1955

University of Vermont, College of Medicine Bulletin

University of Vermont

Follow this and additional works at: https://scholarworks.uvm.edu/dmlcatalog

Part of the Medicine and Health Sciences Commons

Recommended Citation

University of Vermont, "University of Vermont, College of Medicine Bulletin" (1955). University of Vermont College of Medicine Catalogs. 2.

https://scholarworks.uvm.edu/dmlcatalog/2

This Book is brought to you for free and open access by the University Libraries at ScholarWorks @ UVM. It has been accepted for inclusion in University of Vermont College of Medicine Catalogs by an authorized administrator of ScholarWorks @ UVM. For more information, please contact donna.omalley@uvm.edu.
Address all communications to the Dean's Office, College of Medicine, University of Vermont, Burlington, Vermont
Telephone 4-4511, extension 252
CALENDAR
1955 - 1956

Sept. 16 Friday. Enrollment and payment of fees.
Sept. 17 Saturday. Convocation.
Sept. 19 Monday. Class work and assignments begin.

1ST AND 2ND YEARS

1ST QUARTER: Sept. 19 (Monday) through November 13 (Sunday)

2ND QUARTER: Nov. 14 (Monday) through January 15 (Sunday)
Nov. 19-23 Saturday to Wednesday noon. Examinations.
Nov. 23-27 Wednesday noon through Sunday. Thanksgiving recess.
Jan. 3 Tuesday. Class work resumed.
Jan. 16-18 Monday through Wednesday. No classes.

3RD QUARTER: Jan. 30 (Monday) through April 1 (Sunday)
Jan. 30 Monday. Class work resumed.
February 3 Friday. Enrollment and payment of fees.
Feb. 17, 18 Friday and Saturday. Kake Walk—no classes.
March 19-24 Monday through Saturday noon. Examinations.
Mar. 24-Apr. 1 Saturday noon through Sunday. Spring vacation.

4TH QUARTER: April 2 (Monday) through May 26 (Saturday)
April 2 Monday. Class work resumed.
May 26 Saturday. Last day of classes—1st year.
May 28-June 2 Monday through Saturday. No classes—1st year.
June 2 Saturday. Last day of classes—2nd year.
June 4-9 Monday through Saturday. Examinations.

3RD YEAR

1ST QUARTER: Sept. 19 (Monday) through December 11 (Sunday)

2ND QUARTER: Dec. 12 (Monday) through March 18 (Sunday)
December 27 Tuesday. Assignments resumed.
March 10-18 Saturday noon through Sunday. Spring vacation.

3RD QUARTER: March 19 (Monday) through June 16 (Saturday noon)
June 9-17 Saturday noon through Sunday. Vacation.

4TH QUARTER: June 18 (Monday) through September 8 (Saturday noon)
June 18 Monday. Assignments resumed.

4TH YEAR

March 17-25 Saturday noon through Sunday. Spring vacation.
May 19 Saturday. Last day of assigned work.
May 21-24 Monday through Thursday. Pre-examination days.
May 25-29 Friday through Tuesday. Examinations.
May 30-June 9 Wednesday through Saturday. Vacation.
June 10 Sunday. Graduation.
CONTENTS

CALENDAR .................................................................. 3
ADMINISTRATION .................................................. 6, 7
STANDING COMMITTEES ......................................... 8
HISTORY .................................................................. 9
STUDENT INFORMATION ........................................... 11
  Admission—Requirements ...................................... 11
  Advanced Standing .............................................. 13
  Enrollment .......................................................... 13
  Finances—Fees and Expenses .................................. 13
  Scholarships and Loan Funds ................................. 16
  Graduation—Requirements ..................................... 19
  Honors and Prizes ................................................ 15, 74
Student Rules and Regulations ................................. 17
MEDICAL COLLEGE PROGRAM ............................... 19
  Curriculum—General Plan ...................................... 20
    Detailed Schedules ............................................. 26-30
    Summary of Studies ........................................... 31
  Teaching Facilities—College of Medicine Building .... 22
    Hospitals ......................................................... 23
    Ambulatory Patients and Home Care Facilities ....... 24
  Medical Library .................................................. 25
  Medical Museum ................................................ 25
  State Laboratory Facilities ................................... 25
  Division of Photography ...................................... 25
Organizations—Student Council ............................... 32
  Alpha Omega Alpha ............................................ 32, 74
  Fraternities ........................................................ 32
  Osler Clinical Society ......................................... 32
  Medical Alumni Association .................................. 32
ADMINISTRATION
THE BOARD OF TRUSTEES

CARL WILLIAMS BORGmann, Ph.D.  President
JOSEPH BLAINE JOHNSON, B.S.  Governor

March, 1950—March, 1956
JOHN HAYWARD PATRICK, M.B.A.  Burlington, Vt.
FREDERICK WAYNE SHEPARDSON, B.S.  Shelburne, Vt.
FERDINAND HENRY PEASE, A.B.  Pelham Manor, N. Y.
(From May 1, 1953)

March, 1951—March, 1957
ROBERT WALLACE H. DAVIS, B.S.  Newport, Vt.
DUNBAR WRIGHT BOSTWICK, B.A.  (From Dec., 1952)
EDWIN WINSHIP LAWRENCE, A.B.  Rutland, Vt.
(From Aug. 29, 1953)
NEAL W. BEATTIE, B.S.  Guildhall, Vt.
(From Apr. 28, 1955)

March, 1952—March, 1958
EDMUND CURTISS MOWER, LL.B.  Braintree, Mass.
HOWARD ANDERSON PRENTICE, D.Ed.  Washington, D. C.
LAURENCE LAMSON ROBBINS, M.D.  Winchester, Mass.

March, 1953—March, 1959
CHARLES HENRY BROWN, B.S.  Brandon, Vt.
OLIN DOW GAY, M.A.  Cavendish, Vt.
CORNELIUS O. GRANAI, LL.B.  Barre, Vt.
BENJAMIN FRANK MYOTT  Enosburg Falls, Vt.
(From Apr. 28, 1955)

March, 1954—March, 1960
DONALD ALBERT GANNON, B.S.  Wellesley, Mass.
ALBERT LOVEJOY GUTTERSON, B.S.  Springfield, Vt.
ROBERT THAYER HOLDEN, B.S.  Bennington, Vt.

March, 1955—March, 1961
MERRITT SANFORD HEWITT  Shaftsbury, Vt.
BASIL BARRY WALSH, B.S.  Goshen, Vt.
GEORGE DUNHAM MASON, B.A.  Brattleboro, Vt.
(From Apr. 28, 1955)

Secretary of the Board—JOHN H. PATRICK
Assistant Secretary—ANNA C. SMITH
THE COLLEGE OF MEDICINE

GEORGE ANTHONY WOLF, JR., B.S., M.D.  Dean
CHESTER ALBERT NEWHALL, A.B., M.D.

