1940

University of Vermont, College of Medicine Bulletin

University of Vermont

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THE COLLEGE OF MEDICINE NUMBER

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CALENDAR

1940-1941

September 16, Monday. Examinations for Advancement in Course.

September 18, Wednesday. Opening Convocation—President’s Address.

September 19, Thursday. Enrollment and Organization of Classes.

September 20, Friday. Regular Exercises begin.

September 28, Saturday. Registration ends.

November 11, Monday. Armistice Day.

November 27, Wednesday, 11.50 a.m. to December 2, Monday, 7.30 a.m. Thanksgiving Recess.

December 21, Saturday, 11.50 a.m. to January 6, Monday, 7.30 a.m. Christmas Recess.

January 23, Thursday to February 1, Saturday. Mid-year Examinations.

February 1, Saturday. Payment of Fees for Second Semester.

February 3, Monday, 7.30 a.m. Second Semester begins.

March 29, Saturday, 11.50 a.m. to April 8, Tuesday, 7.30 a.m. Spring Recess.

May 1, Thursday. Founder’s Day.

May 30, Friday. Memorial Day.

May 26, Monday to June 12, Thursday. Final Examinations.

June 13, Friday to June 16, Monday. Events of Commencement Week.
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ADMINISTRATION

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His Excellency
GEORGE DAVID AIKEN, LL.D. Ex-Officio Governor

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1936 CARROLL WARREN DOTEN, A.M. Brandon, Vt.
1937 HENRY BIGELOW OATLEY, B.S. 60 E. 42nd Street, New York, N. Y.
1938 CASSIUS REUBEN PECK, A.B. 6430 S. W. Parkhill Way, Portland, Ore.
1939 WILLARD ALVORD MITCHELL, A.B. 141 Broadway, New York, N. Y.

On the Part of the Agricultural College

1914 WARREN ROBINSON AUSTIN, PH.B., LL.D. 43 S. Williams Street, Burlington, Vt. 1939
1937 DONALD ARTHUR HEMENWAY, A.B. Montpelier, Vt. to 1945
1927 ROY LEONARD PATRICK, PH.B. 190 Bank Street, Burlington, Vt.
1929 THOMAS CHARLES CHENEY, A.B. Morrisville, Vt. 1939
1933 GUY MILTON PAGE, A.B., LL.B. 32 N. Prospect Street, Burlington, Vt. to 1941
1939 WILLIAM CHESTER WALKER, PH.B. Cabot, Vt. 1941
1917 EDWIN WINSHIP LAWRENCE, A.B. Rutland, Vt. 1937
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1937 LEWIS SMITHERS DUBOIS Barnard, Vt. 1943

* Deceased October 22, 1940.
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ERNEST HIRAM BUTTLES, A.B., M.D., Secretary of the Faculty of the College of Medicine, 457 S. Willard Street

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Postgraduate Instruction: Drs. Hobbs, D. W. James, Mackay, Raab, and Soule.

Publications and Announcements: Drs. Amidon, Dunihue, Mackay, and Pierce.

Research: Drs. Amidon, Dunihue, Pierce, Raab, and Soule.

Student Relations: Drs. Beecher, Brown, and Buttles.

* Deceased October 22, 1940.
FACULTY OF THE COLLEGE OF MEDICINE

HARDY ALFRED KEMP. . . . . . . . Dean, Professor of Preventive Medicine
B.S., University of St. Louis, 1923; M.D., 1926.

JOHN BROOKS WHEELER. . . . . . Professor Emeritus of Surgery
A.B., University of Vermont, 1875; M.D., Harvard, 1879; Sc.D., 1921.

DAVID MARVIN. . . . . . . . . . . . Professor Emeritus of Pharmacology
M.D., University of Vermont, 1900.

CLARENCE HENRY BEECHER. . . Professor of Medicine
M.D., University of Vermont, 1900.

THOMAS STEPHEN BROWN. . . . . . Thayer Professor of Anatomy
A.B., University of Vermont, 1875; M.D., 1879; Sc.D., 1921.

FRED KINNEY JACKSON. . . . . . Professor of Physiology
A.B., University of Vermont, 1897; M.D., 1899.

CHARLES FLAGG WHITNEY. . . Professor of Physiological Chemistry and
B.S., University of Vermont, 1897; M.D., 1903; M.S., 1904.

CHARLES FRANCIS DALTON. . . Professor of Public Health
M.D., University of Vermont, 1903.

ERNEST HIRAM BULLIES. . . . . . Professor of Pathology and Bacteriology
A.B., University of Vermont, 1901; M.D., 1908.

LYMAN ALLEN. . . . . . . . . . . . Professor of Surgery
A.B., University of Vermont, 1893; M.D., 1896.

JAMES CHARLES O'NEIL. . . . . . Professor of Psychiatry
B.S., University of Vermont, 1906; M.D., 1917.

GEORGE MILLAR SABIN. . . . . . Professor of Clinical Surgery
B.S., University of Vermont, 1896; M.D., 1900.

HOVEY JORDAN. . . . . . . . . . . Professor of Histology and Embryology
Ph.B., University of Vermont, 1913; M.S., 1914; A.M., Harvard, 1916.

EMMUS GEORGE TWITCHELL. . . Professor of Ophthalmology,
A.B., Queen's University, Canada, 1902; Otolaryngology and Rhinology
M.D., C.M., 1906.

OLIVER NEWELL EASTMAN. . . . . . Professor of Gynecology
M.D., University of Vermont, 1908.

HERBERT ASHLEY DURFEE. . . . . Professor of Obstetrics
A.B., University of Vermont, 1917; M.D., 1920.

ARTHUR BRADLEY SOULE, JR. . . . Professor of Radiology
A.B., University of Vermont, 1925; M.D., 1928.

HAROLD BARNARD PIERCE. . . . . Professor of Physiological Chemistry
B.S., Massachusetts State College, 1917; M.S., Pennsylvania State College, 1921;
Ph.D., University of Rochester, 1928.

WILLIAM GRAVES TOWNSEND. . . . . Professor of Urology
B.S., Dartmouth, 1919; M.D., University of Vermont, 1924.
ASSOCIATE PROFESSORS

ELLSWORTH LYMAN AMIDON
Associate Professor of Medicine
B.S., Tufts College, 1927; M.D., University of Vermont, 1932.

BIRD JOSEPH ARTHUR BOMBARD
Associate Professor of Clinical Surgery
M.D., University of Vermont, 1905.

RAY GILBERT DAGGS
Associate Professor of Physiology
B.S., Bucknell University, 1926; Ph.D., University of Rochester, 1930.

PAUL KENDRICK FRENCH
Associate Professor of Clinical Medicine
Ph.B., University of Vermont, 1920; M.D., 1923.

ALBERT GEORGE MACKAY
Associate Professor of Surgery
B.S., University of Vermont, 1929; M.D., 1932.

ASSISTANT PROFESSORS

BENJAMIN DYER ADAMS
Assistant Professor of Surgery
M.D., University of Vermont, 1908.

WILLIAM BRADFORD ADAMS
Assistant Professor of Clinical Pediatrics
M.D., Harvard Medical School, 1918.

MAURICE NORBERT BELLEROSE
Assistant Professor of Orthopedic Surgery
B.S., Norwich University, 1925; M.D., University of Vermont, 1929.

LOUIS BENSON
Assistant Professor of Preventive Medicine
B.S., Northeastern University School of Engineering, 1924;
M.D., Tufts Medical College, 1932.

WALTERS DANIEL BIEBERBACH
Assistant Professor of Clinical Urology
M.D., University of Southern Tennessee, 1904.

PAUL WILLIAM BUTTERFIELD
Assistant Professor of Pathology
A.B., Bowdoin College, 1930; M.D., Boston University, 1934.

PAUL DENNISON CLARK
Assistant Professor of Pediatrics
M.D., University of Vermont, 1926.

GARDNER NATHAN COBB
Assistant Professor of Clinical Pediatrics
A.B., Dartmouth, 1901; M.D., 1904.

ROY EDWARD CORLEY
Assistant Professor of Pediatrics
A.B., Holy Cross College, 1921; M.D., University of Vermont, 1925.

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Assistant Professor of Pharmacology

JOHN EMMANUEL DAVIS
Assistant Professor of Clinical Dermatology
A.B., Oberlin, 1930; M.S., University of Michigan, 1931;
Ph.D., University of Chicago, 1936.

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Assistant Professor of Clinical Dermatology
M.D., University of Maryland, 1908.
FRED WILLIAMS DUNIHUE . . . . . . . . Assistant Professor of Histology and Embryology
A.B., Wabash College, 1929; M.S., New York University, 1931; Ph.D., 1934.

ARTHUR FORD GEDDES EDGELOW . . . . . . . . Assistant Professor of Clinical Obstetrics
A.B., Trinity College, 1914; M.D., Harvard Medical College, 1918.

JOHN ARCHIBALD FERGUSON . . . . . . . . Assistant Professor of Pathology
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WINTHROP MAILLOT FLAGG . . . . . . . . Assistant Professor of Urology
M.D., University of Vermont, 1934.

THEODORE HENRY HARWOOD . . . . . . . . Assistant Professor of Medicine
A.B., Hamilton College, 1932; M.D., University of Vermont, 1936.

AYMER SETH COLUMBUS HILL . . . . . . . . Assistant Professor of Clinical Medicine
M.D., University of Vermont, 1898.

MILFORD LEROY HOBBS . . . . . . . . Assistant Professor of Pathology
M.D., Washington University, 1931.

ARTHUR RUSH HOGAN . . . . . . . . Assistant Professor of Clinical Surgery
A.B., University of Vermont, 1919; M.D., 1922.

DAVID WILLIAM JAMES . . . . . . . . Assistant Professor of Obstetrics and Gynecology
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WENDELL EVERETT JAMES . . . . . . . . Assistant Professor of Clinical Pathology and Bacteriology
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ARTHUR LEO LARNER . . . . . . . . Assistant Professor of Otolaryngology and Rhinology and Clinical Instructor in Ophthalmology
M.D., University of Vermont, 1904.

PETER PAUL LAWLOR . . . . . . . . Assistant Professor of Otolaryngology and Rhinology and Clinical Instructor in Ophthalmology
M.D., University of Vermont, 1920.

CLIFFORD SHATTUCK LEONARD . . . . . . . . Assistant Professor of Pharmacology
Ph.B., Yale, 1915; M.S., 1917; Ph.D., Wisconsin, 1920.

KARL CORNELIUS McMahan . . . . . . . . Assistant Professor of Ophthalmology and Rhinology and Clinical Instructor in Otolaryngology and Rhinology
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A.B., University of Vermont, 1919; M.D., 1922.

ROBERT LELAND MAYNARD . . . . . . . . Assistant Professor of Orthopedic Surgery
M.D., University of Vermont, 1911.

CHARLES PERKINS MOAT . . . . . . . . Assistant Professor of Public Health
B.S., Massachusetts Institute of Technology, 1896.

CHESTER ALBERT NEWHALL . . . . . . . . Assistant Professor of Anatomy
A.B., Northwestern College, 1924; M.D., University of Vermont, 1928.

WILHELM RAAB . . . . . . . . Assistant Professor of Clinical Medicine
M.D., University of Vienna, 1920; M.D., German University of Prague, 1926.
WALFORD TUPPER REES.......................... Assistant Professor of Surgery
M.D., University of Vermont, 1924.

EDWARD JAMES ROGERS.......................... Assistant Professor of Clinical Medicine
B.S., The Citadel, 1896; M.D., South Carolina, 1908; M.D., Columbia, 1912.

FERDINAND JACOB MORRIS SICHEL.............. Assistant Professor of Physiology
B.S., McGill, 1928; M.S., New York University, 1930; Ph.D., 1934.

WALTER ALVA STULTZ............................ Assistant Professor of Anatomy
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HIRAM EUGENE UPTON............................. Assistant Professor of Clinical Medicine
B.S., St. John's College, 1924; M.D., University of Maryland, 1927.

FOSTER LANE VIBBER............................. Assistant Professor of Clinical Neurology
M.D., Tufts Medical College, 1929.

VISITING PROFESSORS

FRANK ROBERTS OBER............................. Visiting Professor of Orthopedic Surgery
M.D., Tufts Medical College, 1905.

JAMES NORMAN PETERSEN........................ Visiting Professor of Neurology
B.S., McGill University, 1920; M.D., C.M., 1923.

ADOLPHUS DUNCAN ROOD........................ Visiting Professor of Bronchoscopy
M.D., University of Vermont, 1908.

EUGENE FREDERICK TRAUB......................... Visiting Professor of Dermatology
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INSTRUCTORS

JOHN ABAJIAN, JR.................................. Instructor in Anesthesia
M.D., New York Medical College, 1937.

