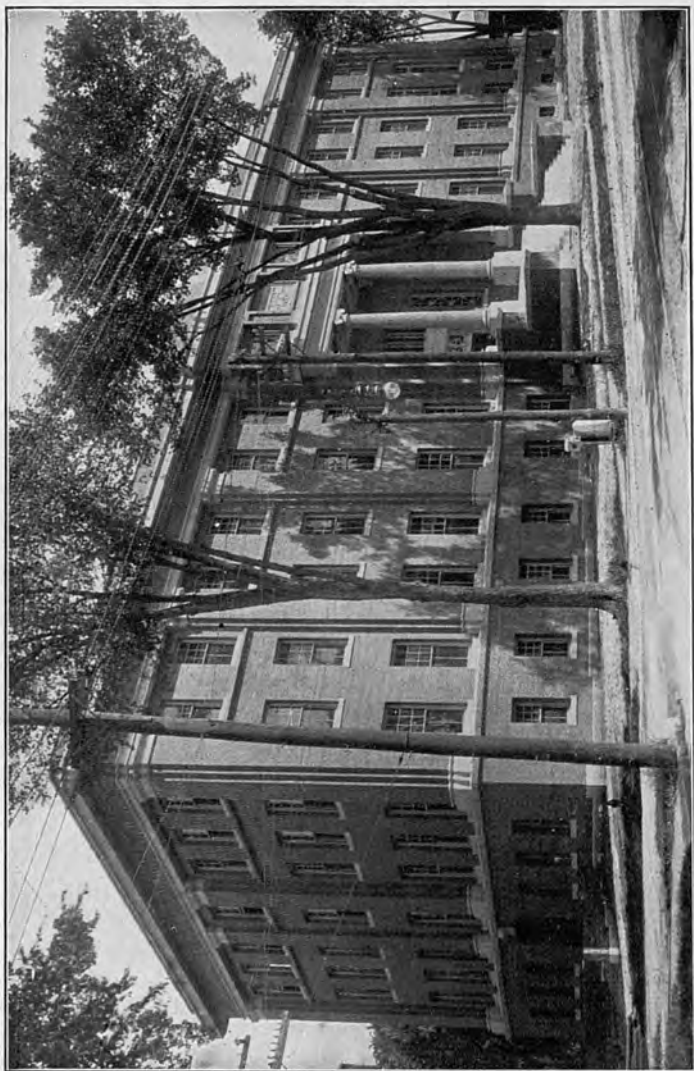


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THE COLLEGE OF MEDICINE BUILDING

VOLUME XXII

NUMBER 8

THE VERMONT BULLETIN

MAY, 1925

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The University of Vermont

and

State Agricultural College



The College of Medicine Number

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CALENDAR

1925-1926

1925

Examinations for Advancement in Course and for

Advanced StandingSeptember 11, 12 and 14
Opening Address.....Wednesday, September 16, 10.00 a. m.
Regular Exercises begin.....Friday, September 18, 7.30 a. m.
Registration ends.....Saturday, September 26
Thanksgiving Recess.....Thursday, November 26
Christmas Recess, Tuesday, December 22, 1925, 7.30 a. m., to Tuesday,
January 5, 1926, 7.30 a. m.

1926

Class work resumed.....Tuesday, January 5, 1926, 7.30 a. m.
Mid-year Examinations, Monday, January 25, to Saturday, January 30
Enrollment for Second Semester.....Saturday, January 30
Second Semester begins.....Monday, February 1, 7.30 a. m.
Easter Recess.....Friday, April 2, 7.30 a. m., to Wednesday, April
14, 7.30 a. m.
Final Examinations.....Thursday, June 10, to Thursday, June 17
Events of Commencement Week, Friday, June 18, to Monday, June 21

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*Died May 10, 1925.

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WALFORD TUPPER REES, M. D.,
Instructor in Anatomy.

JOHN BOLDOSSER,
26 Germain St.,
Laboratory Assistant.

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 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 Comptroller.

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 13, 1804. The first full and regular course of lectures, however, was not given until the fall of 1822. In 1826 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 further to enlarge the building 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.

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 is a modern building, 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 office of the University are in this building.

CLINICAL FACILITIES AND TEACHING

Burlington and the adjoining city, Winooski, have a population of thirty thousand, or more, and Burlington is the hospital center for an area having a very much larger population.

HOSPITALS

There are approximately two hundred beds in the Mary Fletcher and Fanny Allen Hospitals. The former institution adjoins the University campus. The relation existing between this hospital and the College of Medicine always has been very friendly, many of the teaching staff being attending physicians or surgeons at the hospital. The latter hospital is located approximately two miles from the college buildings, but being on a trolley line is easy of access. The relations with this hospital also are cordial and several members of its staff are members of the College of Medicine Faculty. By definite arrangements with these hospitals one hundred and forty beds are available for clinical teaching. The members of the Senior class are in daily attendance at these hospitals.

A new building, part of the Mary Fletcher Hospital plant, is devoted entirely to clinical work, and furnishes well-equipped rooms both for amphitheatre clinics and teaching to small sections of the class.

FREE DISPENSARIES

The free dispensaries, located at the Mary Fletcher Hospital and

at No. 110 Pearl Street, have well-equipped rooms for the convenient administration of dispensary service. The work is organized thoroughly, and is under the direct supervision of the professors. Several thousand visits were made in 1924. All patients in the dispensaries are available for clinical teaching. These departments are open two hours each week day throughout the year, and furnish a great variety of diseases for clinical study. The work of the Burlington city physician, the medical charity of the city, has been assigned to these departments. This work provides excellent opportunities for studying cases and caring for patients in their own homes.