LEON ROBERT LEZER, B.S., M.D., M.P.H.  Secretary of the Faculty

CORNELIA JOSEPHINE BAYLIES, A.B.  Director of Health Studies

MRS. MARGARET M. HINMAN, B.S.  Administrative Assistant

Secretary for Admissions
STANDING COMMITTEES
Effective July 1, 1955

Admissions—Dean Wolf*; Drs. Pierce**; Saunders (1 yr.); Young (1 yr.); Stultz (1 yr.); Miller (2 yrs.).

Advancement—Dr. Pierce*; Advisory Committee and appropriate Division Heads.

Intern—Dr. McKay* and appropriate staff.

Tumor Clinic Board—Dr. Mackay*; Drs. Amidon, Cunningham; Maeck; Morrow; Newhall; Soule and Wolf.

Advisory—Dean Wolf*; Drs. Amidon; Coon; Cunningham; Gallagher; Gladstone; Mackay; Maeck; Newhall; Pierce; Sichel; Soule (1 yr.); D. Smith.

Subcommittees of the Advisory Committee:

Curriculum—Drs. Schumacher*; A. H. Chambers; Dunihue; Rees; Robertson; Tabakin.

Library—Drs. Lamden*; R. Amidon; W. Chambers; Lepeschkin; Robertson; L. Thabault.

Postgraduate Education—Drs. French*; S. Allen; Bouchard; O’Brien; Page.

Third-Year Lecture Committee—Drs. Rees*; Bland; Macmillan; Martin; Okey; Van Buskirk; Wilson.

*—Chairman
**—Vice-Chairman
HISTORY

The College of Medicine of the University of Vermont is one of the oldest institutions of its kind. A lecturer on Chirurgery and Anatomy was appointed by the Trustees of the University Corporation on August 16, 1804. The first full and regular course of lectures, however, was not given until the fall of 1822. In 1829 a Medical College building was erected at the south end of the campus. In 1836 the College was abandoned because of the death of some of its leading spirits and for lack of students. There had been graduated up to that time one hundred and sixteen men.

The reorganization and successful re-establishment of this school were due chiefly to the efforts of Dr. S. W. Thayer, then a practitioner at Northfield. His efforts date back to 1840 and finally were successful in 1853. Dr. Levi W. Bliss of Bradford was also active in securing the reopening of the College. The prosperity of the newly organized department in 1854 soon became manifest, and a material enlargement of the old Medical College building at the head of Main Street was demanded. A sum was raised and the necessary improvements made. In 1870 the citizens of Burlington contributed an additional sum of two thousand five hundred dollars to enlarge the building further by the addition of a wing and to increase the seating capacity of the two lecture rooms. In 1884 the late John P. Howard generously gave a building at the head of Pearl Street which was occupied first in 1885.

Until 1899 the relation of the College of Medicine to the University was nominal. Its reorganization at that time made it a coordinate department of the University under the control of the Board of Trustees and its facilities for teaching and study were increased. The faculty was enlarged and teaching facilities were improved. In 1903 the college year was lengthened to seven months and again in 1907 the teaching year was increased to thirty weeks of 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 dedicated in June, 1905.

In 1911 the faculty of the College of Medicine was reorganized and became an integral part of the University. In 1912 one year of college work was required for admission and the College of Medicine year was made equal in length to that of the academic college. Two full years of college work were required for admission in 1917. In 1920 women were admitted to the College of Medicine. In recent years 82% of all students have the baccalaureate degree upon admission to the College of Medicine. In select-
ed instances students at the University of Vermont undergraduate college may receive their Bachelor’s degree after three years of undergraduate work and one year as a medical student.

REGIONAL COOPERATION

The Trustees of the University of Vermont and the University of New Hampshire took the first step in the program of regional educational cooperation for New England when in October 1954 they signed a formal contract which establishes in-state tuition rates for selected New Hampshire students at the medical college of the University of Vermont.

Steps are being taken to extend this beginning in regional cooperation to all the New England states.

FORM OF BEQUESTS

“I (we) hereby give and bequeath unto the College of Medicine of the University of Vermont and State Agricultural College of Burlington, Vermont, the sum of . . . . . . . . . . dollars for the use of the College of Medicine.”

If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College of Medicine, such use may be specified.
STUDENT INFORMATION
REQUIREMENTS FOR ADMISSION

The usual requirements for admission to the College of Medicine are four years of college work done in an institution listed among the "Approved Colleges of Arts and Sciences," compiled and published by the Council on Medical Education and Hospitals of the American Medical Association. The College of Medicine requires one year each of:

- Biology
- English
- Physics (including laboratory)
- General Chemistry
- Organic Chemistry
- Quantitative Chemistry (a satisfactory one semester course)

The College strongly recommends additional courses in:

- English
- Mathematics (at least one year)

These should be regarded by the student as minimum basic requirements. Majoring in sciences is not required.

While the minimum requirements must be satisfactorily completed, additional well-planned courses of study in the fields of history, economics, sociology, psychology, philosophy, music and the arts should be included. This is possible if students carefully plan programs of study aimed at individual scholarship and development of a field of interest early in their academic careers. In this way the student develops a general background and at the same time prepares himself for the study of medicine. Each of these is equally important. The well-trained physician should be a well-educated person.

Students must satisfactorily complete all requirements for admission to the College of Medicine in any given year by July 1 preceding the September admission. Ordinarily courses taken in other than a liberal arts college will not meet our admission requirements.

The Admissions Committee expects applicants to have completed a program equivalent to that outlined but reserves the privilege, at its discretion, to give favorable consideration to applicants with college work of a different type, provided it includes acceptable credits in the required courses.

Eligibility for admission to the College of Medicine of an applicant, who has fulfilled the entrance requirements as stated, is determined by the Admissions Committee of the College of Medicine on the basis of the following:
1. Personality and aptitude of the applicant for the study and practice of medicine. This is determined by recommendations and especially by personal interview with the Admissions Committee. Dates for these interviews are announced by the Committee.

2. The scholastic record of the applicant in his premedical work.

3. The Medical College Admission Test, recommended by the Association of American Medical Colleges, is required of each applicant. The scores made in this test are taken into consideration but are not used as a final determinant in accepting students.


Because of limited teaching facilities, a maximum of fifty students is admitted to the entering class. In the selection of eligible applicants for admission, the following preferences are, in general, observed by the Admissions Committee.