PAUL MILLNER ASHTON........................... Instructor in Clinical Obstetrics
A.B., Amherst College, 1925; A.M., 1926; M.D., Johns Hopkins Medical School, 1930.

AZEL PACKARD BARNEY............................ Instructor in Clinical Obstetrics
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NATHAN RENWICK CALDWELL....................... Instructor in Clinical Radiology
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STUART STARNES CORBIN.......................... Instructor in Pediatrics
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THOMAS PATRICK CUNNINGHAM.................... Instructor in Clinical Pediatrics
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Henry Maurice Farmer ................... Instructor in Preventive Medicine and
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Lester Mahan Felton ...................... Instructor in Clinical Urology
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Orlo Charles Paciulli, Captain, Medical Corps, U. S. A
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*Absent on leave.
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A.B., Marquette University, 1925; M.D., Johns Hopkins, 1929.

Charles Arthur Ravey .................. Instructor in Clinical Medicine
M.D., University of Vermont, 1918.

Laurence Lamson Robbins ............ Instructor in Pathology
B.S., University of Vermont, 1935; M.D., 1937.

Watson Frank Rogers .................. Instructor in Clinical Medicine
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Jesse Albert Rust, Jr. ............... Instructor in Clinical Obstetrics
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Nicholas Salvatore Scarcello ......... Instructor in Clinical Urology
M.D., Tufts Medical College, 1930.

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B.S., Massachusetts State College, 1938; M.S., 1940.

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D.D.S., Marquette University, 1935.

Stanley Steven Stusick ............... Instructor in Clinical Obstetrics
M.D., Tufts Medical College, 1924.

Christopher Marlowe Terrien .......... Instructor in Clinical Medicine
M.D., University of Vermont, 1936.

Joseph George Thabault .............. Instructor in Clinical Medicine
B.S., Joliet College, 1897; M.D., Laval University, 1901.

Louis George Thabault ............... Instructor in Surgery
M.D., University of Vermont, 1930.

Frederick Charles Thorne ............ Instructor in Psychiatry
A.B., Columbia, 1930; A.M., 1931; Ph.D., 1934; M.D., Cornell, 1938.

George Chandler Tully ............... Instructor in Clinical Urology
B.S., Dartmouth, 1927; M.D., University of Vermont, 1931.

Fellows

John Philip Crispell ............... Fellow in Physiological Chemistry
B.S., Pennsylvania State College, 1939.

Platt Rugar Powell ................. Fellow in Pathology
B.S., University of Vermont, 1936; M.D., 1939.

Assistants

Clarence Edward Bombard ............ Assistant in Surgery
B.S., University of Vermont, 1934; M.D., 1937.

Dorothy Black Corbin ............... Assistant in Pediatrics
B.S., Simmons, 1932; M.D., Tufts, 1937.

* Absent on leave.
WILLIAM HENRY HEININGER. Assistant in Medicine M.D., University of Vermont, 1939.

JOHN HENRY McCREA. Assistant in Medicine B.S., University of Vermont, 1935; M.D., 1938.

ROGER WENDELL MANN. Assistant in Pathology A.B., Eastern Nazarene College, 1935; M.D., University of Vermont, 1939.

OSCAR SYLVANDER PETERSON, JR. Assistant in Physical Therapy M.D., University of Vermont, 1936.

SPECIAL LECTURERS

AARON HINMAN GROUT. Lecturer in Medical Jurisprudence Ph.B., University of Vermont, 1901.

DAVID MANSON. Special Lecturer in Oral Hygiene and Dental Medicine B.S., Temple, 1900.

LIBRARIAN

MARY OLIVE BOYNTON, PH.B., Librarian, Medical Library 31 S. Prospect Street

TECHNICIANS

JOHN CHARLES BOLDOSSER, Laboratory Assistant in Pathology Department 26 Germain Street

FLOYD BOSTWICK, Technician in Physiology and Pharmacology Departments 20 N. Union Street

DALLAS RICHARD BOUSHEY, Technician in Anatomy Department 17 Center Street

FRANK CHARLES MALLORY, Technician in Anatomy Department 86 Caroline Street

CHARLES WESLEY SHEPARD, Technician in Physiology and Pharmacology Departments 152 S. Champlain Street

HERBERT WILLIAM WELCOME, Technician in Bacteriology and Chemistry Departments 199 N. Winooski Avenue

ASSISTANTS

CHARLOTTE MAE BAILEY, R.N., Physiotherapy Technician Mary Fletcher Hospital

MRS. WILLIAM MADIGAN, R.N., Dispensary Nurse 204 N. Willard Street

CORNELIA JOSEPHINE BAYLIES, A.B., Secretary to the Dean 28 Clarke Street
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 are, 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.

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." Anyone 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 Chirugery 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 coordinate 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. This requirement has now been increased to three years of college work. In 1920 women were admitted to the College of Medicine. Clinical teaching in the fourth year will be extended from thirty-two to forty-four weeks beginning June 1, 1941.

THE COLLEGE OF MEDICINE BUILDING

The College of Medicine building, located at the north end of the College Green, is entirely adequate for the teaching of the preclinical years and for the didactic work of the third year. It is built of red brick with gray terra-cotta trimmings, is three stories high, and is fireproof.

This modern building is well equipped for teaching all branches of medical science, and includes up-to-date facilities for laboratory work. On the ground floor are located the Administrative Offices of the College and of the University, and the Histology, Pathology, and Bacteriology Laboratories. An amphitheatre, capable of seating one hundred and fifty, is located on this floor. A second amphitheatre of slightly smaller capacity is located on the second floor. The Library of the College of Medicine, which is a division of the University Library, occupies the southwest portion of the second floor. The offices and student and research laboratories of the Departments of Physiological Chemistry and Pharmacology are also located on this floor. On the third floor are housed the Departments of Anatomy and Physiology. The dissecting laboratory of the Department of Anatomy is well arranged, well lighted and well equipped. The student laboratory of the Physiology Department was recently rebuilt and equipped with large working benches supplied with sinks, alternating
and direct current, and impulse timing, thus allowing for the best forms of experimental work. Offices and research laboratories for the use of the members of these two departments are also on this floor. In the basement of the building are research and technical laboratories of the Departments of Pathology and Anatomy. There is also a large student lounge and a branch of the College Book Store. The latter operates a soda fountain and restaurant where lunches may be purchased.

Adjacent to the Medical Building are the offices and laboratories of the Vermont Department of Public Health, and an animal house used by the College for undergraduate teaching and research.

CLINICAL FACILITIES

The normal capacity of the general hospitals in Burlington used by the Medical College is 510 beds. Fully four hundred of these beds are used without restriction by the College for clinical teaching. Arrangements with the Wesson Maternity Hospital in Springfield, Massachusetts, offer an additional 80 beds for obstetrics, together with accompanying facilities for clinical studies of the new-born. Services in urology, neurology, and pediatrics at the Worcester City Hospital bring corresponding increases in numbers of patients seen.

To these clinical facilities are added those of the State Hospital for mental disease, 1,035 beds, at Waterbury, Vermont; the Vermont Sanatorium for tuberculosis and the Caverly Preventorium at Pittsford, 80 and 48 beds respectively; the hospital facilities of the Brandon State School for the feeble-minded, and the teaching facilities available through the study of children at the Vermont State Home for Destitute Children and St. Joseph's Orphanage, both in Burlington. The number of children cared for in these latter two institutions totals well over three hundred. Admissions to the medical, surgical, obstetrical, and specialty services used for teaching purposes approximate 12,000 exclusive of the special facilities just described. With this amount of clinical material and with a limited enrollment of thirty-two students in each of the two classes doing clinical work, an entirely favorable patient-student ratio obtains.

HOSPITALS

THE MARY FLETCHER HOSPITAL. This general hospital of 165 beds has been associated with the Medical College for teaching purposes since 1879. All medical and surgical services are represented. The hospital averages well over 5,600 cases yearly, of which fully two thirds are available for teaching purposes through the use of free and part-pay beds, and through the private cases of attending staff men who are connected with the College in a teaching capacity. The hospital carries the approval of the American Medical Association for residencies in medicine, radiology, and pathology.
THE UNIVERSITY OF VERMONT

THE BISHOP DEGOESBRIAND HOSPITAL. The Bishop DeGoesbriand Hospital, operated by the Sisters of St. Joseph, was completed in 1924. This fully modern and completely equipped institution is located on the west side of the College Green and directly across the corner from the Medical College. It is fully approved for interne training. Arrangements are now effective in this general hospital for the use of service cases and certain private cases for third and fourth year teaching. The hospital averages over 3,700 cases annually. Its capacity is 125 beds, of which only 43 are allocated for private patients. All services are represented. Members of the attending staff hold teaching positions in the College.

THE STATION HOSPITAL, FORT ETHAN ALLEN. The clinical facilities of this hospital are used by the College to the fullest extent. Far from presenting the average type of clinical material to be found in Station Hospitals of the Army, the teaching material afforded the school by this institution through its services to the personnel of Fort Ethan Allen, the regional camps of the Civilian Conservation Corps, and emergency hospitalizations for beneficiaries of the Veterans' Facility and Works Progress Administration, is most varied in its scope. The hospital averages over 1,600 cases annually, the average daily census being well over 100. The hospital's normal capacity is 150 beds. The medical services yield an abundance of the more severely acute forms of respiratory and cardiac infections, together with a fully representative amount of functional diseases of various description. The surgical division, in addition to the usual service, presents a very considerable number of traumatic cases including a wide variety of fractures and dislocations. Members of the commissioned personnel hold appointments in the College and take an active part in the teaching of the sections assigned to their charge. Fort Ethan Allen is within four miles of the College and is easily reached by bus or private car.

THE FANNY ALLEN HOSPITAL, WINOOSKI. This hospital, the smallest of those associated with the College, presents an unusually large and varied amount of teaching material in the 1,150 cases admitted there yearly. Practically all of these are service cases. The attending staff hold teaching appointments in the College and take charge both of third year ward work and fourth year clinical clerkships. Fourth year men assigned to this hospital assume, under close supervision by the teaching staff, the full duties of interns. Two fourth year men are assigned monthly to this hospital. A section of four third year men are assigned there for ward work in physical diagnosis.

THE WORCESTER CITY HOSPITAL, WORCESTER, MASSACHUSETTS. Clinical clerkships in urology in both outpatient and inpatient services, including work in the venereal disease clinic of the City of Worcester, are available to sections of four men from the fourth year class assigned to this service on a monthly basis. The service is under the direct supervision of the head of the Division of Urology in the Department of Surgery. Teaching is
carried on by the attending staff in urology, all of whom hold appointments in the College. The urological service averages over 900 inpatient and 3,600 outpatient cases annually. In addition to work in urology, the section at Worcester also carries an assignment in clinical neurology under the tutelage of the attending staff in neurology who, again, are faculty members of the University of Vermont College of Medicine. The work includes both inpatient and outpatient studies. Clinical work in pediatrics and dermatology is available under similar supervision. The student section in Worcester also participates in grand ward rounds and is privileged to attend staff meetings and conferences pertaining to the medical services of the hospital. On assignment to this service, students take up residence for a month in Worcester. As with senior students elsewhere, their work is on a day-around basis.

OBSTETRICAL SERVICE. The obstetrical service centers around work in Burlington which includes attendance at the maternity ward of the Mary Fletcher Hospital, the prenatal and postnatal clinics held at the Burlington Free Dispensary, and a service at the Elizabeth Lund Home. This work is supplemented by a four weeks' residency as clinical clerks at the Wesson Maternity Hospital in Springfield, Massachusetts. Prenatal and postnatal clinics are attended there also. Sections of four students each spend one month on the Burlington service and one month on the Springfield service.

The service at The Elizabeth Lund Home is under the immediate direction of the Professor of Obstetrics of the College of Medicine. Patients are assigned to individual students who, under the supervision of a clinical instructor, act as labor clerks, taking histories, making general physical and obstetrical examinations and keeping detailed records. The labor clerk observes or assists at deliveries. At the Lund Home the student is taught a technic designed to meet obstetrical problems under conditions which might be found in a private home where only limited resources and limited facilities are at hand. Hospital technics are learned in the study of labor cases attended at the Mary Fletcher Hospital.

During the past year the Burlington service handled 363 deliveries.

Wesson Maternity Hospital, Springfield, Massachusetts. At the Wesson Maternity Hospital in Springfield, Massachusetts, the work includes services in the prenatal and postnatal clinics maintained by the Hospital; work in the laboratory, where blood-bank service is particularly emphasized, and supervised participation in deliveries both normal and abnormal. The service averages between fifty and sixty patients per month, the student participating in from fifteen to twenty deliveries in each instance. Students may avail themselves of the training in practical obstetrics offered during the summer months by the Berwind Clinic in New York City. These appointments are made for a period of three weeks during the summer, between the third and fourth years.
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 400 children; the Preventorium, 48; the Brandon State School, 300. Each institution is under the personal direction of a member of the teaching staff.