MATERNITY SERVICE

There is a free maternity ward at the Mary Fletcher Hospital maintained by the University, and a maternity home in the city is available for clinical work. About one hundred maternity cases are treated at these two institutions each year. These cases provide abundant facilities for the clinical teaching of Obstetrics.

ORPHANAGES

There are two homes for orphans in the city which have an average daily attendance of about three hundred twenty-five children. These institutions are available for the clinical teaching of diseases of children, and furnish a large number of cases of the various diseases incident to childhood.

STATE HOSPITAL

The State Hospital for the Insane is located at Waterbury. This institution having more than eight hundred patients is available for clinical teaching and sections of the class visit this hospital from time to time during the session, for the study of the various forms of mental diseases.

The Vermont Sanatorium for the treatment of tuberculosis furnishes ample opportunity for the study of this disease. Sections of the class visit this institution at intervals during the year.

CLINICAL TEACHING

The department of clinical teaching is under the direct supervision of the Professors of Clinical Medicine and Clinical Surgery, who have an able corps of clinical assistants.

Clinical instruction is organized on the laboratory basis. Small groups of students have definite assignments 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, 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 the Senior students, under the direction of an instructor, examine patients, write the history of cases, make all laboratory examinations indicated, and suggest treatment.

Clinical instruction in mental diseases is given at the State Hospital for the Insane at Waterbury, and in tuberculosis at the Vermont Sanatorium for Tuberculosis at Pittsford.

It is the purpose of the clinical teaching to incorporate, so far as possible, the same general principles of systematic teaching that are used in didactic instruction. The abundance of material for clinical study in the hospitals and dispensaries, in the children's homes and at the State Hospital for the Insane, together with the large number of patients from the outlying country who are daily seeking medical and surgical advice in Burlington, make it possible to do this in a very large measure.

LIBRARY AND MUSEUM

The Library of the College of Medicine contains more than three thousand volumes, and is located on the second floor of the Medical building. From time to time it has received valuable accessions. 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, illus-

trating 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 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 President of the State Board of Health is a Trustee of the University; the Secretary and Executive Officer of the Board 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 Preventive Medicine; the Instructor in Venereal Diseases of the College of Medicine acts as Serologist at the State Laboratory 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.....	\$200.00
Tuition Fee for students not residents of Vermont.....	300.00
*Athletic Association Fee, annually (men)	20.00
*Athletic Association Fee, annually (women)	15.00
Fee for the Doctor's Degree, payable at graduation only.....	25.00
	<i>Minimum Maximum</i>
Room Rent, in Converse Hall	\$100.00 to \$125.00
Room Rent, in the city	100.00 to 150.00
Board, Commons Hall Cafeteria (estimated)....	150.00 to 250.00
Board, in the city	200.00 to 250.00

Students will be required to deposit with the Comptroller five dollars, from which will be deducted any charges for loss or breakage. The remainder of such deposit, or the whole if there be no charge against it, will be returned to the student at the close of the session.

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 1924 the price of this standard physician's microscope was \$125.

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 supplies may be purchased at the University Store in the Old College building. Medical Text Books are on sale at the Medical Book Store.

Tuition and athletic fees are 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.

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

*Payable half yearly in advance.

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 Governor Woodbury prize of fifty dollars is awarded upon a basis determined by the Faculty of the College of Medicine to the Senior who has exhibited the greatest proficiency in the practical courses of his class.

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 dollars 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 American Medical Association, but co-ordinates in subject matter with the courses in the College of Medicine. Owing to the number of students who desire and accept registration 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. Those interested in entering the College of Medicine are, therefore, referred to the premedical courses offered by the University.

PREMEDICAL CURRICULA

1. The University of Vermont offers 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 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

FIRST YEAR		SECOND YEAR	
	A B		A B
English 1	2 2	Physics 1	5 5
French or German	3 3	Chemistry 9	2 2
Chemistry 1	5 5	Chemistry 10	1 1
Mathematics 1	4 4	French or German	3 3
Biology 1	4 4	Cytology and Embryology	4 4
Military Science	2 2	English 2	3 3
Physical Education	1 1	Military Science	2 2
		Physical Education	1 1

2a. 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 American Medical Association, (see Requirements for Admission), and those recommended as being especially valuable. For those who find it necessary to shorten their years of preparation the following combination curriculum is provided:

2b. A candidate for a degree in the Classical, Literary-Scientific or General Science curricula of the College of Arts and Sciences may arrange this work so as to complete his Academic and Medical Curricula in seven years, securing his Bachelor's degree upon the satisfactory completion of his first year's work in Medicine. He must enroll as a premedical student not later than the beginning of his Sophomore year and complete the first three years in the College of Arts and Sciences including the work prescribed by the American Medical Association (see Requirements for Admission 2) and arrange his electives so that if he were to complete the work of the fourth year in the College of Arts and Sciences he would fulfil the requirements of the group system of that college. It is important that he take advanced courses in Zoology or Botany, Chemistry, French, German and Mathematics. In his fourth year he will be considered as enrolled both in the College of Arts and Sciences and in the College of Medicine, but will pursue the studies of the first year in medicine only.