Preference for admission is according to the following priorities:

1. Qualified residents of Vermont.
2. Qualified residents of the New England states, especially those from Maine and New Hampshire.
3. Qualified residents of other areas.

Sons and daughters of the alumni of the College of Medicine of the University of Vermont are given special consideration within the framework of the above policy.

The State of Vermont by statute requires every resident of the State who enrolls in a curriculum leading to the degree of Doctor of Medicine and who enjoys reduced tuition to sign an agreement to practice medicine in Vermont for the period of one year for each year of enrollment. In lieu of this, the student may refund to the State Treasurer, through the University, the difference between the total tuition paid and the total unit cost to the State of the curriculum pursued.

Application blanks may be secured from the Dean's Office, College of Medicine, University of Vermont, Burlington, Vermont.

Applications for admission to the class entering in September of any year will close March 1 preceding the September admission. Applications postmarked up until midnight of the last day of February will be considered.

An application fee of ten dollars, payable to the University of Vermont and State Agricultural College, must accompany all applications.
ENROLLMENT

On a day designated at the opening of each semester, registration and enrollment take place. Payment of tuition and other fees must be made at this time.

Students who fail to register on the day designated for registration will be required to pay the fee for late registration.

ADMISSION OF STUDENTS TO ADVANCED STANDING

When vacancies occur, students may be considered for advanced standing. Such students will be accepted only on the conditions stated herewith.

1. That the premedical and medical work be in accord with the courses required at this institution, and have been 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 statement of record shows no condition and that said statement be accompanied by a letter of honorable dismissal.

No applicant for advanced standing will be enrolled under more favorable conditions than he would obtain were he to continue at the institution from which he seeks to transfer.

A personal interview is required of all applicants for admission by transfer to the College of Medicine. Preference will be given according to the policy for first-year students.

Students desiring advanced standing are subject to the same rules in regard to advancement in course as students who have attended the College of Medicine of the University of Vermont.

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

FEES AND EXPENSES

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Fee</td>
<td>$10.00</td>
</tr>
<tr>
<td>Fee for late registration</td>
<td>6.00</td>
</tr>
<tr>
<td>Tuition Fee for each session for Vermont students</td>
<td>550.00</td>
</tr>
<tr>
<td>Tuition Fee for students not residents of Vermont</td>
<td>1,000.00</td>
</tr>
<tr>
<td>Osler Clinical Society Fee</td>
<td>3.50</td>
</tr>
<tr>
<td>Locker Fee for each of first, second and third years</td>
<td>1.00</td>
</tr>
<tr>
<td>Locker Key Deposit—Paid on admission; refunded end of third year</td>
<td>1.00</td>
</tr>
<tr>
<td>Room Rent</td>
<td>$300.00 to $450.00</td>
</tr>
<tr>
<td>Board</td>
<td>300.00 to 400.00</td>
</tr>
</tbody>
</table>
All students who enter the first year in the College of Medicine following three years' attendance in the College of Arts and Sciences of the University of Vermont are charged the academic student activity fee of $15 for that year. This includes the Osler Clinical Society fee of $3.50 a year. All students are required to pay the latter fee each year they attend the College of Medicine. Other medical students may, by paying the student activity fee, become entitled to the benefits students receive from payment of that fee.

Living accommodations may be obtained with the help of the Housing Bureau in Waterman Building. Occasionally a list of available rooms in the vicinity is posted on the bulletin board in the College of Medicine building. The Dean's Office does not handle housing for students.

Every student must have in his or her possession on registration day of the College of Medicine a microscope of the following specifications. Such microscope must be in his or her possession for use during the entire four years of the medical course.

A satisfactory modern (medical type) compound microscope with side fine adjustment and equipped with:

(a) An Abbe substage condenser with iris diaphragm and rack and pinion

(b) 10X oculars

(c) At least three objectives with lenses free from defects and capable of giving clear images—low power (16 mm.), high dry power (4 mm.), and oil immersion (1.8 mm.)

(d) At least a three-place nosepiece

(e) A modern and properly functioning mechanical stage; calibration is not necessary.

(f) Properly functioning fine and coarse adjustments.

(g) A substage mirror. (Built-in substage illuminators are not acceptable substitutes.)

(h) A substage lamp, American Optical #385B, which is equipped with a 3/16 inch Corning Daylite filter for monocular microscopes and an American Optical lamp #361 equipped with 3/16 inch Corning Daylite filter for binocular microscopes.

Note: In the normal course of events, it requires 2 months to obtain delivery on the above equipment.

Students must provide microscopical supplies for use in the various laboratories.
Each student must purchase a dissecting set for use in the
Anatomical Laboratory.

Medical textbooks, outlines, student supplies and equipment
are sold at the University Store in the Waterman Memorial
Building.

The 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.

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 be available for more than four
years.

HONORS AND PRIZES

The five students who have been top-ranking during the
entire four years' course of study in the College of Medicine, are
graduated as Doctors of Medicine, *cum laude*.

*Alpha Omega Alpha.*—Honor medical society. Students
are elected to this national society by faculty advisors and student
members. Selection is based not only upon high academic rec-
ords but also upon evidence of individual scholarship and promise
for a medical career.

*The Governor Woodbury Prizes.*—The income from a fund
of one thousand dollars provides annually two equal prizes. The
first is awarded at graduation to the student who has shown the
greatest proficiency in clinical work. The other is awarded to the
sophomore having the highest standing in the subjects of the first
two years. The amount of each prize is determined by the in-
come obtained from the investment of the fund.

*The Carbee Prize.*—A prize 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 annual income from the investment of
this fund provides a prize to be awarded annually to that student
of the Senior class who has shown the greatest proficiency in the
field of Obstetrics. The Department of Obstetrics makes the
award.

*Lamb Foundation Prizes.*—Prizes of seventy-five, fifty and
twenty-five dollars will be offered during the year 1955-1956 by.
the Lamb Foundation to students in the College of Medicine. The awarding of these prizes will be for student interest, application to and work on the problems of patient comfort and doctor-patient relationship.

**SCHOLARSHIPS AND LOAN FUNDS**

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 derived from the investment of this fund is given annually to a deserving student in the College of Medicine.

By Act of the Legislature in 1919, amended in 1953, the State of Vermont annually provides State Scholarships of $200 each in the College of Medicine for residents of the State of Vermont who may need financial assistance. To qualify for such scholarships, students must have established residence in Vermont two consecutive years preceding enrollment in the University. Where students accept these scholarships, they must agree to practice medicine in the State of Vermont one year for each year such aid is given, or refund the amount of aid received. Application blanks may be obtained at the Dean's Office.