Care of the new-born, both premature and full term, is included in the service at the Wesson Maternity Hospital in Springfield, Massachusetts. The students on duty there are encouraged to attend well-baby clinics maintained by various organizations in the city. Additional work in clinical pediatrics is available at the Worcester City Hospital.

VERMONT STATE HOSPITAL, WATERBURY. This institution with 1,035 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 are given one week of intensive instruction, as resident students, by the chief of the staff, who is also Professor of Psychiatry in the College.

THE VERMONT SANO~TARIUM AND C~VERLY PREVENTORIUM, PITTSFORD. The Vermont Sanatorium for incipient and early tuberculosis with 80 beds and the Caverly Preventorium for undernourished children with 48 beds, both located at Pittsford, 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 intensive instruction in tuberculosis, free from the disturbing influences of the larger general institution, 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.

BRANDON STATE SCHOOL. Small sections are assigned to week-end trips to the Brandon State School for clinical demonstrations. These clinics are in charge of the State Psychiatrist and are offered to supplement the clinic in mental hygiene conducted at the Dispensary in Burlington.

DISPENSARIES. Two dispensaries are maintained by the College: one at the Mary Fletcher Hospital, and one at 174 Pearl Street, for many years occupied by the Howard Relief Society. In addition to a complete renovation of the two floors used for outpatient service, the College has at considerable expense re-equipped the services offered there. During the fiscal year ending June 30, 1940, the Dispensary handled 19,328 visits.

As regards clinical teaching, it is to be pointed out that the relatively small number of patients seen is, perhaps, more to the student's advantage than if he were to see four or five times as many. This is all the more true
considering the added advantage of his seeing these patients under the guidance of full-time clinical teachers.

The arrangement whereby the Howard Relief Society, the Visiting Nurses Association, and the Vermont Children's Aid are housed in the same building with the Dispensary affords a most useful correlation of medical service work and allows the students attending the services ample opportunity to familiarize themselves with organized welfare work, both State and voluntary.

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 externe services. Senior students are assigned definite duties in rotation to both interne and outside services, under the personal supervision of a full-time clinical instructor.

LIBRARY AND MUSEUM

The Library of the College of Medicine contains 11,820 volumes and 18,000 pamphlets. It is located on the second floor of the Medical Building. There are 180 current medical journals on file and loose-leaf systems of medicine and surgery are kept up to date. From time to time it has acquired valuable accessions, having received the medical libraries of the late Dean H. C. Tinkham, Dr. D. C. Hawley, Dr. F. T. Kidder, Dr. F. W. Sears, Dr. J. L. Campbell, Dr. I. C. Eisenberg, Dr. E. W. Shipman, Dr. R. T. Johnson, Dr. G. B. French, the Drs. Bullard, Dr. F. D. Carr, the latter a gift of Dr. C. D. Pierce, and also some valuable old books, the gift of Dr. T. S. Brown. In October, 1937, the medical library of the late Dean J. N. Jenne, amounting to about five hundred volumes, was received. The State Laboratory of Hygiene offers for the use of the students of the College its complete list of medical journals and periodicals.

In addition to the main library, departmental libraries are located in the rooms of the Departments of Anatomy, Pathology, Chemistry, Physiology and Pharmacology, respectively. These libraries include the books of reference commonly used in the various courses.

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, makes up the Stone Memorial Library, which is an integral part of the library of the College of Medicine.

In addition to full exchange privileges with larger libraries, the Medical College has recently made provision for the use of microfilm apparatus, thus making it possible to have the use of publications not regularly received.
The Medical Museum contains a large number of specimens, illustrating the development of the body, the relation of normal structures of 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 and Embryology, 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 Public Health in the College; the Director of the Board of Health Laboratory is Professor of Toxicology and Physiological Chemistry in the College; and the Sanitary Chemist of the former institution is Assistant Professor of Public Health in the department of Preventive Medicine and Public Health.

Classes in water and milk analysis are held at the Laboratories of the State Board of Health; 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.

Well-equipped dark rooms and photographic laboratories which include equipment for photomicrography are maintained in the College of Medicine Building and at the Mary Fletcher Hospital. These facilities may be used for any department of the College.

PARTICIPATION IN HEALTH ACTIVITIES WITHIN THE STATE

At the last session of the State Legislature, provision was made for the establishment and maintenance of a State Cancer Commission whose function would be both that of case-finding and, to a certain extent, the treatment of patients suffering from malignant neoplasms. The Medical College through its faculty, both full-time and part-time, has been active in staffing the clinics held in Burlington and in making full provision for histological diagnosis in all cases seen by the Commission. The close co-
operation between the faculty men in Burlington, the State Division of Women's Field Army Against Cancer, and the Cancer Commission affords a splendid instance of the Medical College's usefulness to this region and its role in problems not primarily connected with medical teaching.

An additional participating activity in the field of preventive work is the Medical College's interest and activities in aiding case-finding in tuberculosis, mental disease, diseases of the eyes, and in work for crippled children. While such clinics are for the most part staffed by men whose primary interests are centered in the State organizations with which they are connected, the Medical College meets a generous share of the expense of these clinics, houses most of those held in Burlington, and stands in a position to augment the diagnostic services concerned. Maternal welfare in Vermont benefits materially from the College's policy of affording hospitalization for lying-in cases in instances of medical indigency. The same, of course, is true for those able to avail themselves of the diagnostic and therapeutic clinics maintained by the College. There is no major health activity in Vermont either State supported or privately supported in which the Medical College does not play an integral part.

Finally, the Medical College offers organized courses in postgraduate medical studies to the practitioners of the region it serves. The College's policy is strongly inclined toward the feeling that a very considerable part of its activities should be the encouragement of a continuation of medical study by medical practitioners after their graduation. Postgraduate courses are, accordingly, offered at relatively frequent intervals.

FEES AND EXPENSES

Tuition Fee for each session for Vermont students ................................ $350.00
Tuition Fee for students not residents of Vermont ......................... 450.00
Osler Club Fee .............................................................. 3.50
Fee for the Doctor's Degree, payable at graduation only ............ 25.00

Average Range

Room Rent in Converse Hall ........................................ $125.00 to $150.00
Room Rent in the city .................................................. 100.00 to 150.00
Board ................................................................. 200.00 to 300.00

Each student is required to deposit $20 at the beginning of the college year to cover any breakage charges which may be reported. The amount charged in each year will be collected at the opening of the following year, thereby re-establishing the deposit annually in its original amount. At the end of the fourth year the amount standing to the credit of each senior will be applied toward the fee for the Doctor's Degree.

Each student in the College of Medicine is required to purchase or rent at the beginning of his Freshman year a compound microscope, conform-
ing in make, model and equipment to a specified standard. Approved microscopes are sold or rented to students at the Medical Book Store.

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

The annual tuition fee is payable in two equal installments, at the beginning of each semester. Students are not admitted to classes of a half year until the comptroller's receipt has been issued.

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.

In no case will a scholarship or tuition exemption be available for more than four years.

HONORS AND PRIZES

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 Governor Woodbury Prizes.*—The Governor Woodbury First Prize of twenty-five dollars 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 of twenty-five dollars 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.

*The Carbee Prize.*—A prize fund of three thousand dollars, established by the late Mrs. May D. Carbee of Haverhill, N. H., in memory of her husband, Moses Dyer Carbee, M.D., of the class of 1873, provides that the income of one hundred and fifty dollars on said fund be awarded annually by the Department of Obstetrics to that student of the Senior class who has shown the greatest proficiency in the subject of Obstetrics.
FELLOWSHIPS, SCHOLARSHIPS AND LOAN FUNDS

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 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.

A scholarship fund of three thousand dollars was established by the late Mrs. May D. Carbee of Haverhill, N. H., in memory of her husband, Moses Dyer Carbee, M.D., of the class of 1873. The income of one hundred and fifty dollars on said fund is to be given annually to a deserving student in the College of Medicine, said scholarship award to be made by the Scholarship Committee of the University.

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.

A loan fund of four thousand dollars was established by the late Mrs. May D. Carbee of Haverhill, N. H., in memory of her husband, Moses Dyer Carbee, M.D., of the class of 1873. This fund is for the benefit of deserving students of the College of Medicine subject to the usual rules governing loan funds.

The Edith Blanche Kidder Scholarships of fifty dollars each, five in number, were established by the late Joseph W. Kidder. These are for students in the College of Medicine, preference being shown to legal residents of Barre, Vermont.

The Medical College Loan Fund amounting to twenty-eight hundred and fifty dollars, is available for loans to students enrolled in the College of Medicine.

There are also certain special and endowed scholarships which are available to students of any college in the University. For information concerning these, see the catalogue number of this Bulletin.
It is 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 Junior or Senior standing in the College of Arts and Sciences before entering the College of Medicine.

No provision for this combination of courses is made in the College of Arts curricula in Social Science, Chemistry, Education, and Commerce and Economics, or in the Colleges of Engineering and Agriculture.

**OUTLINE OF THE FIRST THREE YEARS OF THE B.S.-M.D. COMBINATION CURRICULUM**

**THE FRESHMAN YEAR**

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<td>Mathematics 1</td>
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<td>French 1 or 3, or German 1 or 2</td>
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<td>Chemistry 1 or 2</td>
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<td>Botany 1 and Zoology 1</td>
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<td>Physical Education 1</td>
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<td>Military Science 1 (Men)</td>
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Enrollment in the College of Medicine has been restricted in order to maintain the highest scholastic standards. At the present time thirty-two students are selected for the entering class.

A minimum of three years of college work in which certain subjects are required is a prerequisite for admission to the College of Medicine. It is a further prerequisite that this work shall have been done in an institution approved for premedical training by the American Medical Association. The required courses are one year each of English, Inorganic Chemistry, Organic Chemistry, Physics, and Biological Science.

The premedical curriculum offered in the College of Arts and Sciences not only covers this work but also coordinates in subject matter with the courses in the College of Medicine. The Admissions Committee expects applicants to have completed a program very much like that outlined above. At the same time the Committee may, at its discretion, give favorable consideration to applicants who have not found it possible to follow in close detail the premedical curriculum provided that they have completed three years of college work and are able to show acceptable credit in the required courses.

In general, preference is shown in matters of admission: First, to residents of the State of Vermont; second, to sons and daughters of graduates of the University. If vacancies remain after these two groups have been considered, the quota will be filled with those non-resident applicants who, in the judgment of the Medical Admissions Committee, are best qualified to prepare for the practice of medicine.

All candidates must be able to show the Admissions Committee not only that they have passed the courses necessary to fulfill the entrance requirements, but also that their scholarship and personal qualifications...
for the study of medicine are of such character as to give high promise for success in the course of their medical studies.

Eligibility of an applicant for enrollment in the Freshman class as finally determined by the Admissions Committee of the College of Medicine is based upon:

1. The amount of premedical and other subject matter, and the quality of the record.
2. The score reported in the Aptitude Test, adopted by the Association of American Medical Colleges.
3. The personality and general fitness of the applicant for the study of medicine as determined by a personal interview with the above-named committee and by the recommendations of his premedical instructors and other persons.

Application blanks for entrance to the first year class may be secured from the Dean upon request. Individuals selected by the Admissions Committee on information so furnished will be given personal interviews. Notification of selection for personal interviews will be carried out by the Dean's office. Applications will be received until May first of the year of entrance.

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.

ADMISSION OF STUDENTS TO ADVANCED STANDING

For a number of years the College of Medicine has not accepted any students to advanced standing. Should, however, any exception be made, the following requirements would be rigidly imposed:

1. That the premedical and medical work accord with the course required at this institution, and were taken at an institution approved by the Council on Medical Education and Hospitals of the American Medical Association.
2. That the scholastic record is satisfactory.
3. That the previous record shows that one or more years have not been repeated on account of low scholarship regardless of class standing.
4. That the statement of record shows no outstanding condition whatsoever and that a letter of honorable dismissal be presented.

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

Students dismissed by reason of failure grades from other institutions will not be considered for admission to any class in the College of Medicine.

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 with the grades, and the conditions under which he could continue.

**REQUIREMENTS FOR AN 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 plan for the medical course of study is understood to comprise four consecutive school years. Any resumption of study after absences greater than the time now allowed for absence will be permitted only on majority vote of the Faculty after careful study of the case by the Admissions Committee.

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 midyear 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 failing in any course
and yet permitted to advance with his class shall not be promoted a second time until that failure is removed. Students who have failed in more than twenty-five per cent of the work by subjects in any year may enroll the following session to repeat the work of that year only upon consideration and express approval of the Faculty.

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 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.

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 the four courses of instruction in medicine.