THE SEVEN-YEAR CURRICULUM

A candidate for a degree in the Classical Literary-Scientific or General Science curricula, 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

FIRST YEAR		A	B	SECOND YEAR		A	B
English 1.....	2	2	English 2.....	3	3	3	3
*French or German.....	3	3	French or German.....	3	3	3	3
Chemistry 1.....	5	5	Mathematics 2.....	3	3	3	3
Mathematics 1.....	4	4	Physics 1.....	5	5	5	5
†Botany 2 or Zoology 1.....	4	4	‡Zoology 1 or Botany 2.....	4	4	4	4
Public Speaking.....	1	1	Military Science.....	2	2	2	2
Military Science.....	2	2	Physical Education.....	1	1	1	1
Physical Education.....	1	1					
		THIRD YEAR		A	B		
		Cytology and Embryology...	4	4			
		Chemistry 9.....	2	2			
		Chemistry 10.....	1	1			
		Psychology or Philosophy ½.....	3	3			
		English 8.....	1	1			
		Two electives.....	6	6			

*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 under the following conditions:

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

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

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

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

A personal interview is required of all applicants for admission by transfer to the College of Medicine.

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 recitations, 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 reenrollment, 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 interne 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, the functions of the various organs and the chemical processes taking place in the body; the minute structure of the tissues and organs in health, and the changes in structure caused by disease.

The student then is taught the various symptoms of disease and

how to interpret them, the methods of investigating diseases and the remedies used in their treatment; the various surgical conditions, the indications for treatment or operation and the technique of each operation; reproduction and development, the diseases of pregnancy with their treatment and 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.

The class is divided into small sections, so that each student receives the personal attention of the instructor in every course.

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 the 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 the study of diagnosis and the treatment of disease, the larger part of the work being given at the Hospital and Dispensary, where students examine patients, make diagnoses and outline treatment. Lectures, either didactic or clinical, are given on Medicine, Therapeutics, Obstetrics and Surgery.

A practical course in Surgery is given, in which the student performs all the common operations upon the cadaver.

During this year the students are required to assist at autopsies under the instruction of the Professor of Pathology. The student also

makes such microscopic study of the tissues removed as is of value in understanding the pathological history of the case.

POST-GRADUATE WORK

Post-graduate instruction is given every year without expense to physicians of the State who desire it. This instruction includes hospital clinics and lectures by specialists dealing with the diagnosis and treatment of various diseases, and is given on Fridays and Saturdays, so that a physician need not be absent long from his practice as is necessary when post-graduate work is done in the large cities.

DETAILS OF INSTRUCTION IN THE SEPARATE 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.*

HARRY CADWALLADER FORTNER, A. M., *Assistant Professor of Histology and Biology.*

WALFORD TUPPER REES, M. D. *Instructor in Anatomy*

I. Histology

II. Embryology

First Year. Histology.—(*First 22 weeks, 7 hours per week*) (15½ 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 examination. *One hundred thirty-two hours.*

Embryology.—(*Last 10 weeks, 7 hours per week*) (70 hours).

- a Lectures. Maturation. Fertilization. Cleavage. The development of tissues and organs. *Ten 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.

GROSS ANATOMY

THOMAS STEPHEN BROWN, M. D. *Professor of Gross Anatomy*
 WALFORD TUPPER REES, M. D. *Instructor in Gross Anatomy*

First and Second Year.—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, 32 hours; second year, 32 hours.*
 - b Recitations. *First year, 16 hours; second year, 32 hours.*
 - c Laboratory work. *First year, 30½ hours; second year, 6½ hours.*
- First year.—Osteology.—Dissection. Demonstration of specimens. Each student is required to dissect one-half of the human body.
- Second year.—Anatomy of central nervous system, dissection and demonstration. Dissection of special regions. General review.

Applied Anatomy.—Third Year.—Lectures and demonstrations *Sixteen hours.*

- 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.*

First and Second Years.—

- a Recitations. *First year, 6½ hours; second year, 6½ hours.*
- b Demonstrations and laboratory work. *First year, 96 hours; second year, 6½ hours.* The course runs through two years.

Research Work.—Graduates in medicine and students with proper qualifications will be welcomed in the laboratory and afforded every opportunity to engage in advanced work.

- Text-book—Howell's *Text-book of Physiology*.
- Collateral reading—Stewart, Starling, Brubaker, Halliburton and the magazines.

THE DEPARTMENT OF CHEMISTRY

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

AMOS BUSH WILLMARTH, M. S. *Assistant Professor of Chemistry*

RICHARD MANLEY FREER, B. S. . . . *Instructor in Physiological Chemistry*

I. General Physiological Chemistry

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

(b) **Laboratory Course.**—The laboratory course occupies two two-hour periods a week throughout the year. *One hundred twenty-eight 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 and urine.

The text-books now in use are Matthews' *Physiological Chemistry* and Hawks' *Practical Physiological Chemistry.*

THE DEPARTMENT OF PHARMACOLOGY

DAVID MARVIN, M. D. . . . *Professor of Pharmacology and Materia Medica.*

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.

Text-books.—Bastedo, *Materia Medica, Pharmacology and Therapeutics*; Thornton, *Manual of Prescription Writing*; American Medical Association, *Useful Remedies*; Marvin, *Laboratory Guide in Pharmacy*.