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. Students in the College of Medicine in need of financial assistance may apply for loans from this fund.

The Edith Blanche Kidder Scholarship Fund was established by the late Joseph W. Kidder. This is for students in the College of Medicine, preference being shown to legal residents of Barre, Vermont. The amount of each scholarship is determined annually by the income from the invested fund.

The Edward Everett Hawes Fund, founded in 1946 by bequest of Dr. Edward Everett Hawes of Hyannis, Massachusetts, provides scholarship aid for medical students.

The Medical College Loan Fund is available for loans to students enrolled in the College of Medicine.

The W. K. Kellogg Loan Fund was established in May 1942 by a gift of $10,000 from the W. K. Kellogg Foundation. It provides loan funds for students of ability in the College of Medicine who may be in need of financial assistance.

Certain special and endowed scholarships and funds, including the Wilbur Fund, are available to students of any college in
the University. See the catalogue number of this Bulletin. All requests for student aid should be made through the Dean's office.

REGULATIONS FOR COLLEGE OF MEDICINE STUDENTS

ATTENDANCE

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

b. Students must wait ten minutes for an instructor or lecturer who is tardy. In case of examination, students are expected to remain throughout the assigned period.

c. The course of instruction in the College of Medicine requires four consecutive school years. No student is eligible for a medical degree who has not been registered in medical school four complete years. Any resumption of study after absences greater than the time allowed for absence will be permitted only on majority vote of the Faculty of the College of Medicine upon the recommendation of the Admissions Committee.

ADVANCEMENT

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

b. 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, and upon the results of all examinations held during and at the end of the course.

c. The work of students is evaluated on the basis of 100 per cent. The lowest passing grade is 75 per cent except in the case of minor subjects. In the first and second years, the passing grade for each minor subject is 75 percent. In the third year, a grade of 60 per cent is accepted for individual minor subjects, but the average for a group of minor subjects must be 75 per cent.

d. Any student who has failed in 25 per cent or more of the major courses in any year will not be allowed to advance with his class. Neither shall he be allowed to repeat the work of that year, except upon recommendation of the Committee on Advance- ment and by vote of the faculty.

e. Students who fail in less than 25 per cent of the major courses in the first, second, or third years may be re-examined in the subjects failed at the regular examination period preceding the opening of the next school year. The highest final grade allowed for a course passed on re-examination shall be 75 per cent.
f. A student who, upon re-examination in any subject, again fails will not be advanced. Such student may, however, petition the faculty to repeat the year.

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

h. A student, whose grade average for the year is less than 80, may be required, after review of his status by the Committee on Advancement and formal approval of the faculty, to repeat the year's work or to withdraw from school.

i. A student who has been a member of either the first, second, or third-year class for two school years, and has failed to fulfill the requirements for advancement, or a student who has been a member of the fourth-year class for two school years and has failed to fulfill the requirements for graduation will not be enrolled again as a student of the College of Medicine.

j. A student who fails to present himself at the appointed hour for any examination at which he is due to appear will be treated as having taken the examination and failed to pass it, unless he is excused from such examination by the faculty.

k. The scholastic records of all students shall be reviewed by the Committee on Advancement at the end of the course work, and may be reviewed at any time.

   Freshmen: Rules regarding failures apply, except that the Committee on Advancement is empowered to review cases of failure and make such recommendations to the Dean and the Faculty as it may see fit.

   Sophomores: At the completion of the second year's work students may be required to take a comprehensive examination upon recommendation of a department chairman, subject to the approval of the Committee on Advancement and the Dean.

   Juniors: The third-year students shall be judged on the basis of course work, present rules regarding failures to hold except that the Committee on Advancement is empowered to review cases of failure and make such recommendations to the Dean and Faculty as it may see fit.

   Seniors: Fourth-year students may be required to take a comprehensive examination upon recommendation of a department chairman, subject to the approval of the Dean.
REQUIREMENTS FOR GRADUATION

Candidates for the degree of Doctor of Medicine must have reached the age of twenty-one years and must have shown 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. The degree of Doctor of Medicine is granted by the Board of Trustees of the University of Vermont and State Agricultural College to candidates from the College of Medicine only upon the recommendation of the Committee on Advancement and the Faculty of the College of Medicine to the University Senate.

While internship 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.

All candidates for degrees must be present at Commencement unless excused by the President of the University.

MEDICAL COLLEGE PROGRAM

This College of Medicine has for its ultimate goal the training of its students for the profession of medicine. To be a physician in the true sense of the word, one must have an understanding of the patient's illnesses and of the problems which may arise for him and his family, a knowledge of how to treat those illnesses and, when necessary, how to bring help to the patient and his family insofar as possible through the utilization of existing state and community organizations. The physician must recognize and willingly assume his responsibilities to his community.

In order to bring to the medical student an early introduction to the problems confronting the physician, the first-year class is divided into small groups which meet several times during the year with the dean and the secretary of the faculty. Here the students bring up topics unrelated to their course work which discussion may clarify.

This year an experimental plan has been put into effect in an attempt to relate the work of the College of Arts and Sciences more closely to that of the College of Medicine and to make more gradual the transition to a much more specialized type of study. Six students were selected from those applicants who had com-
pleted their third year of premedical training at the University of Vermont. These students will take courses in each college during the next two years and it is hoped that by so doing they will begin to direct their thinking toward medicine as it applies to man, his hopes and fears, his ambitions and despairs, and their possible effects upon his mind and body.

With this increasing awareness, by a thoughtful selection of elective courses in the College of Arts and Sciences the student may provide himself with a much more comprehensive background for his medical training and career than he might otherwise have obtained. Because of this, he may be able to bring a new perspective to his medical education and, upon completion of his formal training, he may be better prepared to become the "family doctor," whether he practice in a rural area where he can become acquainted with his patients, their families and their needs, or in an urban area where such familiarity with the background of his patients is practically impossible but where his basic knowledge of the problems of mankind will give added confidence in him to those whom he treats.

The formal program of training in the College of Medicine consists of four years. During this period the student is taught the fundamental principles upon which he must continue to build all through life in order to keep himself informed of the most recent advances in the rapidly changing field of medicine. Specialized training in any area of medicine must come after graduation and may consist of from one to five years by means of internships, residencies, or research.

Those students who show an interest in the basic sciences and a desire to take further work are encouraged to do so in order to prepare themselves more adequately for the practice of medicine, for a career in academic medicine, or for research.