While interneship is not required for graduation, graduates are expected to serve at least a one-year internship in a hospital approved by the Council on Medical Education and Hospitals of the American Medical Association in addition to the four years of college work.

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-YEAR CURRICULUM

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 and how such changes give rise to different symptoms and physical signs. The methods of interpreting such findings in arriving at a diagnosis are also considered.

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 along with the indications for treatment or operation. Reproduction and development are studied together with the management of normal and abnormal labor.
Instruction is given by lectures, demonstration, 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. Each student, therefore, receives the personal attention of the instructor and is given every opportunity for the full use of assigned material.

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

In the Second Year courses are given in Pharmacology, Pathology, Bacteriology and Public Health. Anatomy and Physiology are completed in this year. Medicine, Surgery, Obstetrics and Psychiatry, find their introduction in the second year's curriculum. Throughout the year every effort is made to integrate the student's work so that the relation of each course to the others is fully apparent and the student is brought to an appreciation of the interrelations of the medical sciences. As a part of this plan, a two-hour period is set aside each week during the second semester for a correlation conference. This is offered as a course in itself and is designed to emphasize interdepartmental studies and interdepartmental relationships. Selected cases are brought forward for study and each of the departments connected with second-year teaching takes part in this assignment.

The work of the Third Year includes further study in Medicine, Surgery, Obstetrics, Pediatrics, Therapeutics, and the various subjects of Medicine and Surgery. Pathology is extended into the third year both as a continuation of the second year's general course and as a course outlining special pathological conditions encountered in clinical medicine. With this in view, emphasis is placed on Surgical Pathology, both gross and microscopic.

Ward work in Physical Diagnosis is begun in the third year. Students are assigned in small sections to the wards of the hospitals connected with the College. This work, under proper supervision, includes the taking of histories and physical examinations. When the work is completed, the case is presented before the section for criticism by the instructor. Ward work of this nature occupies the afternoon periods of the third year.

The correlation conferences begun in the second half of the second year are continued at weekly intervals throughout the third year. While the principal emphasis in the second-year correlation conferences is placed on problems more related to preclinical subjects, in the third year the conferences go further into clinical problems keeping in close touch, nevertheless, with established bases in preclinical fields. Here again the conference is offered as a joint activity of the departments associated with the class's instruction. The plan follows that of the second year in using selected cases for discussion.

Practical courses in Minor Surgery and manikin exercises in Obstetrics are also offered in the third year.
The Fourth Year is devoted to the study of clinical diagnosis and the treatment of disease, the work being entirely clinical and without didactic teaching.

The class is divided into sections of not more than four students each. These sections are assigned to various services in rotation. These services include Medicine, Surgery, Obstetrics and Pediatrics, together with the Medical and Surgical specialties.

During the year the students are required to attend autopsies under the instruction of the Professor of Pathology, and to make such study of the tissues removed as may be of value in understanding the pathological history of the case.

As a supplement to the clinical work in Burlington, a month's service in Obstetrics is added through residence at the Wesson Maternity Hospital in Springfield, Massachusetts. An additional month is spent in Urology and Neurology at the Worcester City Hospital. Studies in residence at the State Hospital for mental disease at Waterbury and the State Sanatorium at Pittsford are included in the fourth year.

The correlation or clinical conference periods of the fourth year are offered through service ward rounds, grand ward rounds, interdepartmental diagnostic conferences, and the clinical-pathological conferences of the hospital staff. While most of the emphasis necessarily is placed on the clinical aspects of the cases under study, no opportunity is lost for reviewing preclinical fundamentals.
DETAILS OF INSTRUCTION IN THE DEPARTMENTS OF STUDY

THE DEPARTMENT OF ANATOMY

THOMAS STEPHEN BROWN, M.D., Thayer Professor of Anatomy
HOVEY JORDAN, PH.B., M.S., M.A., Professor of Histology and Embryology
CHESTER ALBERT NEWHALL, A.B., M.D., Assistant Professor of Anatomy
WALTER ALVA STULTZ, A.B., PH.D., Assistant Professor of Anatomy
FRED WILLIAMS DUNIHUE, A.B., M.S., PH.D., Assistant Professor of Histology and Embryology
*JEAN BARNETT PIATT, B.S., M.A., PH.D., Instructor in Anatomy

FIRST YEAR:

I. Gross Anatomy

This course starts with a brief introduction to the study of human anatomy, followed by a few sessions devoted to osteology. As a supplement to osteology, the appearances of the bones as shown on x-ray films are demonstrated by Dr. Soule, Professor of Radiology.

The plan of work then provides for dissection of the body from the standpoint of topographical and regional anatomy. As a general rule, structures to be dissected during a given period are assigned in the order in which they are encountered in the dissecting room and are studied and discussed in advance so that the student will be somewhat familiar with what he expects to discover in the laboratory.

Frequent review sessions are held and each student is given oral examinations on cadaver dissections as well as written examinations on the material presented.

An attempt is made to correlate the subject matter with other preclinical and clinical courses so that the student will have an opportunity to acquire a good working knowledge of gross anatomy with a minimum amount of time and effort wasted.

432 hours (22 hours per week during the first semester and 10 hours per week during the second semester for 8 weeks). Drs. Newhall, Brown, and Stultz.

II. Histology, Embryology and Neuro-anatomy

The subject matter is organized and presented in the following parts and sequence: Histology, Embryology, Neuro-anatomy. Work is carried on by means of lectures, discussions, demonstrations, and laboratory exercises, and continues throughout the first year. Among the topics considered are: technic, microscopic structure of normal human cells, tissues and organs,

*Absent on leave.
maturation, fertilization, cleavage, implantation, the development of body form, tissues, and organs, and the development and structure of the nervous system. An effort is made throughout to include practical applications and correlations.

The facilities of the laboratory are available to a limited number of qualified persons for research in these subjects.

214 hours (Histology, 112 hours; Embryology, 32 hours; Neuroanatomy, 70 hours). Professor Jordan, Dr. Dunihue.

SECOND YEAR:

I. Anatomy

Inasmuch as all the advanced work offered by the Department is given in the first year, the aim of this course is to review the subject matter thoroughly so that each student will strengthen his grasp of the essentials necessary for applying his knowledge of anatomy, always striving to keep in mind the fact that a knowledge of structure is of little use except as it contributes to an understanding of function and the ability to restore abnormal function again to normal. Emphasis is placed upon the correlation of gross anatomy with microscopic and developmental anatomy.

32 hours (one hour per week during the first and second semesters). Drs. Brown and Newhall.

THIRD YEAR:

I. Surgical Anatomy

The course in Surgical Anatomy is conducted by the Department of Surgery.

THE DEPARTMENT OF MEDICINE

CLARENCE HENRY BEECHER, M.D., Professor of Medicine
ELLSWORTH LYMAN AMIDON, B.S., M.D., Associate Professor of Medicine
PAUL KENDRICK FRENCH, Ph.B., M.D., Associate Professor of Clinical Medicine
THEODORE HENRY HARWOOD, A.B., M.D., Assistant Professor of Medicine
AYMER SETH COLUMBUS HILL, M.D., Assistant Professor of Clinical Medicine
WILHELM RAAB, M.D., Assistant Professor of Clinical Medicine
EDWARD JAMES ROGERS, M.D., Assistant Professor of Clinical Medicine
HIRAM EUGENE UPTON, B.S., M.D., Assistant Professor of Clinical Medicine
FOSTER LANE VIBBER, M.D., Assistant Professor of Clinical Neurology
JAMES NORMAN PETERSEN, B.S., M.D., C.M., Visiting Professor of Neurology
SECOND YEAR:  

I. Physical Diagnosis

One hour a week throughout the year is given to instruction in the methods of physical examination. This is followed by a two-hour session during which time the class is divided into small sections and assigned to members of the staff for demonstrations and practice in the technics outlined didactically.

II. History Taking and Elementary Clinics

Later in the year, and as a continuation of the above work, the class is further introduced to methods and findings in physical diagnosis through attendance at elementary clinics. In these clinics selected cases are demonstrated to small sections with the intention of emphasizing points of distinction between normal and abnormal findings. Principles of history taking are made an integral part of this work. A total of 96 hours for Courses I and II. Drs. Beecher, Amidon, Harwood, and Davis.

* Absent on leave.
III. Pathological Physiology Conference

A two-hour session each week during the second semester is devoted to a discussion and interpretation of the disturbed physiological and biochemical processes underlying disease. This is a correlation conference in which members of both clinical and preclinical departments take an active part. Selected cases are presented for study and discussion. 64 hours. The Staff.

THIRD YEAR:

I. General Medicine

Two hours weekly throughout the year are assigned to a textbook survey of general medicine. Emphasis is placed on the more common disease conditions, full attention being given to their etiology, symptomatology, physical and laboratory findings. Collateral reading in current literature is required. 64 hours. Drs. Beecher, Amidon, Raab, and Harwood.

II. Clinical Lectures in Medicine

In addition to a textbook survey of medicine, one hour weekly is given to clinical lectures on selected problems in internal medicine at which time certain cases are presented for the demonstration of illustrative disease syndromes. The recognition and significance of such findings form the basis for the discussion. 32 hours. Dr. Beecher and Staff.

III. Therapeutics

The class spends one hour weekly throughout the year in studying clinical and didactic problems in therapeutics. The work is designed and carried out with the purpose of familiarizing the student with the practical treatment of disease. Special attention is given to the treatment of the individual as an individual rather than to regimens of therapy. 32 hours. Dr. French.

IV. Neurology

The course is begun with a short review of the anatomy and physiology of the nervous system. The subject is then developed into clinical neurology by means of didactic and clinical lectures. Special attention is given to methods of discovery and the interpretation of physical findings. One hour weekly throughout the year. 32 hours. Dr. Upton.

V. Medical Jurisprudence

Lectures are given on the 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, and judicial toxicological investigations. 16 hours. Judge Grout.
VI. Clinico-Pathological Conferences

These conferences, held two hours weekly throughout the year, are within the scope of the Pathological Physiology Conferences begun in the second year. In this particular phase of the work, more emphasis is placed on clinical findings. However, preclinical fundamentals are again reviewed and special attention is given to their practical applications. 64 hours. The Staff.

VII. Physical Diagnosis (Ward Work)

Small sections are assigned to the hospital wards and the Dispensary for the afternoon periods four days each week for practical work in history taking, physical examinations, and laboratory diagnosis. Suitable subjects are selected without distinguishing between medical and surgical cases. This prevents to some extent the prejudging of the diagnosis of the case as either medical or surgical and serves to bring out the fact that many medical cases have surgical aspects and that surgical problems likewise present difficulties from a medical point of view. While the assignments are made in small sections, the individual student carries on his own work and is expected to do his clerkship in much the same manner as the fourth-year student, the only difference being that cases for the third-year men are selected and graded to the scholastic experience of third-year students. Approximately 336 hours. The Staff.

FOURTH YEAR:

I. Clinical Clerkships

The work of this year is done in small sections at the several teaching hospitals where the students serve as clinical clerks. Patients are assigned for history taking, physical examination, and the necessary laboratory work. Demonstrations, conferences, and ward rounds are made by the Staff.

The sections in rotation are at the Mary Fletcher, Fanny Allen, Bishop DeGoesbriand, and Fort Ethan Allen Hospitals, and at the Dispensary. Each student spends one week in residence at the Vermont Sanatorium for tuberculosis in Pittsford.

The section on City Service (domiciliary medicine) is also on service at the Dispensary during the clinic hours, and is quartered in the building. Students on this service make house calls under the supervision of the Director of the Free Dispensary. This is a general, twenty-four hour service, and is of two weeks’ duration.

The medical staff supervises the sections in the various hospitals.

Supplementary work in clinical neurology is added while sections are on service at the Worcester City Hospital. The work includes ward rounds, conferences, and clinical clerkships on both inpatient and outpatient services. Approximately one third of the month in Worcester is devoted to this service. Dr. Vibber.
THIRD YEAR:

Lectures and demonstrations are given covering etiology, diagnosis, and therapy of the more common skin diseases. Use is made of the projectoscope and lantern slide illustrations. 12 hours. Dr. Traub.

Clinics are held at which students are assigned to patients in rotation for practice in history taking and method of procedure in examining patients. Emphasis is placed on the importance of being able to describe the manifestations of skin diseases in terms of the primary and secondary lesions of the skin. Each student demonstrates his case before the clinic where possibilities regarding diagnosis are discussed. An outline of proposed therapy completes the presentation. 30 hours. Dr. Traub.

FOURTH YEAR:

Students attend the dermatology clinics at the Mary Fletcher Hospital and are assigned in rotation to attend the dermatology clinics at the Burlington Free Dispensary, held each Wednesday afternoon. Dr. Traub.