Collateral Reading.—Cushney, *Pharmacology and Therapeutics*; Sollman, *Text-book of Pharmacology*; Potter, *Materia Medica, Pharmacy and Therapeutics*; U. S. Pharmacopœia; U. S. Dispensary; Arny, *Principles of Pharmacy*.

DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

ERNEST HIRAM BUTTLES, A. B., M. D., *Professor of Pathology and Bacteriology.*

OTIS FRANCIS KELLY, M. D. *Professor of Neuro-Pathology*

FREDERICK ELLSWORTH CLARK, M. D. . . . *Associate Professor of and Laboratory Instructor in Pathology.*

CHARLES FLAGG WHITNEY, M. S., M. D. *Instructor in Pathology.*

LOUIS PEASE HASTINGS, B. S., M. D. *Instructor in Pathology and Bacteriology.*

EDWARD DOUGLAS MCSWEENEY, A. B., M. D., . . . *Instructor in Clinical Pathology.*

JOHN BOLDOSSER . . . *Laboratory Assistant in Pathology and Histology.*

I. Sophomore Year**General Pathology.—**

Demonstration.—One hour per week, 32 weeks. *Thirty-two hours.*

Recitations.—One hour per week, 32 weeks. *Thirty-two hours.*

Laboratory.—Five hours per week, 16 weeks. *Eighty hours.*

Six hours per week, 16 weeks. *Ninety-six hours, a total of two hundred forty hours.*

Laboratory Pathology.—

In the work of Laboratory Pathology the students are taught to distinguish by microscopical characteristics the various degenerations, to differentiate new growths and to recognize deviations from the normal in the various organic lesions of disease. The microscopical specimens mounted and studied by each student illustrate the various topics of Pathology and are supplemented by special demonstrations, by charts, lantern slides, and gross specimens.

Bacteriology.—

During the first semester of the second year two hours per week are assigned to Bacteriology. Usually one hour is used for recitation and one for lecture or demonstration, but a few periods are taken for laboratory work. This course is preparatory to the laboratory and recitation course of the second semester.

Demonstration.—One hour per week, 32 weeks. *Thirty-two hours.*

Recitation.—One hour per week, 32 weeks. *Thirty-two hours.*

Laboratory.—Six hours per week, 16 weeks. *Ninety-six hours, a total of one hundred sixty hours.*

Laboratory.—

In the second semester of this year, six hours per week are devoted to the laboratory in addition to two hours of didactic work.

II. Junior Year**Systemic Pathology.—**

Demonstrations and Recitations.—Two hours per week, 32 weeks. *Sixty-four hours.*

Clinical Pathology.—

Laboratory.—Seven hours per week, 16 weeks. *One hundred twelve hours, or a total of one hundred seventy-six hours.*

The course in Systemic Pathology consists of demonstrations and lectures, illustrated by gross specimens, charts, museum specimens, and autopsies.

This course has as its purpose the practice of application of pathology to medicine, surgery and therapeutics, and is especially arranged to co-ordinate with the teachings given in these subjects.

Laboratory.—

The course in Clinical Pathology consists of six hours weekly of laboratory and one hour of recitation work during the first semester. The laboratory work takes up the study of blood and urine, normal and pathological, gastric contents, sputum, feces, exudates, transudates, cerebro-spinal fluid, etc. Several sessions are devoted to a review of the more common bacteriological methods of diagnosis.

Recitation.—

The recitation course parallels the work of the laboratory and is used to explain the value and limitations of the different examinations and the interpretation of results.

III. Senior Year

Hospital Clinical Laboratory.—Ten hours per week for four weeks (each student). *Forty hours.*

Clinico-Pathological Conference.—Two hours per week, 32 weeks. *Sixty-four hours.*

Autopsies.—Two hours each (average 30). *Sixty hours, or a total of one hundred sixty-four hours.*

The Clinical-Pathological laboratory course is a supervised course in practical application of the clinical laboratory methods taught in the preceding years to the study of cases in the hospitals. The students work in pairs in the laboratory, each student serving two weeks.

Clinico-Pathological Conference.—

Once each week the class meets to discuss some case which has been studied in the wards and which has come to the autopsy table if there are such cases available; otherwise some living case is discussed.

Autopsies.—

These autopsies are mostly held in the morgue at the hospitals and are attended by third and fourth year students.

Text books—Pathology, MacCallum, Stengel and Fox, Delafield and Prudden; Bacteriology, Hiss and Zinsser, Park and Williams, *Handbook of Bacteriology*, Bigger; Clinical Pathology, Todd's *Manual*.

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. *Instructor in 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 THERAPEUTICS AND CLINICAL MEDICINE**JAMES NATHANIEL JENNE, M. D. *Professor of Therapeutics and Clinical Medicine.*HAROLD FRANKLIN TAYLOR, B. S. M. D. . . *Instructor in Clinical Medicine.***Third and Fourth Years**

The subject of Therapeutics is taught during the students' Junior year, a systematic didactic course is given embracing general and special Therapeutics and Dietetics. *Sixty-four hours.*

The clinical course consists of daily exercises at the clinics in the wards of the hospitals and in the dispensary and extends throughout the Senior year.