GENERAL PLAN OF THE CURRICULUM

FIRST YEAR: Anatomy, physiology and biochemistry are integrated in such a fashion that topics are considered simultaneously by all departments in so far as possible. Thus when the abdomen is being dissected, the physiology of the gastro-intestinal system and the biochemistry of digestion are being considered at the same time. A course in psychobiology includes lectures, moving pictures and discussion. Informal small discussion groups which meet with the dean and the secretary of the faculty are supported by the Lamb Foundation.
SECOND YEAR: The curriculum is divided into three parts and correlated in time.

Course A, Morphology, Physiology and Chemistry of the Abnormal, runs throughout the entire year and includes pharmacology, pathology, clinical pathology, psychopathology, and public health. A conjoint course meets once a week during the second semester in an attempt to relate certain aspects of clinical medicine to the preclinical sciences.

Course B, Elicitation of Data, includes history taking and examination which are taught cooperatively by the various specialists under the general supervision of an internist. This is given in the second semester only.

Course C, Introduction to Clinical Medicine, consists of didactic lectures and case presentations covering elementary medicine, pediatrics, surgery, obstetrics, gynecology and oral medicine, and is given in the second semester.

The schedule varies from week to week because the subject material presented by the different departments is correlated.

THIRD YEAR: A clinical clerkship divided into four quarters is conducted from September to the following August. One half of the year is devoted to medicine and pediatrics but included in this period are clinical conferences, discussion groups, and field trips covering preventive medicine, psychiatry, dermatology, radiology, and ophthalmology. Limited responsibility for and observation of patients in the two local hospitals are the primary activities. Rounds, tutorial sessions, and informal conferences are held. The third quarter includes a clerkship on surgery with clinical conferences for the students in neurosurgery, otolaryngology, clinical surgery, orthopedic surgery, and surgical pathology. Teaching is accomplished by tutorial instruction, rounds, staff conferences and operating room work. The final quarter is a clerkship in obstetrics and gynecology, including tutorial instruction, ward, delivery and operating room experience. Manikin work, conferences, rounds, tutorial sessions, and sessions with fresh gynecological pathological material are included.

FOURTH YEAR: This year includes further general hospital and specialty hospital experience and, in addition, experience in the care of the ambulatory patient. Seniors attend school from September to June. They are given increasing responsibility, live at general hospitals outside of Burlington, but are supervised by staff members. Tuberculosis and psychiatric specialty hospitals
are included in the rotation program. Ambulatory patient service is experienced in the Burlington Free Dispensary (operated by the College of Medicine), in the outpatient departments of the general hospitals, on home care visits, and during preceptorships with general practitioners.

All of the usual medical specialties are represented including mental hygiene clinics and cerebral palsy clinics.

The curriculum is not static and an active curriculum committee is meeting continually to evaluate the present curriculum and plan changes.

TEACHING FACILITIES

THE COLLEGE OF MEDICINE BUILDING

The College of Medicine occupies a building on Pearl Street at the north end of the College Green. The Administrative Offices of the College and the laboratories of Histology, Pathology, and Bacteriology are located on the first floor of the building. An amphitheatre, with a seating capacity of one hundred and fifty, is on this floor. There is a smaller amphitheatre on the second floor. The Library of the College of Medicine, a division of the University Library, occupies the southwest portion of the second floor. The offices and laboratories of the Department of Biochemistry and of the Division of Experimental Medicine are also on this floor. On the third floor are the Departments of Anatomy, and Physiology and Biophysics. The Department of Anatomy has a special museum and other facilities for teaching, made possible by generous contributions from Alumni of the College of Medicine. A modern refrigeration unit insures excellent preservation of specimens. The teaching museum includes a permanent display of cross sections of a complete male body, together with additional head sections and female pelvic sections, housed in glass-topped containers. A student laboratory is shared by the Department of Pharmacology and the Department of Physiology and Biophysics.

All departments are equipped with laboratories for research and special technical work. The animal houses, adjacent to the College of Medicine, are used by all departments for research and student teaching. A constant temperature unit is available to all departments for teaching and experimental work.

A building adjacent to the College of Medicine contains the offices and laboratories of the Department of Pharmacology, a medical student lounge, and the office of Director of Health Studies.
THE MARY FLETCHER HOSPITAL. This general hospital has 220 beds and 37 bassinets. It has been associated with the College of Medicine as a teaching hospital since 1879, and has all types of medical and surgical services. The hospital has a yearly average of approximately 58,000 patient days. At least two-thirds of the patients are available for teaching purposes through the use of free and part-pay beds and the use of private cases by attending staff men as members of the faculty of the College of Medicine. The hospital is approved by the American Medical Association for intern training and for residencies in medicine, radiology, surgery, anesthesia, pathology, pediatrics, obstetrics-gynecology and urology.

THE DEGOESBRIAND MEMORIAL HOSPITAL. The DeGoesbriand Memorial Hospital is a modern and completely equipped general hospital located on the corner of Pearl and Prospect Streets west of the College Green and adjacent to the College of Medicine. The present capacity of the hospital is 200 beds and 35 bassinets. All the clinical services are represented in the approximately 52,000 patient days.

Medical students are under the supervision of the attending staff who are members of the faculty of the College of Medicine. The DeGoesbriand Memorial Hospital is fully approved for intern training and has joint residency programs under the University of Vermont College of Medicine in surgery, obstetrics, gynecology, pediatrics, anesthesiology, urology, pathology, and radiology. It also has an approved residency in medicine.

Fourth-year students spend periods of time at the following institutions under the supervision of a preceptor who reports to the College of Medicine.

Fanny Allen Hospital (Winooski)—An 86-bed general hospital.
Putnam Memorial Hospital (Bennington)—A 96-bed general hospital.
Springfield Hospital (Springfield)—A 47-bed general hospital.
Rutland Hospital (Rutland)—A 140-bed general hospital.
Brightlook Hospital (St. Johnsbury)—A 55-bed general hospital.
Veterans Administration Hospital (Sunmount, N. Y.)—A 564-bed tuberculosis hospital, with the teaching program supervised by Dean’s Committee.
Ray Brook State Tuberculosis Hospital (Ray Brook, N. Y.)—A 350-bed tuberculosis hospital.

Vermont State Hospital (Waterbury)—A 1,125-bed state psychiatric hospital.

All of the above institutions are approved by the Joint Committee on Accreditation.

The Elizabeth Lund Home—A home for 24 unmarried mothers, used for the teaching of normal obstetrics and newborn care.

St. Joseph’s Orphanage—Ten to fifteen children are observed in weekly sick call. Average census, 125 children.

St. Joseph’s Home—With 35 geriatric patients.

Children’s Home—Approximately 12 children are observed under similar conditions.