Additional clinical work in dermatology is available at the Worcester City Hospital in both the outpatient and inpatient departments. Dr. Disbrow.

THE DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

HERBERT ASHLEY DURFEE, A.B., M.D., Professor of Obstetrics
OLIVER NEWELL EASTMAN, M.D., Professor of Gynecology
EDWARD DOUGLAS MCSWEENY, A.B., M.D., Assistant Professor of Gynecology
DAVID WILLIAM JAMES, B.S., M.D., Assistant Professor of Obstetrics and Gynecology
ARTHUR FORD GEDDES EDGELOW, A.B., M.D., Assistant Professor of Clinical Obstetrics
PAUL MILLNER ASHTON, A.B., M.A., M.D., Instructor of Clinical Obstetrics
AZEL PACKARD BARNEY, A.B., M.D., Instructor in Clinical Obstetrics
ALFRED MYRON Glickman, M.D., Instructor in Clinical Obstetrics
ROBERT EDWARD LEE LORING, M.D., Instructor in Clinical Obstetrics
*JESSE ALBERT RUST, JR., M.D., Instructor in Clinical Obstetrics
STANLEY STEVEN STUSICK, M.D., Instructor in Clinical Obstetrics

SECOND YEAR:

1. Introduction to Obstetrics

The course includes a discussion of the anatomy of the female pelvis and reproductive organs. This is followed by a consideration of the course

* Absent on leave.
and mechanism of labor together with an introduction to the management of normal labor, normal puerperium and lactation. 32 hours. Dr. Durfee.

THIRD YEAR:

I. Principles of Obstetrics

The course begins with a discussion of the physiology of reproduction and associated endocrinology. This is followed by a study of the management of normal and abnormal pregnancies including toxemias. Further studies in abnormal labor include a consideration of operative obstetrics. Gross and microscopic pathology are presented through the cooperation of the Department of Pathology. Demonstrations are given of normal and abnormal labors on the manikin and by motion pictures. 128 hours. Drs. Durfee and James.

Demonstration ward rounds, in sections. 24 hours. Dr. James.

II. Principles of Gynecology

Gynecological diseases are considered systematically, with special attention given to the more common disorders. In discussing treatment, the principal emphasis is placed on fundamentals and less stress is laid on operative technic. 56 hours. Dr. McSweeney.

During the second semester eight clinical lectures are given the class in the amphitheatre at the Mary Fletcher Hospital. Each student is furnished with a copy of the patient’s record. The patient’s history, physical findings, diagnosis and treatment are discussed. Students are allowed to participate in the examinations as far as it is practicable to do so. 8 hours. Drs. Eastman and James.

FOURTH YEAR:

I. Clinical Obstetrics

Students are assigned to section work for periods of one month. During term of assignment, students attend prenatal and postnatal clinics at the Burlington Free Dispensary and the Elizabeth Lund Home. Labors are attended at the Mary Fletcher Hospital, the Elizabeth Lund Home, and in the Outpatient Department. In each instance, patients are assigned to individual students who, under the supervision of a clinical instructor, act as labor clerks, taking histories, making general physical and obstetrical examination and keeping detailed records. The labor clerk observes or assists at the actual deliveries.

Additional experience in clinical obstetrics is provided by affiliation with the Wesson Maternity Hospital in Springfield, Massachusetts. Students are assigned for work there in sections of three for periods of one month. In each instance, the students are responsible to the Professor
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of Obstetrics, as well as to the administration and staff of each institution they serve.

II. Clinical Gynecology

Students on the Burlington obstetrical assignment also serve as clinical clerks in gynecology on the gynecological service at the Mary Fletcher Hospital and at the gynecological clinic at the Burlington Free Dispensary. The plan is very much like that of other clinical clerkships in the fourth or senior year in that they are expected to work up their cases and follow them closely throughout the time spent under treatment or in the hospital. The plan for instruction further includes service ward rounds, assistance at operations in the hospital and assistance at diagnostic procedures in the hospital and at the clinic. Ample time and opportunity are allowed for close personal instruction in all instances. Drs. Eastman, Durfee, McSweeney and James.

THE DEPARTMENT OF OPHTHALMOLOGY, OTOLARYNGOLOGY AND RHINOLOGY

EMMUS GEORGE TWITCHELL, A.B., M.D., Professor of Ophthalmology, Otolaryngology, and Rhinology
KARL CORNELIUS McMAHON, B.S., M.D., Assistant Professor of Ophthalmology and Clinical Instructor in Otolaryngology and Rhinology
ARTHUR LEO LARNER, M.D., Assistant Professor of Otolaryngology and Rhinology and Clinical Instructor in Ophthalmology
PETER PAUL LAWLOR, M.D., Assistant Professor of Otolaryngology and Rhinology and Clinical Instructor in Ophthalmology

THIRD YEAR:

The course includes discussion of the diseases of the lids, conjunctiva, orbit, lacrimal apparatus, cornea, uveal tract and fundus.

Lectures and practical demonstrations of the use of the ophthalmoscope, headmirror, and other instruments used in the examination of ear, nose, and throat, and methods used in estimating the refraction, are given at the Mary Fletcher Hospital to half the class at a time. In this work the students are drilled in the various tests of routine examinations, every effort being made to demonstrate methods which, though simple, are adequate and call for the minimum outlay for equipment. Lectures and recitations on the common diseases of the nose, throat, and ear are included.

Lectures and recitations. 32 hours. Dr. Twitchell.
FOURTH YEAR:

Clinical instruction is given Tuesday and Friday afternoons of each week from two to four o'clock at the Mary Fletcher Hospital outpatient clinic. Inpatient cases are also used for teaching. Treatments and methods of treatment are shown and explained. Dr. Twitchell, and Drs. McMahon or Larner.

Clinical instruction is also given Monday and Wednesday afternoons of each week from three to five-thirty o'clock at the Bishop DeGoesbriand Hospital outpatient clinics. Dr. Lawlor.

Sections assigned to the Fanny Allen and Fort Ethan Allen Hospitals participate in clinical work in this specialty.

Clinical instruction at the Burlington Free Dispensary is scheduled for Thursday afternoon of each week. Refraction clinics are held there every Wednesday morning. Drs. McMahon, Larner and Lawlor.

Each student of the fourth year will be required to hand in a certain number of case reports and two theses, one on a subject concerned with Ophthalmology and one with Otolaryngology. The subject is to be chosen by the student with the approval of the teaching staff of this Department.

THE DEPARTMENT OF PATHOLOGY AND BACTERIOLOGY

Ernest Hiram Buttr[les, A.B., M.D., Professor of Pathology and Bacteriology
Paul William Butterfield, A.B., M.D., Assistant Professor of Pathology
John Archibald Ferguson, M.S., M.D., Assistant Professor of Pathology
Milford Leroy Hobbs, M.D., Assistant Professor of Pathology
Wendell Everett James, A.B., M.S., M.D., Assistant Professor of Clinical Pathology and Bacteriology
Laurence Lamson Robbins, B.S., M.D., Instructor in Pathology
Platt Rugar Powell, B.S., M.D., Fellow in Pathology
Roger Wendell Mann, A.B., M.D., Assistant in Pathology

SECOND YEAR:

1. Pathology

This course covers general pathology and special pathology of the circulatory and urinary systems and of the blood. Students are furnished with a loan collection of slides illustrative of common lesions, and these slides are supplemented by a large number of slides from autopsies or operations, for study and diagnosis. One of the chief aims of the course is to correlate the work of the preclinical and clinical years and for this purpose, during

* Absent on leave.
the latter part of the course, many case histories are used in conjunction with slides and gross tissues from the same cases.

During the second semester, two hours weekly are devoted to a conference conducted jointly by the Departments of Pathology, Physiology, and Medicine. At these conferences selected case histories are discussed and an attempt made to explain the symptoms on a basis of changes in anatomy, physiology, and chemistry.

Recitations and lectures, two hours per week. 64 hours.

Laboratory, five hours per week, first semester, and six hours per week during second semester. 176 hours. Drs. Buttrill, Butterfield, and Hobbs.

II. Bacteriology

The course includes a survey of general bacteriology, the means and methods used in bacteriology, a close study of problems of pathogenic bacteriology particularly as they pertain to the etiology, diagnosis, treatment, and prevention of infectious disease, and a study of the hypersensitivities in so far as they are concerned with the mechanisms of infection and immunity. Immunology is considered as integral to bacteriology and is not taught as a separate course.

Lectures and recitations, two hours per week first semester. Laboratory eight hours per week, first semester. 152 hours. Dr. James.

III. Clinical Pathology.

This course covers the usual methods of laboratory examinations as well as the interpretation of results. It embraces microscopic and chemical studies of blood, urine, spinal fluid, exudates and transudates, feces, and gastric contents.

Recitations and lectures, one hour per week, second semester. 16 hours.

Laboratory, six hours per week, second semester. 96 hours. Drs. Ferguson and James.

THIRD YEAR:

I. Pathology

This is a continuation of the course of the second year and covers special pathology. Students are supplied with a loan collection of typical slides and study many slides from operations or autopsies. Special emphasis is placed upon gross pathology as illustrated by museum preparations and material from autopsies and operating room.

Recitations, lectures and laboratory, four hours per week the first semester. 64 hours. Drs. Ferguson and Butterfield.

II. Clinical Conferences

Two hours per week throughout the year, in conjunction with the Department of Medicine.
FOURTH YEAR:

I. Autopsies

Students are required to attend autopsies as available and to take notes, describe gross and microscopic findings and report conclusions upon assigned cases.

THE DEPARTMENT OF PEDIATRICS

Paul Dennison Clark, M.D., Assistant Professor of Pediatrics
Roy Edward Corley, A.B., M.D., Assistant Professor of Pediatrics
William Bradford Adams, M.D., Assistant Professor of Clinical Pediatrics
Gardner Nathan Cobb, A.B., M.D., Assistant Professor of Clinical Pediatrics

Stuart Starnes Corbin, B.S., M.D., Instructor in Pediatrics
Thomas Patrick Cunningham, M.D., Instructor in Clinical Pediatrics
Nelson Newmark, M.D., Instructor in Clinical Pediatrics
Alfred Smith O'Connor, M.D., Instructor in Clinical Pediatrics
Norman Anthony Pokorny, M.D., Instructor in Clinical Pediatrics
Dorothy Black Corbin, B.S., M.D., Assistant in Pediatrics

THIRD YEAR:

I. Principles of Pediatrics

One hour a week throughout the year is given to a didactic discussion of the principles of pediatrics. In this discussion are included problems of normal growth and development, infant feeding, and the diseases common to childhood. Special attention is given to measures useful in the prevention and control of communicable disease. 32 hours. Drs. Clark, Corley, and S. S. Corbin.

II. Introduction to Clinical Pediatrics

As a part of the plan for introducing third-year students to their clinical clerkships, one month is assigned to ward work in pediatrics. Instruction is carried out both individually and as a group, the section never numbering more than four. Here the students are given an introduction to the problems of history taking in pediatrics and the development of such information to its full significance. As a part of this program, special attention is also given to methods of physical examination and the interpretation of physical findings in pediatrics. Indications for, and the use of laboratory procedures important to individual cases are given full consideration. Adequate explanation of therapeutic measures indicated is included. 48 hours. Dr. Dorothy Corbin.
III. Neuropsychiatry of Childhood

(This course is outlined under the Department of Psychiatry.)

FOURTH YEAR:

I. Clinical Pediatrics

Sections of four students each are assigned in rotation for a month as clinical clerks on the pediatrics services of the teaching hospitals in Burlington. Drs. Clark, Corley, and S. S. Corbin.

As a part of their assignment at the Wesson Maternity Hospital students in attendance there are given further instruction in the care of premature and newborn infants. This work is under the direction of the attending staff in pediatrics and is now extended to include attendance at well-baby clinics held under the direction of Wesson Maternity Hospital staff men. Drs. Adams, Newmark, and Pokorny.

Additional facilities for clinical pediatrics are available in the month's service at the Worcester City Hospital. Drs. Cobb, Cunningham, and O'Connor.

THE DEPARTMENT OF PHYSIOLOGICAL CHEMISTRY AND PHARMACOLOGY

DAVID MARVIN, M.D., Professor Emeritus of Pharmacology
HAROLD BARNARD PIERCE, M.S., PH.D., Professor of Physiological Chemistry
CHARLES FLAGG WHITNEY, M.S., M.D., Professor of Physiological Chemistry and Toxicology
CLIFFORD SHATUCK LEONARD, M.S., PH.D., Assistant Professor of Pharmacology
JOHN EMERSON DAVIS, A.B., M.S., PH.D., Assistant Professor of Pharmacology
PAUL FREDERICK FENTON, B.S., M.S., Instructor in Physiological Chemistry
FRANK ALPHONSE SLESINSKI, B.S., M.S., Instructor in Physiological Chemistry
JOHN PHILIP CRISPPELL, B.S., Fellow in Physiological Chemistry

FIRST YEAR:

I. Physiological Chemistry

The course is designed to afford the students an insight into chemical transformations which take place in the living animal body, with special reference to man. The work is largely quantitative and deals with carbohydrates, fats, proteins, enzymes, digestion, absorption, blood and urine. The chemistry of the vitamins and hormones is discussed briefly to prepare for the more extended study in the second year of Physiology.
Lectures, recitations and laboratory. 176 hours. Dr. Pierce and Assistants.