Text-books—Hare's *System*. (3 Vols.), Hare (1 Vol.).**THE DEPARTMENT OF SURGERY****I. Surgery**JOHN BROOKS WHEELER, Sc. D., A. B., M. D. *Professor Emeritus of Surgery.*LYMAN ALLEN, M. S., A. B., M. D. *Professor of Surgery.*ROBERT LELAND MAYNARD, M. D. *Assistant Professor of Orthopedic Surgery.*BENJAMIN DYER ADAMS, M. D. *Instructor in Surgery and Director Free Dispensary.*JOHN HAZEN DODDS, M. D. *Instructor in Anesthetization.*GEORGE MILLAR SABIN, B. S., M. D. *Instructor in Surgery.*

Second Year**Recitations.—**

Principles of surgery. *Sixty-four hours.*

Practical Surgery.—

Bandaging, use of splints and other surgical appliances.

Work with plaster of Paris. Taught in sections. *Twenty hours.*

Third Year**Recitations and Lectures.—**

General and regional surgery. *Ninety-six hours.* Fractures and dislocations. *Thirty-two hours.*

Clinics.—

Besides the section work already mentioned, third-year students attend two amphitheatre clinics each week. *Sixty-four hours.*

Fourth Year**Lectures.—**

Regional surgery. *Sixty-four 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*, Scudder, Cotton, Stimson.

II. CLINICAL SURGERY

HENRY CRAIN TINKHAM, M. S., M. D. . . . *Professor of Clinical Surgery.*

LYMAN ALLEN, M. S., M. D. *Professor of Clinical Surgery.*

CLIFFORD ATHERTON PEASE, M. D. *Instructor in Clinical Surgery.*

Instruction in Clinical Surgery is given during the third and fourth years.

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. 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 MCSWEENEY, 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.—

Anatomy of female pelvis and reproductive organs. Ovulation, menstruation, pregnancy, normal labor and its management. *Sixty-four hours.*

Practical Obstetrics.—

Abdominal palpation and auscultation. Pelvimetry. Operative Obstetrics. Demonstration of mechanism of labor. *Twenty hours.*

Fourth Year

Lectures and Demonstrations.—

Abnormalities and complications of labor. *Sixty-four hours.*

Practical Obstetrics.—

Students attend cases of labor under supervision of a clinical instructor.

Text-book—Williams' *Obstetrics*. References—Hirst's *Obstetrics*, Edgar's *Obstetrics*, DeLee's *Principles and Practice of Obstetrics*.

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

Lectures and Demonstrations.—

Epidemiology, diagnosis and control of communicable diseases and other problems of preventive medicine. *Thirty-two hours.*

SPECIAL SUBJECTS

GYNECOLOGY

PATRICK EUGENE MCSWEENEY, M. S., M. D. *Professor of Gynecology.*

EDWARD DOUGLAS MCSWEENEY, A. B., M. D. . . *Instructor in Gynecology.*

Third Year.—

Lectures and recitations. *Sixty-four 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.

Text-book—Crossen's *Diseases of Women*. References—Hirst's *Diseases of Women*, Polac's *Manual of Gynecology*, Graves' *Gynecology*.

NEUROLOGY

FREDERIC WILLIAM SEARS, A. B., M. D. *Professor of Neurology.*

KENNETH JAMES TILLOTSON, 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—Dana, Tilney, White and Jelliffe.

MENTAL DISEASES

JAMES C. O'NEIL, B. S., M. D. *Professor of Mental Diseases.*

Fourth Year

Lectures.—Normal Psychology, Applied Eugenics, Symptomatology, Clinics at State Hospital for Insane. Classification of Mental Diseases. Commitment of insane. *Thirty-two hours.*

Text-books—*Outlines of Psychiatry*, White.

Manual of Psychiatry, Bowers.

Clinical Psychiatry, Dieffendorf.

PEDIATRICS

CHARLES KIMBALL JOHNSON, M. D. *Professor of 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.*

Weekly clinic before whole class in amphitheatre at Mary Fletcher Hospital.

Section work at the dispensary, hospital wards and at the Babies' Nursery, where excellent opportunity is provided for practical work in infant feeding.

Case history discussions.

Current literature discussions.

DISEASES OF THE EYE, EAR, NOSE AND THROAT

EDMUND TOWLE BROWN, M. D. *Professor of Diseases of Eye, Ear, Nose and Throat.*

EMMUS GEORGE TWITCHELL, A. B., M. D., . *Instructor in Diseases of 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.*

Text-books. *Eye*, May, De Schweinitz; *Ear*, Gleason, Phillips.

GENITO-URINARY DISEASES

WILLIAM WARREN TOWNSEND, M. D....*Professor of Genito-Urinary Diseases.*

SETH HUSTIS MARTIN, M. D.....*Instructor in Genito-Urinary Diseases.*

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

ARTHUR RUSH HOGAN, A. B., 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. *Thirty-two hours.*

Text-books—Morton, Watson and Cunningham, and Keyes.

DERMATOLOGY

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

SETH HUSTIS MARTIN, M. D.*Dispensary Instructor in Dermatology.*

Third Year.—

Lectures, recitations and demonstrations. *Sixteen hours.*

Fourth Year.—

Lectures with projectoscope illustrations. Clinics. Demonstrations of all the more common skin diseases. Each case is examined by a group of four members, who then report to the class their findings with recommendations for treatment, and this report is discussed by the class under the direction of the Professor. *Fifty hours.*

Text-books—Stelwagon, Sutton, Schamberg, Morris and Walker Thompson (Syphilis), Jackson (Hair and Scalp), Sequeira.