AMBULATORY PATIENT AND HOME CARE FACILITIES

THE BURLINGTON FREE DISPENSARY. This Dispensary is located in the Howard Relief Building at 174 Pearl Street (in the center of Burlington) and is supported jointly by the City of Burlington and the College of Medicine. During the previous year, 4,983 visits were made to the Dispensary. Surgical, mental health, pediatric, dermatological, speech and hearing, and crippled children clinics, and a medical screening clinic operate. Students work in these clinics under the supervision of medical college staff members.

CITY SERVICE. Fourth-year students are assigned to the home care service. Home visits day and night are made with medical resident physicians under the supervision of staff members. There were 6,063 such visits made last year.

DURFEE MEMORIAL CLINIC. The Clinic is located at the Mary Fletcher Hospital. Approximately 5,557 free and part-pay patient visits are referred by the Free Dispensary and practicing physicians and studied in general and specialty clinics under the supervision of medical college staff specialists.

DEGOESBRIAND MEMORIAL OUTPATIENT DEPARTMENT. Four thousand five hundred visits to general and specialty clinics are made annually. These clinics are supervised by University of Vermont staff members.

PRECEPTORSHIPS IN GENERAL PRACTICE. Selected practitioners about the State accept fourth-year students in their homes and offices for one month of experience in general practice.
MEDICAL LIBRARY

The Medical Library contains the standard reference works in medicine and cognate fields, up-to-date texts and monographs, and files of back journals. Over 385 subscriptions to current journals are received regularly. From time to time the library acquires valuable additions from private gifts.

The research facilities of the library are extended by inter-library loans of original materials, photostats, and microfilms. The University Library collections, numbering about 200,000 volumes, are available to medical students and staff.

The location of the collection in the College of Medicine is adjacent to classroom facilities and within short walking distance of the two main teaching hospitals.

MEDICAL MUSEUM

The College of Medicine maintains a museum with a collection of pathological specimens for use in teaching.

STATE LABORATORY FACILITIES

In addition to the teaching laboratories of the College of Medicine, the new laboratories of the Vermont State Department of Health are available for bacteriological, diagnostic, serological, medico-legal, food and water testing.

Through close cooperation between the Vermont State Department of Health and the College of Medicine, staff members of the former have faculty appointments and give instruction to students in preventive medicine and public health. This arrangement is designed to promote the common interests of the two institutions and to educate the medical student for the essential part he must play as a practicing physician in the maintenance of public health. It helps to integrate the teaching of clinical medicine, preventive medicine, and public health and to emphasize the relationship of the individual, as a clinical entity, to the population as a whole.

DIVISION OF PHOTOGRAPHY

The division of photography has photographic equipment and laboratories at the College of Medicine for photomicrographic and other types of photographic work. This division has a full-time staff whose services are available to all departments of the College of Medicine and the local hospitals.
FIRST YEAR SCHEDULE
1955-56

<table>
<thead>
<tr>
<th>Hours</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:50</td>
<td>Biochemistry</td>
<td>Biochemistry (first 9 wks.)</td>
<td>Biochemistry</td>
<td>Psychobiology**</td>
<td>Discussion Groups**</td>
<td>Biochemistry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Anatomy (remainder of yr.)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00-9:50</td>
<td></td>
<td>Anatomy</td>
<td></td>
<td></td>
<td></td>
<td>Biochemistry</td>
</tr>
<tr>
<td>10:00-10:50</td>
<td>Anatomy*</td>
<td>Anatomy</td>
<td>Physiology</td>
<td>Physiology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-11:50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Anatomy</td>
</tr>
<tr>
<td>1:00-1:50</td>
<td>Anatomy</td>
<td>Free</td>
<td>Physiology (sec. a)</td>
<td>Physiology (sec. b)</td>
<td>Anatomy</td>
<td></td>
</tr>
<tr>
<td>2:00-2:50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00-3:50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00-4:50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


**Meet alternate weeks.
SECOND YEAR SCHEDULE  
First Semester 1955-56

<table>
<thead>
<tr>
<th>Hours</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:50</td>
<td></td>
<td></td>
<td>Pharmacology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9:00-9:50</td>
<td>Anatomy</td>
<td></td>
<td>Pharmacology</td>
<td>Pathology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00-10:50</td>
<td>Pharmacology</td>
<td></td>
<td>Bacteriology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11:00-11:50</td>
<td>Pharmacology</td>
<td></td>
<td>Course C:</td>
<td>Pathology</td>
<td>Free</td>
<td>Pathology</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Introduction to</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Clinical Medicine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00-1:50</td>
<td>Pharmacology</td>
<td>Pathology</td>
<td></td>
<td>Bacteriology</td>
<td>Pharmacology</td>
<td></td>
</tr>
<tr>
<td>2:00-2:50</td>
<td>Pathology</td>
<td></td>
<td>Free</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00-3:50</td>
<td></td>
<td></td>
<td></td>
<td>Bacteriology</td>
<td>Anatomy</td>
<td></td>
</tr>
<tr>
<td>4:00-4:50</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Bacteriology</td>
<td></td>
</tr>
</tbody>
</table>

There are some variations in this schedule from week to week.
# SECOND YEAR SCHEDULE

## Second Semester 1955-56

<table>
<thead>
<tr>
<th>Hours</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-8:50</td>
<td>Course A: Pathology</td>
<td>Course C: Introduction to Clinical Medicine</td>
<td>Course C: Introduction to Clinical Medicine</td>
<td>Course C: Introduction to Clinical Medicine</td>
<td>Course A: Pathology</td>
<td>Course C: Introduction to Clinical Medicine</td>
</tr>
<tr>
<td>9:00-9:50</td>
<td></td>
<td>Course B: Elicitation of Data Physical Diagnosis</td>
<td>Course B: Elicitation of Data Neurological Diagnosis</td>
<td>Course B: Elicitation of Data History Taking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:00-10:50</td>
<td></td>
<td>Course A: Introduction to Clinical Medicine</td>
<td>Course A: Public Health</td>
<td>Course B: Elicitation of Data Radiological Diagnosis</td>
<td>Course A: Pharmacology</td>
<td>Course B: Elicitation of Data Physical Diagnosis</td>
</tr>
<tr>
<td>11:00-11:50</td>
<td>Course A: Pharmacology</td>
<td>Course A: Pharmacology</td>
<td>Course A: Pharmacology</td>
<td>Course A: Public Health</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

There are some variations in this schedule from week to week.
THIRD YEAR SCHEDULE
1955-56
Surgical Quarter (12 weeks)
(Other quarters are: Medicine, Pediatrics and Obstetrics)