SECOND YEAR:

I. Pharmacology

The major purpose of the instruction is to prepare the student for the clinical study of therapeutics by providing him with knowledge of the manner in which drugs modify functional activity in the organism. After a brief survey of the chemical properties of drugs, incompatibilities, toxicological analysis, antidotes, and standardization by bioassay, the chief work of the course will be concerned with experimental pharmacodynamics. Lectures and recitations on pharmacological and toxicological properties of drugs will be closely correlated with laboratory work. Available preparation forms and posology of drugs will be studied as the various types of medicinal agents are considered. Prescription writing exercises will be given and various types of official preparations compounded in the laboratory.

Lectures, recitations and laboratory. 136 hours. Drs. Leonard and Davis.

II. Toxicology

The course consists of discussions and recitations and is integrated with Pharmacology. The time is divided about equally between General Toxicology and Special Toxicology in which each important poison is studied with reference to its origin, effect on the body, and treatment of such poisonings. Dr. Whitney.

The laboratory facilities of the Department are available to qualified persons for research in Physiological Chemistry and Pharmacology.

THE DEPARTMENT OF PHYSIOLOGY

FRED KINNEY JACKSON, A.B., M.D., Professor of Physiology
RAY GILBERT DAGGS, B.S., PH.D., Associate Professor of Physiology
FERDINAND JACOB MORRIS SICHEL, M.S., PH.D., Assistant Professor of Physiology

The course in Physiology covers a full academic year. The first half of the course is given in the second semester of the first year and the second half of the course in the first semester of the second year.

The course material is presented as a logical development of fundamental physiological concepts based on experimental evidence with a view to their ultimate clinical applications. The lectures are designed primarily to supplement the textbooks, particularly in respect to recent developments.
The laboratory has been redesigned and equipped for experimental work illustrating and developing those physiological principles fundamental to clinical medicine.

Facilities for research are available to properly qualified students to pursue investigations either independently or in cooperation with the members of the staff.

A bi-weekly seminar for the discussion of recent experimental work and viewpoints in the various medical sciences is sponsored by the Department in conjunction with other departments.

**FIRST YEAR:**

The material covered in the first year includes the physiology, with its physical and physical-chemical basis, of excitation, conduction, and contraction; blood, heart and circulation; respiration; the central nervous system; and the special senses.

Lectures and conferences, 64 hours, laboratory, 96 hours, second semester. *Drs. Jackson, Daggs, and Sichel.*

**SECOND YEAR:**

The material covered in the second year includes the physiology of secretion, digestion, excretion, nutrition, energy metabolism, internal secretions, and reproduction. Considerable time is spent on endocrinology.

Lectures and conferences, 48 hours, laboratory, 48 hours, first semester. *Drs. Daggs and Sichel.*

**THE DEPARTMENT OF PREVENTIVE MEDICINE AND PUBLIC HEALTH**

**Hardy Alfred Kemp, b.s., M.D., Professor of Preventive Medicine**

**Charles Francis Dalton, M.D., Professor of Public Health**

**Charles Perkins Moat, b.s., Assistant Professor of Public Health**

**Louis Benson, M.D., Assistant Professor of Preventive Medicine**

**Henry Maurice Farmer, b.s., M.D., Instructor in Preventive Medicine and Public Health**

**Erald Fairbanks Foster, M.D., Instructor in Public Health**

**Clarence Jess Speas, D.D.S., Instructor in Oral Hygiene and Dental Medicine**

**David Manson, D.D.S., Special Lecturer in Oral Hygiene and Dental Medicine**

**SECOND YEAR:**

I. *Introduction to Public Health*

   Lectures, demonstrations, and field trips.
The course includes studies in sanitation, ventilation, water purification, sewage disposal, milk supply, administration and functions of health agencies, both public and volunteer, and their proper relation to public health. 32 hours. Dr. Dalton, Assistant Professor Moat, and Dr. Foster.

II. Oral Hygiene and Dental Medicine

The course includes a review of the fundamentals of dental embryology and histology and a correlation of oral developmental anatomy with general developmental anatomy. The fundamentals of dental terminology are reviewed to afford the medical student an opportunity to become freely conversant in dental problems discussed with the dentist and dental interne with whom he will ultimately come in contact.

Lectures making use of lantern slides, models, charts, and moving pictures follow this introduction and include the discussion of dental problems associated with prenatal care, pediatrics (including the dental problems of the adolescent), and the dental and medico-dental problems of adulthood. As a prerequisite to a better understanding of the clinical demonstration of dental cases in the senior year, the diagnosis and treatment of oral pathology and the dental care of hospital patients is covered in the course of lectures. 8 hours. Dr. Speas.

THIRD YEAR:

I. Preventive Medicine

The course is based on a study of the principles of preventive medicine as applied both to private practice and public health. The didactic work includes demonstrations of means and methods employed in the prevention of infectious disease, in the recognition and prevention of functional disorders, and the preventive methods now employed in industrial hygiene. 32 hours. Drs. Kemp and Benson.

FOURTH YEAR:

I. Section Work

Inasmuch as the City Dispensary houses a number of health agencies, arrangements for work are such that sections on service there are in close contact with public and volunteer agencies engaged in health and welfare activities. Students on city service are necessarily dependent upon a close liaison with the Howard Relief, the Visiting Nurses Association, the Vermont Crippled Children’s organization, the bureaus for maternal welfare and child hygiene, the Vermont Tuberculosis Association, the state program for the control of venereal disease, and the functions of the State Health Department. The Staff.

Students on pediatrics assignment in Burlington are assigned to oral hygiene clinics at the Burlington Dental Dispensary. The clinics are under
the direction of the State's Oral Hygienist and are designed for the study of problems in oral disease both from a preventive and a therapeutic standpoint. Since the majority of patients seen in these clinics are referred through agencies engaged in child health, the students in many instances are able to follow their patients not only through the medical services but through the dental clinic as well. Dr. Speas.

THE DEPARTMENT OF PSYCHIATRY

JAMES CHARLES O'NEIL, B.S., M.D., Professor of Psychiatry
WILLIAM BOYD CURTIS, A.B., M.D., Instructor in Psychiatry
FREDERICK CHARLES THORNE, A.B., M.A., PH.D., M.D., Instructor in Psychiatry

SECOND YEAR:

I. Medical Psychology

This is an introductory course in Psychobiology, Mental Hygiene and Psychopathology. It includes a description of the psychobiological origins of the various personality reactions, together with the pathological mental mechanisms underlying the development of mental disorders. The lectures on mental hygiene outline the factors involved in the preservation of mental health. 32 hours. Dr. Thorne.

THIRD YEAR:

I. Principles of Psychiatry

The didactic lectures making up this course include discussions of descriptive psychology, the incidence and causes, symptomatology and classification, the diagnosis and treatment of mental diseases. Methods of examination and history taking are emphasized. Special attention is given to the subject of commitment of the insane. 20 hours. Dr. O'Neil.

Clinical lectures illustrative of problems under didactic discussion are offered in Waterbury at the State Hospital for mental disease. Approximately 12 hours. Dr. O'Neil and Staff.

II. Neuropsychiatry of Childhood

Lectures and discussions are offered on the recognition, etiology, prevention, and treatment of the various behavior and personality disturbances encountered in childhood and adolescence. Neurogenic, psychogenic, and psychosomatic factors are considered in an attempt to give the student a working concept of the totally functioning child. 16 hours. Dr. Curtis.
FOURTH YEAR:


Each student spends a week in residence at the State Hospital for mental disease. This assignment includes ward rounds, history taking, observation and assistance in therapeutic measures used, and attendance at staff meetings and conferences. Dr. O'Neil and Staff.

Ward rounds and visits to the outpatient clinic in psychiatry are included in connection with the work in neurology at the Worcester City Hospital. On this particular service the student is given an introduction to certain phases of psychiatry not presented by the institutionalized patient. Dr. Vibber.

II. Mental Hygiene Clinics

Students on the Burlington pediatrics service are assigned in small groups to observe diagnostic and therapeutic procedures carried out at the Vermont Mental Hygiene Clinic for children in Burlington. Individual assignments are included and the student is expected to take histories and under supervision make examinations of patients seen at these clinics. Later the results of these findings are presented to the section for discussion. 20 hours. Drs. Curtis and Thorne.

THE DEPARTMENT OF RADIOLOGY AND PHYSICAL THERAPY

Arthur Bradley Soule, Jr., A.B., M.D., Professor of Radiology
Nathan Renwick Caldwell, M.D., Instructor in Clinical Radiology
Oscar Sylvander Peterson, Jr., M.D., Assistant in Physical Therapy

FIRST YEAR:

1. Introduction to Radiology

Lectures and demonstrations in conjunction with Departments of Physiology and Anatomy. Physics and general principles of radiology; normal roentgen anatomy and physiology; fluoroscopic demonstrations of chest. 8 hours. Dr. Soule.

SECOND YEAR:

1. Radiology

Continuation of fluoroscopic and roentgenographic demonstrations in conjunction with Departments of Physiology and Anatomy.

Roentgen diagnosis of bone tumors and of diseases of the chest; effects of radiation on normal and abnormal tissues; introduction to radiotherapy. 8 hours. Dr. Soule.
THIRD YEAR:

I. Radiology
Diagnostic and therapeutic radiology; lectures and demonstrations covering the diagnosis of abnormalities of the skeletal system, alimentary tract, urinary tract, central system; considerations of the use of x-ray and radium in the treatment of neoplasms, endocrine disturbances, and inflammatory lesions. 16 hours. Dr. Soule.

II. Physical Therapy
Lectures on the physics and general principles of physical therapy, including dry and moist heat, massage and manipulation, ultra-violet and infra-red rays. Indications and contra-indications and methods of applications of each. 12 hours. Dr. Peterson.

FOURTH YEAR:

I. Radiology Conferences
Weekly conferences on general radiological problems, and current literature. Members of other clinical departments are present at most of these sessions. Each student is required to prepare a paper on some phase of radiology for presentation before the group at some time during the year. 24 hours. Dr. Soule.

II. Physical Therapy Clinics
Three days a week at the Burlington Free Dispensary. Section demonstrations and discussions of physical therapy at hospitals, dispensary and other institutions. Dr. Peterson.

THE DEPARTMENT OF SURGERY

John Brooks Wheeler, A.B., D.S.C., M.D., Professor Emeritus of Surgery
Lyman Allen, A.B., M.D., Professor of Surgery
George Millar Sabin, B.S., M.D., Professor of Clinical Surgery
Albert George Mackay, B.S., M.D., Associate Professor of Surgery
Bird Joseph Arthur Bombard, M.D., Associate Professor of Clinical Surgery
Benjamin Dyer Adams, M.D., Assistant Professor of Surgery
Walford Tupper Rees, M.D., Assistant Professor of Surgery
Keith Frank Truax, B.S., M.D., Assistant Professor of Surgery
Ralph Leslie Cudlipp, M.D., Lt. Colonel, Medical Corps, U. S. A., Assistant Professor of Clinical Surgery
Arthur Rush Hogan, A.B., M.D., Assistant Professor of Clinical Surgery
Adolphus Duncan Rood, M.D., Visiting Professor of Bronchoscopy
John Abajian, Jr., M.D., Instructor in Anesthesia
LOUIS GEORGE THABAUlt, M.D., Instructor in Surgery
ALBERT JAMES CRANDALL, B.S., M.D., Instructor in Clinical Surgery
ARTHUR GLADSTONE, B.S., M.D., Instructor in Clinical Surgery
JOHN FREDERICK LYNCH, M.D., Instructor in Clinical Surgery
CLARENCE EDWARD BOMBARD, B.S., M.D., Assistant in Surgery

DIVISION OF ORTHOPEDIC SURGERY
FRANK ROBERTS OBER, M.D., Visiting Professor of Orthopedic Surgery
MAURICE NORBERT BELLEROSE, B.S., M.D., Assistant Professor of Orthopedic Surgery
ROBERT LELAND MAYNARD, M.D., Assistant Professor of Orthopedic Surgery

DIVISION OF UROLOGY
WILLIAM GRAVES TOWNSEND, B.S., M.D., Professor of Urology
WINTHROP MAILLOT FLAGG, M.D., Assistant Professor of Urology
WALTER DANIELS BIEBERBACH, M.D., Assistant Professor of Clinical Urology
LESTER MAHAN FELTON, B.S., M.D., Instructor in Clinical Urology
SANFREY MATHEW LILYESTROM, M.D., Instructor in Clinical Urology
OLNEY DRAPER PHELPS, M.D., Instructor in Clinical Urology
NICHOLAS SALVATORE SCARCELLO, M.D., Instructor in Clinical Urology
GEORGE CHANDLER TULLY, B.S., M.D., Instructor in Clinical Urology

SECOND YEAR:
I. Recitations
A textbook, recitation, and quiz course with informal discussions or lectures. An effort is made to make clear the connection between surgery and the preclinical subjects of Anatomy (including Histology), Physiology, Bacteriology, and Pathology. Diagnosis is especially stressed.
The topics covered are: inflammation and repair, burns, wounds, infections and injuries to or diseases of the tendons, muscles and ligaments, bursae, vascular and lymphatic systems, osteomyelitis, and amputations; also aseptic surgical technic and minor surgical procedures. 64 hours. Drs. Tmaux and Thabault.