ORTHOPEDIC SURGERY

FRED HOUDLETTE ALBEE, Sc. D., M. D.*Professor of Orthopedic Surgery.*

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

ELMER PETER WEIGIL, M. D.*Instructor in Orthopedic Surgery*

Third Year.—

Lectures and recitations. *Sixteen hours.*

Fourth Year.—

Clinics, diagnostic and operative, hospital amphitheatre. Operations and mechanical treatment of deformities. Motor saw technique. *Thirty-six hours.*

Text-book—Albee's *Orthopedic and Reconstruction Surgery.*

MEDICAL JURISPRUDENCE

EDMUND CURTIS MOWER, A. M., LL. B. *Professor of 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 lectures 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.*

MEDICO-MILITARY SCIENCE

ARTHUR O. DAVIS, M. D., Major Med. 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.

TROPICAL MEDICINE

ARTHUR O. DAVIS, M. D., Major Med. Corps, U. S. A.

Professor of Tropical Medicine

Lectures.—*Fourth year.* A course of lectures on Tropical Medicine will be given, supplemented by microscopic slides and pathological specimens from the College Laboratory and the Army Medical Museum, Washington, D. C. *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.

REGISTER, 1924-1925

FOURTH YEAR

Class of 1925

John Goldwithe Adams	<i>Bernardston, Mass.</i>	31 Loomis St.
Paul Ernest Anderson, B. S.	<i>Rutland</i>	Kappa Sigma House
John Cordes Armstrong	<i>Bennington</i>	83 Hungerford St.
Eric Henry Blank	<i>Pike, N. H.</i>	8 S. Willard St.
Norman Keeler Bonney	<i>Burlington</i>	26 Buell St.
Harry Butler, A. B.	<i>Bangor, Me.</i>	DeGoesbriand Hospital
Samuel Cominsky, B. S.	<i>Manchester Depot</i>	175 Pearl St.
Roy Edward Corley, A. B.	<i>Burlington</i>	DeGoesbriand Hospital
Norman William Crisp, B. S.	<i>Needham Heights, Mass.</i>	46 East Ave.
Irving Marsh Derby, B. S.	<i>Burlington</i>	250 Shelburne Rd.
Jerome James Driscoll	<i>Norwich, Conn.</i>	83 Brookes Ave.
Mark Donald Duby	<i>Syracuse, N. Y.</i>	16 Booth St.
George Kingsley Fenn	<i>Burlington</i>	33 Buell St.
Anthony William Ferrara	<i>Long Island City, N. Y.</i>	69 Greene St.
Raymond Richard Grasso	<i>Newark, N. J.</i>	6 Charles St.
Maurice Ervin Hodgdon	<i>Franklin, N. H.</i>	84 N. Willard St.
Everett Beeman Holmes	<i>Waterbury</i>	8 S. Willard St.
Harold Albert Johnson	<i>Naugatuck, Conn.</i>	88 Buell St.
Dewey Katz, B. S.	<i>Burlington</i>	187 Bank St.
Naomi Delia Lanou	<i>Burlington</i>	110 Archibald St.
Roland Ernest McSweeney, B. S.	<i>St. Johnsbury</i>	DeGoesbriand Hospital
Abraham Montague Margolski	<i>Revere, Mass.</i>	76 N. Winooski Ave.
Martin Matthew Meehan	<i>Beacon, N. Y.</i>	73 Buell St.
Bernard Litchfield Mills	<i>Montpelier</i>	83 Brookes Ave.
Herman Andrew Morrill	<i>Pike, N. H.</i>	8 S. Willard St.
Charles John Morrison	<i>Boston, Mass.</i>	140 Colchester Ave.
Carroll Raymond Murch	<i>Burlington</i>	60 School St.
Charles Elbert Niles, B. S.	<i>Brandon</i>	125 St. Paul St.
John Thomas O'Brian	<i>Burlington</i>	112 Loomis St.
James Patrick O'Brien, B. S.	<i>Woonsocket, R. I.</i>	84 N. Willard St.
Francis Edward O'Connor, B. S.	<i>Burlington</i>	Fanny Allen Hospital
Clarence Ralph Pearson	<i>Clayton, N. Y.</i>	83 Brookes Ave.
Arthur Quito Penta	<i>Rutland</i>	88 Buell St.
James Everett Phelps	<i>Marshfield</i>	8 S. Willard St.
John Russell Randolph	<i>Pittsburg, Pa.</i>	45 S. Converse Hall
Peter J. Shammon (Shamhoon)	<i>Burlington</i>	64 N. Winooski Ave.
Morris Smith	<i>Brunswick, Me.</i>	175 Pearl St.
Wilson Carroll Swasey	<i>Waterbury</i>	8 S. Willard St.
Luther Allen Tarbell	<i>Burlington</i>	38 Russell St.
Abraham David Teitelbaum	<i>Bronx, N. Y.</i>	39 Buell St.
Herbert Ellsworth Tomlinson, B. S.	<i>Jericho</i>	82 Hungerford St.
Robert Percy Williams	<i>Rutland</i>	33 S. Willard St.
Orlin Vincent Wry	<i>St. Albans</i>	Fanny Allen Hospital

THIRD YEAR

Class of 1926

Egbert James Bailey	<i>Orange, N. J.</i>	349 Pearl St.
Robert Francis Bradish, A. B.	<i>St. Albans</i>	112 Adams St.
Paul Hemingway Brown	<i>E. Haven, Conn.</i>	52 Hickok Place
Jeremiah Lawrence Buckley	<i>Saranac Lake, N. Y.</i>	239 Pearl St.
Bertha Alice Chase	<i>Burlington</i>	262 Pearl St.
Anchise Anthony Cirillo	<i>Troy, N. Y.</i>	76 N. Winooski Ave.
Donald Miller Clark	<i>Rutland</i>	83 N. Union St.