<table>
<thead>
<tr>
<th>Hours</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-9:00</td>
<td>Tutor</td>
<td>Conference</td>
<td>Tutor</td>
<td></td>
<td></td>
<td>Tutor</td>
</tr>
<tr>
<td>9:00-10:00</td>
<td>Conference</td>
<td>Neurosurgery</td>
<td>Grand Rounds</td>
<td></td>
<td></td>
<td>Conference</td>
</tr>
<tr>
<td>10:00-11:00</td>
<td>One student weekly to x-ray</td>
<td>ENT conference</td>
<td>Proctology</td>
<td></td>
<td></td>
<td>Orthopedic</td>
</tr>
<tr>
<td>11:00-12:00</td>
<td>Special lecture</td>
<td>Special lecture</td>
<td>Special</td>
<td>Special lecture</td>
<td>Special lecture</td>
<td>conference</td>
</tr>
<tr>
<td>12:00-1:00</td>
<td>x-ray conference</td>
<td>Chest conference</td>
<td>Pathological-Surgery Conference</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1:00-2:00</td>
<td>x-ray conference</td>
<td></td>
<td></td>
<td>Anesthesia or Urology</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2:00-3:00</td>
<td>x-ray conference</td>
<td></td>
<td></td>
<td>Thoracic Surgery</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:00-4:00</td>
<td>x-ray conference</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4:00-5:00</td>
<td>x-ray conference</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All hospital rounds and conferences not listed will be available for student attendance.
Students spend unassigned time on the wards of the hospitals as clinical clerks.
FOURTH YEAR SCHEDULE
1955-1956

Detail of Rotation

Medicine and Surgery, State Hospital

Outpatient Department, Mary Fletcher Hospital

Outpatient Department, DeGoesbriand Memorial Hospital

Home Care Program and City Dispensary

Tuberculosis, Veterans Administration Hospital, Sunmount, N. Y. or Ray Brook State Tuberculosis Hospital, Ray Brook, N. Y.

Psychiatry, State Hospital, or Brattleboro Retreat

Mixed service—Fanny Allen, Springfield, Putnam Memorial, Brightlook or Rutland Hospitals.

Elective month—with a general practitioner or one of the clinical departments in Burlington.
# SUMMARY OF STUDIES 1955-1956

## CLASSROOM AND LABORATORY HOURS

### First Year

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>324</td>
</tr>
<tr>
<td>Biochemistry</td>
<td>214</td>
</tr>
<tr>
<td>Discussion Groups</td>
<td>6</td>
</tr>
<tr>
<td>Histology and Embryology</td>
<td>148</td>
</tr>
<tr>
<td>Neuro-anatomy</td>
<td>96</td>
</tr>
<tr>
<td>Physiology</td>
<td>248</td>
</tr>
<tr>
<td>Psychobiology</td>
<td>32</td>
</tr>
</tbody>
</table>

**Total hours**  
1,068

### Second Year

#### Course A

<table>
<thead>
<tr>
<th>Course</th>
<th>1st Semester</th>
<th>2nd Semester</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anatomy</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>Bacteriology</td>
<td>165</td>
<td>165</td>
<td>165</td>
</tr>
<tr>
<td>Clinical Pathology</td>
<td>61</td>
<td>44</td>
<td>105</td>
</tr>
<tr>
<td>Conjoint</td>
<td>24</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Pathology</td>
<td>176</td>
<td>128</td>
<td>304</td>
</tr>
<tr>
<td>Pharmacology</td>
<td>84</td>
<td>80</td>
<td>164</td>
</tr>
<tr>
<td>Psychopathology</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Public Health</td>
<td>31</td>
<td>31</td>
<td>31</td>
</tr>
</tbody>
</table>

**Total hours**  
516  
323  
839

#### Course B

<table>
<thead>
<tr>
<th>Major subjects</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elicitation of Data</td>
<td>141</td>
</tr>
</tbody>
</table>

**Total hours for year**  
516  
559  
1,075

## CLERKSHIPS

### Third Year

The year consists of 48 weeks devoted predominantly to clinical work on the ward services of the two major teaching hospitals in Burlington. The work is divided into periods of clinical clerkships as follows: Medicine (16 weeks), Pediatrics (8 weeks), Surgery (12 weeks), Obstetrics and Gynecology (12 weeks). The approximate total number of hours is 2,112 (48 weeks x 44 hours).

### Fourth Year

This year consists of 36 weeks divided into 9 4-week periods, devoted entirely to clinical work. This takes place in outpatient departments, on a home care service, and on the wards of general and specialty hospitals. The approximate total hours is 1,584 (36 weeks x 44 hours).

*Major subjects.*
ORGANIZATIONS

STUDENT COUNCIL

Elected representatives from each class form a student council which meets with the Dean monthly during the academic year.

ALPHA OMEGA ALPHA

A chapter of the national medical honor society was installed at this College on November 21, 1952.

MEDICAL FRATERNITIES AND SOCIETIES

Beta Pi Delta Mu Chapter of Nu Sigma Nu (Founded 1880)

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

Alpha Chapter of Phi Chi
(Founded at University of Vermont, 1889)

Phi Delta Epsilon

THE OSLER CLINICAL SOCIETY

The Osler Clinical Society, which was organized in 1929, is composed of all undergraduate students in the College of Medicine. The society sponsors a series of lectures given by outstanding men in the field of medicine. It is supported by the students. The organization is governed by a board of executive officers elected annually by the members. The president for 1955 is John S. Manuelian.

OFFICERS OF THE U.V.M. MEDICAL ALUMNI ASSOCIATION—1955

President—DR. NORMAN W. CRISP, '25, Nashua, N. H.

Vice-President—DR. J. C. CUNNINGHAM, '35, Burlington

Secretary-Treasurer—DR. RALPH D. SUSSMAN, '38, Burlington

Executive Committee—DR. A. BRADLEY SOULE, JR., '28, Burlington; DR. HOWARD FARMER, '37, St. Johnsbury; DR. JAY E. KELLER, '40, Burlington.

Obituary Committee—DR. C. A. NEWHALL, '28, Burlington; DR. WILLIAM FAGAN, '48, Burlington; DR. DOUGLAS LINDSAY, '37, Montpelier.
THE DEPARTMENTS IN THE COLLEGE OF MEDICINE

THE DEPARTMENT OF ANATOMY

Professor of Anatomy: NEWHALL (Chairman).
Professor of Histology and Embryology: DUNIHUE.
Associate Professor of Anatomy: STULTZ.
Instructor in Histology and Embryology: W. CHAMBERS.

This Department is concerned with teaching undergraduate students the fundamental morphology of the human body correlated with function. In addition, its research projects are concerned with the histology of the kidney in relation to pressor and depressor substances, the developmental mechanics of the vertebrate nervous system and limbs, the investigation of certain anomalies, the electro-physiological investigation of cerebellar nuclei, and a study of the nutritional status of residents of the northeast area.