II. Practical Surgery
Bandaging, use of splints and other surgical appliances, work with plaster of Paris. The student applies the bandages to all parts of the body and his work is criticized by the instructor. Taught in small sections. 10 hours per section. Dr. Lynch.
THIRD YEAR:

I. General and Regional Surgery

The course is covered largely by case histories, with prerequisite reading of textbooks or medical journals on the subject under discussion. Differential diagnosis is emphasized and operative technic minimized. 64 hours. Drs. Allen, Mackay, and Rees.

II. Fractures and Dislocations

Besides a routine covering of the ordinary fractures and dislocations, with the necessary diagnostic steps, including x-ray, and the various procedures for their proper reduction, there is a demonstration of apparatus and its application. The occasional advisability of open reduction and internal fixation is made clear, with its dangers and advantages. The necessity of temporary splinting before transportation is insisted upon. Whenever possible, the cases in the wards are used to demonstrate the actual fracture and its treatment. X-ray films are used extensively. 32 hours. Dr. Maynard.

III. Surgical Anatomy

This course is, to some extent, a review of the students’ previous anatomical studies, with the special object of showing anatomical relationships in the more usual surgical operations such as those for hernia, appendicitis, cholecystitis, thyroidectomy, infected hands, and so forth. 16 hours. Dr. Mackay.

IV. Anesthesiology

The object of this course is to give the student a theoretical knowledge of the subject before he gives anesthetics (under supervision) during his fourth year. 16 hours. Dr. Abajian.

V. Clinico-Pathological Conferences

These conferences are supervised by various members of the Medical, Surgical, and Pathological Departments, and are included in the text of the Department of Medicine. 64 hours.

VI. Rectal Diseases

A clinical demonstration and discussion of diseases of the anus, rectum, and colon, is held at the Mary Fletcher Hospital on those Friday afternoons during the year when the special lecturers in Orthopedics and Dermatology are not teaching. 16 hours. Drs. Adams and Gladstone.

FOURTH YEAR:

I. Clinical Clerkships

The class is divided into sections which, under the supervision of the surgical teachers, act as clinical clerks and assistants in the Mary Fletcher,
Bishop DeGoesbriand, Fanny Allen, and Fort Ethan Allen Hospitals, and in the Dispensary or on City Service, rotating in their appointments. The class as a whole, unless unavoidably prevented, meets once a week for a surgical clinic, paper clinic, or discussion, with Dr. Allen. Sections in minor surgery and diagnosis are assigned at the Dispensary, two hours a day, six days a week. 320 hours. Dr. Allen and Staff.

II. Clinical Anesthesiology

The fourth year students in rotation are given practical instruction in anesthesia at the Mary Fletcher Hospital under the direct supervision of the Instructor in Anesthesia.

ORTHOPEDIC SURGERY

THIRD YEAR:

This course is under the direction of Drs. Ober, Maynard, and Bellerose. Dr. Ober holds six clinics during the year at the Mary Fletcher Hospital. To these clinics are brought a number of cases from the Crippled Children's Division and a certain number from private sources. The clinic is both diagnostic and operative. Drs. Ober, Maynard, and Bellerose.

FOURTH YEAR:

The surgical section on Monday and Friday mornings is primarily engaged with work in orthopedics. Drs. Maynard and Bellerose.

UROLOGY

THIRD YEAR:

One hour weekly during the second semester is given to a discussion of the diseases of the genito-urinary system. 16 hours. Dr. Flagg.

FOURTH YEAR:

1. Urology and Venereal Diseases

Sections of four students each spend a month in Worcester, Massachusetts, where each day is given to clinical clerkships in the Department of Urology at the Worcester City Hospital. The work is divided equally between inpatient and outpatient services. The outpatient service includes attendance at the City Clinic for Venereal Diseases. Drs. Bieberbach, Felton, Lilyestrom, Phelps, Scarcella, and Tully.

Work in Burlington includes one morning clinic weekly in urology at the Mary Fletcher Hospital, and two afternoon clinics weekly in venereal diseases. Drs. Townsend and Flagg.
MEDICAL RELATIONSHIPS

A course in medical relationships is offered as an introduction to the senior year. It includes lectures on medical history, ethics, economics, trends in medical practice, social service, and internships. 8 hours. Drs. Allen, Beecher, and Brown.

MEDICO-MILITARY SCIENCE

MEDICAL UNIT—RESERVE OFFICERS TRAINING CORPS

HARRY GEORGE WYER, M.D., Major, U. S. A., Ret., Professor of Medico-Military Science.

A course in Medico-Military Science is available to all medical students who enroll in the Medical Unit of the Reserve Officers Training Corps. This unit has been established by the War Department on application of the University authorities and is open to male medical students who have no disqualifying physical defects. The object of the course is to prepare students who may so elect, for commission in the Medical Reserve Corps on graduation.

Instruction in this subject is divided into two (2) courses: Basic and Advanced. Each course consists of two (2) years with approximately 31 hours of class work per year. Enrollment in either course is for the full two years.

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

Only those students who have successfully completed the Basic course are eligible for the Advanced course. Students accepted for the Advanced course must attend the summer camp of six weeks' duration, held at the Medical Field Service School, Carlisle Barracks, Pennsylvania. This camp should be attended during the Sophomore-Junior vacation.

Certain financial benefits accrue to members of the Advanced course. For the summer camp they are paid mileage to and from the camp, $21.00 per month while at camp, plus board, clothing, quarters, and medical attention. In addition, they are paid commutation of 25 cents per day during the Junior and Senior years. Total payments amount to about $100.00 per year.
### SUMMARY OF STUDIES—1940-1941

#### CLASSROOM AND LABORATORY HOURS

<table>
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<tr>
<th>SUBJECT</th>
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<th>2ND YR. (1104)</th>
<th>3RD YR. (870)</th>
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<td>Eye, Ear, Nose and Throat</td>
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<tr>
<td>Neurology</td>
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<td>Neuropsychology of Childhood</td>
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<td>Urology</td>
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In addition to classroom and laboratory hours in the third year, twelve hours per week are devoted to ward work in physical diagnosis. On a thirty-two weeks' basis this amounts to 384 hours, making a total of 1,254 assigned hours for the third, or junior year.

The senior, or fourth year schedule calls for full time in clinical work. Obviously it is impossible to set a rigid hour limit on work done in this year. In round numbers, however, the time scheduled is forty hours per week for thirty-two weeks, a total of 1,280 hours. Of these eight months, three are spent on medicine and the medical specialties including pediatrics and psychiatry, three are spent on surgery and the surgical specialties, and two are spent on obstetrics including assignments in gynecology.
GRADUATES—DOCTORS OF MEDICINE
1940

Howard Huntington Allen, B.S.
Sidney Alpert, B.S., cum laude
Harry Joseph Antoniewicz, B.S.
Joseph Michael Baker, D.M.D.
Lewis Willard Barton, B.S.
Sanford Raphael Bloomenthal, B.S.
Joseph Thomas Bottamini, B.S., cum laude
John Harold Browe, A.B.
Burton Donald Bryan, A.B.
Roy Vedder Butlles, b.s.
Clarence Lucian Chester, B.S.
Paul Merrill Choate, B.S.
Howard Rawson Clement, B.S.
Raynald Thomas Cooney, B.S.
Kermit Stephen Dugan, B.S.
John Ralph Evans, B.S.
John Frederic Gowdey, B.S., cum laude
Harvey Furry Grazier, cum laude
Lois Miriam Hammond, B.S.
Max Harris, b.s.
Clarence Wayne Harwood
Jay Edgar Keller, cum laude
Roger Arthur Kenworthy, B.S.
Einar Albin Lundberg, B.S.
William Gordon MacDonald, B.S.
John Power Magner, b.s.
Philip Gardner Merriam
Richard Vaughan Newcombe, B.S.
Russel Smith Page, Jr., A.B.
Frances Ellen Rowe, B.S.
William Ireland Shea, A.B.
Howard Whitcomb Stanley, B.S.
Frederick Whiting Timmerman, B.S.
Ransom Edward Tucker, B.S.
William Vilardo, b.s.
Harold Eugene Williamson, B.S.

Greensboro
Lakewood, N.J.
Springfield
Brattleboro
Lexington, Mass.
Burlington
Brandon
Burlington
Montpelier
Burlington
Cabor
West Barnet
Newport
Burlington
Newport Center
South Orange, N.J.
Montpelier
Johnstown, Pa.
Burlington
St. Albans
Rupert
Burlington
Middlebury
Proctor
Wilmington
West Rutland
Maidstone
Burlington
Hyde Park
Fort Benning, Ga.
Burlington
Colchester
Morrisville
Warren
Garfield, N. J.
Bristol
HONORS IN MEDICINE—1940

CUM LAUDE

Sidney Alpert, B.s.
Joseph Thomas Bottamini, b.s.
Harvey Furry Grazier
John Frederic Gowdey, b.s.
Jay Edgar Keller

CARBEE PRIZE
For greatest proficiency in the subject of Obstetrics

John Power Magner, b.s.
Frederick Whiting Timmerman, b.s.

WOODBURY PRIZES IN MEDICINE
For greatest proficiency in Clinical Work in senior year

Lewis Willard Barton, b.s.

To sophomore having the highest standing for two years of Medical Work

Maurice Traunstein, Jr., b.s.
INTERNESHIP APPOINTMENTS
GRADUATES, ACADEMIC YEAR—1939-40

Howard Huntington Allen
Sidney Alpert
Harry Joseph Antoniewicz
Joseph Michael Baker
Lewis Willard Barton
Sanford Raphael Bloomenthal
Joseph Thomas Bottamini
John Harold Browe
Burton Donald Bryan
Roy Vedder Buttes
Clarence Lucian Chester
Paul Merrill Choate
Howard Rawson Clement
Raynald Thomas Cooney
Kermit Stephen Dugan
John Ralph Evans, Jr.
John Frederic Gowdey
Harvey Furry Grazier
Lois Miriam Hammond

Bridgeport Hospital, Bridgeport, Conn.
Atlantic City Hospital, Atlantic City, N. J.
St. Francis Hospital, Hartford, Conn.
Mercy Hospital, Springfield, Mass.
St. Francis Hospital, Hartford, Conn.
St. Francis Hospital, Trenton, N. J.
Mary Fletcher Hospital, Burlington, Vt.
Municipal Hospitals, Hartford, Conn.
United Hospital, Port Chester, N. Y.
Waterbury Hospital, Waterbury, Conn.
Burbank Hospital, Fitchburg, Mass.
Mary Fletcher Hospital, Burlington, Vt.
Waltham Hospital, Waltham, Mass.
St. Francis Hospital, Trenton, N. J.
Mary Fletcher Hospital, Burlington, Vt.
Newark City Hospital, Newark, N. J.
St. Joseph’s Hospital, Paterson, N. J.
Mercy Hospital, Springfield, Mass.
Hospital of the Woman’s Medical College, Philadelphia, Pa.
Bishop DeGoesbriand Hospital, Burlington, Vt.
Mary Fletcher Hospital, Burlington, Vt.
St. Michael’s Hospital, Newark, N. J.
St. John’s Hospital, Brooklyn, N. Y.
St. Francis Hospital, Hartford, Conn.
Lenox Hill Hospital, New York, N. Y.
Staten Island Hospital, Staten Island, N. Y.
New Britain General Hospital, New Britain, Conn.