Paul Dennison Clark	Woodstock	88 College St.
Raymond Kellogg Farnham, A. B.	Shoreham	349 Pearl St.
Frank Lawrence Fletcher	Burlington	Mary Fletcher Hospital
Estelle Julia Foote, A. B.	Middlebury	Campus House
Weston Chadwick Hammond	Rutland	Phi Delta Theta House
Simeon Louis Hebert	Rochester, N. H.	119 Buell St.
Aymer Morgan Hill	Winooski	33 E. Allen St., Winooski
John Brennan Horner, B. S.	W. Pawlet	52 Hickok Place
Charles Coniff Joyce, B. S.	Proctor	23 M. Converse Hall
Harley Walter Kidder	Barre	16 St. Paul St.
Francis Joseph McEvoy	Bellows Falls	239 Pearl St.
Horace Page Marvin, B. S.	Essex Junction	Essex Junction
Richard Sargent O'Connell, A. B.	Middlebury	106 Loomis St.
Stanley Carroll Pettit	Underhill	3 M. Converse Hall
Robert Frank Rich, Ph. B.	Burlington	88 S. Union St.
Charles Theodore Schechtman	New Britain, Conn.	175 Pearl St.
Roland Leonard Smith	Holyoke, Mass.	119 Buell St.
Walton Bruce Smith	Manchester, N. H.	203 S. Winooski Ave.
Sam Sparhawk, Jr., A. B.	Burlington	335 S. Union St.
Edgar Francis Stone	Los Angeles, Calif.	35 Hickok Place
Raymond Ransom Wells	Burlington	404 Pearl St.

SECOND YEAR

Class of 1927

Eloise Helen Bailey	Graniteville	Angell Hall
Orpheus Joseph Bizzozero	Barre	88 Buell St.
John Boardman	Stowe	354 S. Union St.
Leslie Arthur Burns	Westminster, Mass.	39 Buell St.
Robert Johnson Catlin, B. S.	Swanton	83 Brookes Ave.
Carlos Eugene Fallon	Peru, N. Y.	117 N. Winooski Ave.
Harry Cadwallader Fortner, A. B.; A. M.	Burlington	89 N. Prospect St.
Erald Fairbanks Foster	Lyndonville	21 Orchard Ter.
Auxilien Clement J. Gervais	Burlington	73 Elmwood Ave.
Alan Oakes Godfrey, B. S.	Burlington	33 Brookes Ave.
Wilbur Merriam Judd	Enosburg Falls	Sigma Nu Lodge
Harold Myer Levin, B. S.	Burlington	205 N. Willard St.
Philip Taylor McGreevey	Burlington	119 Buell St.
Harold Augustus Pooler	Skowhegan, Me.	43 M. Converse Hall
Doris May Sidwell, B. S.	W. Hartford, Conn.	Angell Hall
Ralph Gunner Streeter	Burlington	76 N. Willard St.
William Alexander Tyler, B. S.	Canton, N. Y.	83 Brookes Ave.
Warren Langdon Whitten	Malone, N. Y.	12 Brookes Ave.

FIRST YEAR

Class of 1928

Asa Charles Adams, B. S.	Linneus, Me.	16 Wilson St.
John J. Baker	Oakland, Calif.	166 Summit St.
Frederick Michael Bannon	Glens Falls, N. Y.	327 Pearl St.
Frank William Boyd	Peru, N. Y.	228 Maple St.
James Graham Bruce	Burlington	67 Brookes Ave.
William Medford Castle	Melrose, Mass.	39 Buell St.
John Raymond Colby	Franklin, N. H.	22 Wilson St.
Garfield Gerard Defoe	Peru, N. Y.	228 Maple St.
William Louis Deignan	Orange, N. J.	83 N. Union St.
Mertrude Belle Dennis	Stratford, N. H.	Angell Hall
Frederick James Fanning	Swampscott, Mass.	94 S. Winooski Ave.
Evelyn Bernice Fisk	Vergennes	Campus House
Lewis Desmond Foote	Malone, N. Y.	Alpha Tau Omega House
Stanley Louis Vincent Garipay	White River Jct.	55 Hickok Place

Ralph Augustus Getchell	<i>Portland, Me.</i>	Sigma Nu Lodge
Glendon Boyce Goddard	<i>Morrisville</i>	16 Wilson St.
Leonard Robert Goodrich	<i>Essex Junction</i>	22 Wilson St.
Edward Treen Hare	<i>Springfield, Mass.</i>	50 Clarke St.
Raymond Sidney Holtz	<i>Hartford, Conn.</i>	115 Loomis St.
Albert Kimball Johnson	<i>Burlington</i>	311 S. Union St.
Albert Thomas Lemay	<i>Manchester, N. H.</i>	55 Hickok Place
Fred William McFarland	<i>W. Burke</i>	92 Brookes Ave.
George Michael Malouf	<i>Ashland, N. H.</i>	21 S. Converse Hall
Charles Scott Mudgett	<i>Burlington</i>	50 Clarke St.
Chester Albert Newhall, A. B.	<i>Montpelier</i>	162 Loomis St.
Dalton Condon O'Brien	<i>Waterbury</i>	126 N. Champlain St.
Roger Gaylord Prentiss, Jr.	<i>Johnson</i>	73 N. Willard St.
Laurel Erceldene Samson	<i>Enosburg Falls</i>	82 Henry St.
Arthur Schneller	<i>Burlington</i>	175 Pearl St.
Arthur Bradley Soule, Jr.	<i>St. Albans</i>	Delta Psi House
Harold Francis Sullivan	<i>St. Albans</i>	40 Clarke St.
Yvonne Marlon Turk	<i>Burlington</i>	98 S. Willard St.
Abel Truman Way, Jr.	<i>Burlington</i>	33 Mansfield Ave.
Leo Earl Wilson	<i>Fitchburg, Mass.</i>	92 Brookes Ave.

GRADUATES, ACADEMIC YEAR 1923-1924

DOCTORS OF MEDICINE

John Raymond Andrews	Burlington
John Wilbur Armstrong, A. B.	Middle Falls, N. Y.
Donato Anthony Astone	Beacon, N. Y.
John Matthew Bachulus	New Britain, Conn.
Rosary Henri Bisson	Barre
Lewis Woodbridge Brown, A. B.	Skowhegan, Me.
George Walter Caldwell, <i>cum laude</i>	Burlington
Carl Clarence Chase, <i>cum laude</i>	Bennington
George Rosario Cusson	Lyndonville
George Breed Davis, B. S.	Stafford Springs, Conn.
Gerald Charles de Grandpré, A. B.	Plattsburg, N. Y.
Paola Libero de Nicola	Pawtucket, R. I.
Hyman Maurice Glasston	Burlington
David Goldberg	New York, N. Y.
Louis Edward Goldberg	Portland, Me.
Charles Henry Goyette	Burlington
Jack Ward Gray, A. B.	New York, N. Y.
Frank Oscar King, A. B.	Portland, Me.
Elton Wallace Lance	Plainfield
Dorothy Mary Lang, <i>cum laude</i>	Cambridge
Arthur Byron Lawrence, A. B.	Burlington
James Pratt Marr	Williamstown
Dennis Martin O'Brian	Burlington
John Clark O'Brien	West Granville, N. Y.
Walford Tupper Rees, <i>cum laude</i>	Nashua, N. H.
Evans Franklin Sealand	Bangor, Me.
Oney Percy Smith, <i>cum laude</i>	Concord, N. H.
Daniel Francis Sullivan, Jr.	Hartford, Conn.
Dennis Bernard Sullivan	Winthrop, N. Y.
Linwood Austin Sweatt	Phillips, Me.
William Graves Townsend, B. S.	Burlington
Francis Van Vechten Wethey, A. B.	Burlington
Dean Anthony Wry	St. Albans

HONOR STUDENTS

Walford Tupper Rees
Dorothy Mary Lang
Carl Clarence Chase
Oney Percy Smith
George Walter Caldwell

PRIZES FOR SPECIAL MERIT IN MEDICINE

First Prize—Walford Tupper Rees*Second Prize*—Dorothy Mary Lang

WOODBURY PRIZE FOR GREATEST PROFICIENCY IN CLINICAL WORK

Walford Tupper Rees

MEDICAL FRATERNITIES AND SOCIETIES

- Delta Mu Corner Winooski Ave. and Main St.
(Local, Founded 1880)
- Alpha Chapter of Phi Chi Metropolitan Life Building, 176 Main St.
(Founded at University of Vermont, 1889)
- Delta Chapter, Alpha Kappa Kappa Y. M. C. A. Building
- 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, 1924-1925*President*—Dr. D. C. Jarvis, '04, Barre, Vt.

Vice-Presidents—Dr. F. E. Farmer, '99, St. Johnsbury, Vt.; Dr. T. A. McCormick, '15, St. Albans, Vt.; Dr. J. M. Hamilton, '93, Rutland, Vt.; Dr. G. R. Anderson, '98, Brattleboro, Vt.; Dr. R. B. Thomas, '10, Enosburg Falls, Vt.; Dr. C. S. Buchanan, '04, Bennington, Vt.

Executive Committee—Dr. E. D. McSweeney, '22, Burlington, Vt.; Dr. E. J. Stone, '13, Winooski, Vt.; Dr. D. M. Bosworth, '21, Burlington, Vt.

Secretary-Treasurer—Dr. L. P. Hastings, '23, Burlington, Vt.

Obituary Committee—Dr. C. M. Ferrin, '65, Burlington, Vt.; Dr. David Marvin, '00, Essex Junction, Vt.; Dr. P. L. Dorey, '04, Middlebury, Vt.

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 Venereal Disease Division; C. P. Moat, B. S., Sanitary Chemist; H. W. Slocum, A. B., Director, Tuberculosis Division; W. L. Aycock, M. D., Poliomyelitis Research; Bertha E. Weisbrod, R. N., Poliomyelitis After-care.

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 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 the 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, while the Director of the Laboratory of Hygiene, Doctor Whitney, is Professor of Toxicology, Assistant Professor of Physiological Chemistry and Instructor in Pathology, and C. P. Moat, Sanitary Chemist of the Board, is Instructor in Sanitary Chemistry in the College.