Richard Vaughan Newcombe
Russel Smith Page, Jr.
Frances Ellen Rowe
William Ireland Shea
Howard Whitcomb Stanley
Frederick Whiting Timmerman
Ransom Edward Tucker
William Vilardo
Harold Eugene Williamson

United Hospital, Port Chester, N. Y.
Naval Hospital, Philadelphia, Pa.
General Hospital, Syracuse, N. Y.
St. Vincent’s Hospital, New York, N. Y.
Memorial Hospital, Worcester, Mass.
Walter Reed Hospital, Washington, D. C.
Stamford Hospital, Stamford, Conn.
St. Michael’s Hospital, Newark, N. J.
Memorial Hospital, Worcester, Mass.
FOURTH YEAR:

Class of 1941

Clifford Clark Agnew, B.S.
Joel Allen, A.B.
Ranwick Reece Caldwell, B.S.
Rocco Cassone, B.S.
Clifford Tremaine Conklin, Jr., B.S.
William Stephen Dempsey, A.B.
Gino Aldo Dente
Harry Cary Halsted, A.B.
Myron Norman King, B.S.
Joyce Walter Kingsley, Jr., B.S.
Joseph Oscar LaRiviere, B.S.
Harry Alton MacMillan, B.S.
Ploutis Demetrius Mamos, B.S.
Lyle John Monti, B.S.
Deane Fremont Mosher, B.S.
William Joseph Mulligan, A.B.
James Patrick O'Neil, B.S.
Victor Joseph Pisaneli
John Stephen Poczaabut, B.S.
Harry Lewis Pratt, B.S.
Maurice Emerson Rowe, B.S.
Mary Helen Rowley, B.S.
Harry Richard Ryan, Jr., A.B.
Robert Newton Saxby, B.S.
Leo Schneller, B.S.
Leo Maurice Seltzer, A.B.
Bartlett Henry Stone, B.S.
Harry Berns Werner, B.S.
Geoffrey Paul Wiedeman, B.S.
Jack Wool, B.S.
John Thomas Wright, B.S.

Brattleboro
Burlington
Burlington
Stamford, Conn.
Brandon
St. Albas
Barre
Nutley, N. J.
Dorchester, Mass.
Burlington
Burlington
Montpelier
Burlington
Barre
Newport
Springfield, Mass.
Burlington
Rutland
Florence
Rutland
Barnet
Milton
Rutland
Morrisville
Woodside, L. I., N. Y.
Barre
White River Junction
Brux, N. Y.
Burlington
Burlington
Waterbury

Nu Sigma Nu House
164 N. Union St.
34 N. Williams St.
38 Bradley St.
Fanny Allen Hospital
Nu Sigma Nu House
Nu Sigma Nu House
Fanny Allen Hospital
146 Mansfield, Ave.
130 Loomis St.
110 College St.
266 Main St.
107 Bnell St.
Nu Sigma Nu House
Fanny Allen Hospital
336 Pearl St.
131 Bank St.
Nu Sigma Nu House
163 Loomis St.
19 Booth St.
38 East Ave.
Milton
Nu Sigma Nu House
Delta Psi House
205 King St.
92 Brookes Ave.
19 Booth St.
465 North St.
Burlington
108 DeForest Rd.
275 S. Winooski Ave.
Bishop DeGoesbriand Hospital

THIRD YEAR:

Class of 1942

Bertrand Joel Andrews
Donald Louis Bashaw, B.S.
Paul Norman Berry, B.S.
John Sanbourne Bockoven, A.B.
Myer Harold Boyarsky, B.S.
Peter Demosthenes Corsones, B.S.
John Alexander Davidson, A.B.
Orley Leland Dugan, Jr.
Robert Byron Dugan, B.S.

Middlebury
Winooski
Richmond
W. Los Angeles, Calif.
Burlington
Rutland
St. Albans
Newport Center
Newport Center

Nu Sigma Nu House
39 Brookes Ave.
Winooski
Nu Sigma Nu House
64 Greene St.
Spring St.
Nu Sigma Nu House
10 S. Willard St.
S. Burlington
S. Burlington
Frank Dayton Eddy, B.S.
Dean Harding Edson
Richard Francis Farrell, B.S.
Christian Gronbeck, Jr., B.S.
Frank Edward Harrigan, B.S.
James Howard Kelleher, B.S.
John Edward Kennedy, B.S.
Avery Parsons King, B.S.
Emery Othello Lewis, B.S.
Leon Robert Lezer, B.S.
Robert Likovsky, B.S.
John Prentiss Lord, B.S.
Frederick Powers McIntyre, B.S.
Ernest Lee Mills, B.S.
George Bernard O'Connell, Jr., B.S.
Robert Graham Paterson, B.S.
Albert Francis Snay, Jr., B.S.
Edward Chapman Stannard, A.B.
Ernest Philip Tomasi, B.S.
Maurice Traunstein, Jr., B.S.
Horatio Paul Wakefield, B.S.
Charles Flagg Whitney, Jr., B.S.

Burlington
W. Lebanon, N. H.
Shelburne
E. Barnet
W. Hartford, Conn.
Montpelier
Adams, Mass.
St. Albans
Montpelier
Websterville
Burlington
Brattleboro
Brandon
Burlington
Lewiston, Me.
E. Craftsbury
White River Junction
Fair Haven
Montpelier
Allston, Mass.
Burlington
Burlington

SECOND YEAR:

Class of 1943

Paul John Audette, B.S.
Maurice Flavian Beauchamp, B.S.
Leonard Joseph Bisaccia, B.S.
Clarence Halsall Brown, B.S.
Ralph Leslie Cudlipp, Jr., B.S.
Seymour Saul Cutler, B.S.
Lloyd George Davies, B.S.
Stillman George Davis, Jr., B.S.
Harland Martin Deos, A.B.
Max Dublin, B.S., A.M.
James Curtis Giddings, B.S.
Walter Martin Glass, B.S.
William Mead Griffin, B.S.
Richard Berry Hadley, A.B.
John Alexander Hunter, Jr., B.S.
Paul Calvin Jenks, B.S.
Robert Ellis Johnston, B.S.
Barbara Elizabeth Jones, B.S.
Norman Kemler, B.S.
Murray Newman Levin, B.S.
John Thompson Prior, B.S.
Harry Morrison Rowe, B.S.

Burlington
231 Maple St.
243 Colchester Ave.
163 Loomis St.
71 Williams St.
Delta Psi House
Nu Sigma Nu House
Nu Sigma Nu House
10 S. Willard St.
40 Kingsland Ter.
Mary Fletcher Hospital
219 N. Winooski Ave.
102 Summit St.
163 Loomis St.
339 Colchester Ave.
Nu Sigma Nu House
106 Loomis St.
72 Greens St.
28 Brookes Ave.
Nu Sigma Nu House
146 Mansfield Ave.
262 North Ave.
19 Kingsland Ter.
Edward Joseph Sennett, Ph.B.  
Paul McLachin Stoddard, B.S.  
John Ernest Thayer, B.S.  
George Arthur Tulin, B.S.  
Harry Owen Whipple, A.B.  
Allan Yale Wolsky, B.S.  
Frank Edward Woodruff, A.B.  
James Graham Woodruff, A.B.  

First Year:  
Class of 1944  

Richard Walker Amidon  
Bernard Barney  
Arnold Herman Becker  
Mary Catherine Bodette  
Rosemary Cady Brewster  
Joseph Nemcsio Cabanizo  
Francis Arnold Caccavo, A.B.  
John Patrick Corley, A.B.  
Alan Davidson, A.B.  
Everett Lee Davis, B.S.  
David Dana Depue  
Elizabeth Dutton  
Stanley Franklin Dwinell  
Donald Maxwell Fowell, B.S.  
Albert Hugo Fregosi, A.B.  
Robert Ignatius Gleeson, B.S.  
Frederic Joseph Guilmette, B.S.  
Carleton Raymond Haines  
Howard Hinman Jacobs  
Lawrence Albert Janoff, B.S.  
William Herbert Johnston, B.S.  
Francis Alan Kennedy  
John Frederick Moore, B.S.  
Louis Fabien Pine  
William Arthur Pratt  
Ivan Booth Ross  
Henry Jerome Rulfo  
Harold John Rush  
Robert John Sheehy, B.S.  
James Edwin Simpson  
Clark William Stevens, B.S.  
Arthur Dave Wolk  

Barnet  
Bennington  
Burlington  
Vergennes  
Underhill  
Barre  
Barre  
Burlington  
Proctor  

St. Albans  
Craftsbury Common  
Canton, N. Y.  
Woodstock  
Bradford  
Burlington  
Rochester  
Barre  
Enosburg Falls  
New York, N. Y.  
Burlington  
St. Albans  
Fair Haven  
Burlington  
Rutland  
St. Albans  
Barre  
Newport  
Burlington  
St. Albans  
N. Stratford, N. H.  
Rutland  

Mary Fletcher Hospital  
Phi Chi House  
38 Lafayette Pl.  
21 N. William St.  
Phi Chi House  
121 Loomis St.  
Phi Chi House  
Phi Chi House  
144 DeForest Rd.  
197 N. Willard St.  
234 N. Willard St.  
268 Colchester Ave.  
82 Henry St.  
14 Colonial Sq.  
101 Brookes Ave.  
161 S. Prospect St.  
130 Robinson Pkwy.  
93 Buell St.  
62 S. Union St.  
25 Prospect Hill  
25 Brookes Ave.  
93 Robinson Pkwy.  
Alpha Tau Omega House  
116 N. Winooski Ave.  
51 Hickok Pl.  
203 S. Winooski Ave.  
96 Henry St.  
93 Buell St.  
93 Buell St.  
51 Brookes Ave.  
39 Brookes Ave.  
483 North St.  
44 Brookes Ave.  
188 Cliff St.  
44 Brookes Ave.  
188 Cliff St.  
146 N. Prospect St.  
188 Cliff St.  
16 Mansfield Ave.  
338 Pearl St.
VERMONT DEPARTMENT OF PUBLIC HEALTH

State Board of Health: Charles G. Abell, M.D., Enosburg Falls, Chairman; Claude M. Campbell, M.D., Manchester Center; Clarence H. Burr, M.D., Montpelier; Charles F. Dalton, M.D., Secretary and Executive Officer, Burlington; C. F. Whitney, M.D., Director of Laboratory; F. S. Kent, M.D., Director Communicable Disease Division; E. L. Tracy, Director Sanitary Engineering Division; C. P. Moat, B.S., Sanitary Chemist; H. W. Slocum, A.B., Director Tuberculosis Division; Lillian F. Kron, R.N., Crippled Children’s Division; Nellie M. Jones, R.N., Public Health Nursing; P. D. Clark, M.D., Maternal and Child Health.

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, inspection and licensing of hotels, restaurants, tourist houses, and bakeries, abatement of nuisances, educational work against tuberculosis, control of venereal diseases, physical rehabilitation of crippled children, and registration of vital statistics.

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

The State Board of Health is intimately connected with the College of Medicine of the University, the Secretary, Doctor Dalton, being Professor of Public Health, while the Director of the Laboratory of Hygiene, Doctor Whitney, is Professor of Toxicology and Physiological Chemistry, C. P. Moat, Sanitary Chemist of the Board, is Assistant Professor of Public Health in the College, and Doctor Clark, Director of the Maternal and Child Health Division, is Assistant Professor of Pediatrics. In connection with the Division of Maternal and Child Health, and in cooperation with local committees it maintains thirteen nursing units which include sixty-eight towns of the state.

MEDICAL FRATERNITIES AND SOCIETIES

Beta Pi, Delta Mu, Chapter of Nu Sigma Nu
(Founded 1880)
49 N. Prospect St.

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

Alpha Chapter of Phi Chi
(Founded at University of Vermont, 1889)
98 Brookes Ave.
THE OSLER CLINICAL SOCIETY

The Osler Clinical Society, which was organized in 1922, is composed of all undergraduate students in the College of Medicine. In addition to acting as a student governing body, the society sponsors a series of lectures given by outstanding men in the field of medicine. It is supported by a student fee. The organization is governed by a board of executive officers elected annually by the members. The president for 1940-41 is R. K. Caldwell, '41.

OFFICERS OF THE U. V. M. MEDICAL ALUMNI ASSOCIATION—1940

President—Dr. Harold F. Taylor, '17, Hartford, Conn.
Vice-Presidents—Dr. Donald Miner, '06, Jersey City, N. J.
Dr. Chester A. Smart, '15, Laconia, N. H.
Dr. Robert L. Maynard, '11, Burlington
Dr. J. C. O'Neil, '17, Waterbury

Secretary-Treasurer—Dr. Peter P. Lawlor, '20, Burlington

Executive Committee—Dr. Elmer W. Pike, '19, Burlington; Dr. Herbert A. Durfee, '20, Burlington; Dr. Walford T. Rees, '24, Burlington

Obituary Committee—Dr. T. S. Brown, '04, Burlington; Dr. Frank J. Lawliss, '23, Richford; Dr. C. A. Newhall, '28, Burlington.