Staff members have enjoyed training and teaching experience at Yale, New York University, the Medical College of South Carolina, the Medical College of Georgia, the University of West Virginia, the University of Pittsburgh, the University of Wisconsin, Vanderbilt University, and the University of Pennsylvania. All staff members are full time in the Department of Anatomy.

The undergraduate teaching program provides for the microscopic study of tissues, dissection of the cadaver, identification of all of the more important structures of the human body utilizing a complete series of cross sections, surface studies and interpretations of radiograms.

First-year courses for medical students are given in histology (including embryology), gross anatomy and neuro-anatomy. In the second year, a one-semester course is given in surface and radiological anatomy. The facilities of the laboratory are available to interns, residents and nurses.

Anatomy is taught to x-ray technicians and work in histology leading to credit for a graduate degree other than the M.D. can be arranged. The members of the staff cooperate in extension activities for postgraduate physicians and the lay public.

Graduate Course

Prerequisite—permission of the Department Chairman.

201-202. Histology. First and second semesters. 5 credit hours each semester. Average of 10 hours of lecture, conference and laboratory each week. Study of cells, tissues and organs using routine and special technics.
The Department attempts to impart to undergraduate medical students a fundamental understanding of infectious disease processes and the response of the body to these diseases. The practical control of infectious disease through public health measures and agencies is surveyed. Attempts are made to indoctrinate the student with the concept that medical practice should embrace the prevention of disease, as well as its treatment. Research in virology and bacteriology is being carried on.

The educational program is conducted by three full-time and three part-time teachers. Five of these hold doctors' degrees and have received training and experience at Harvard, Yale, Ohio State, and the University of Vermont.

Bacteriology for undergraduate medical students is taught in the second year. The subject matter embraces a brief survey of the general biological aspects of bacteriology including essential techniques, a consideration of the principles of infection and the resistance of the body to disease, a study of the various infectious agents and their relation to disease processes. Immunology and serology are treated as integral parts of the course. Teaching is accomplished through lectures and laboratory work.

Undergraduate preventive medicine and public health are taught in the second and fourth years. In the second year, lectures, demonstrations and field trips introduce the student to the subject and the organization and function of the various agencies concerned with the health of the community. Methods used to control the spread of communicable disease and problems relating to the overall health and general well-being of the population are considered in this course.

In the fourth year, 20 hours of conference are held with two groups of students during their 4-week services at the Burlington hospitals. These exercises deal with the natural history of disease as a basis for developing a preventive approach to disease control. Communicable disease, diseases of later life, long-term ill-
ness, and cancer, for example, are considered individually and in
detail. The structure and organization of medical care facilities
are analyzed. In addition, the clinical teaching program includes
the preventive aspects of disease. The students are assigned to the
home care service and develop a liaison with the Howard Family
Service Society, Visiting Nurses Association, and the Vermont As-
sociation for the Crippled. In addition, they come in contact
with the Vermont Tuberculosis Association and the various divi-
sions of the State Health Department.

The final fifteen-month period of the curriculum in medical
technology, described in the bulletin of the University of Ver-
mont, is under the supervision of this Department of the College
of Medicine and is devoted to clinical studies. Courses are given
at the College of Medicine and practical laboratory experience is
obtained in the laboratories at the Mary Fletcher Hospital.

Two courses are offered to students in the School of Dental
Hygiene. In their freshman year they are given a course in Bac-
teriology consisting of two hours of lectures and two 2-hour
laboratory periods per week during the spring semester. In the
spring semester of their second year they are given a course in
Public Health consisting of two hours of lectures per week.

The full-time staff participates in clinical activities at the lo-
cal hospitals. The Chairman has responsibility for the bacter-
iological laboratories at the Mary Fletcher Hospital and attends
clinical conferences.

Formal graduate study in bacteriology consists of the follow-
ing courses:

Graduate Courses

Prerequisite—permission of the Department Chairman.

201. Medical Bacteriology. First semester. 7 credit hours.

301. Special Problems in Bacteriology. Minor investiga-
tions in bacteriology designed to serve as an introduction to re-
search.

Prerequisite—Medical bacteriology or its equivalent. 2
credit hours.

302. Special Problems in Immunology. Minor investiga-
tions in immunology and serology designed to serve as an intro-
duction to research.

Prerequisite—Medical bacteriology or its equivalent. 2
credit hours.

381. Seminar. Attendance at the departmental seminar.
1 credit hour.
391, 392, 393, 394. Thesis Research.
Investigation of a research topic under the direction of an assigned staff member, culminating in an acceptable Master's thesis.
Prerequisite—Courses 301 and 302. Credit as arranged.

THE DEPARTMENT OF BIOCHEMISTRY

Professors of Biochemistry: PIERCE (Chairman), ROBERTSON (also Associate Professor of Experimental Medicine).
Associate Professors of Biochemistry: GJESSING, LAMDEN, SCHEIN, SIMS (also Associate Professor of Medicine).

The primary aim of the Department is to teach undergraduate students the subject material in biochemistry. Specific research is being conducted on human nutrition, protein metabolism as related to purines and pyrimidines, enzymes, connective tissue, endocrinology, growth factors and water and electrolyte balance.

The staff is made up of members who prior to coming to the University of Vermont have served as teachers and investigators at the University of Rochester, the University of Iowa, Yale, Massachusetts Institute of Technology, Cornell University and the National Cancer Institute. Two of the men have been certified by the American Board of Clinical Chemistry and one man by the American Board of Nutrition. Senior staff members belong to the usual professional societies in the fields of chemistry and medicine. There are six senior and six junior members. Two members have joint appointments with the Department of Medicine.

Medical biochemistry is taught to undergraduate medical students throughout their first year by means of lectures, conferences and laboratory. The work is integrated with that in physiology and anatomy so that systems, insofar as possible, are considered concurrently by the three disciplines. Exercises are conducted upon man and animal wherever feasible. A preceptor system exists in that the class is divided into five sections of ten to twelve students. Instructors of professorial rank meet with members of their groups to give assistance if needed. Members of the Department give lectures in other departments when the subject matter is related to biochemistry.

Courses in biochemistry are given to medical technologists, to students working for their baccalaureate degree in nursing, and to students in dental hygiene.

Members of the staff participate in clinical conferences in the local hospitals.
Graduate training includes the following:

**Graduate Courses**

*Prerequisite—Permission of the Department Chairman.*

201-202. *Medical Biochemistry*

The course is designed to afford students an insight into the chemical transformations which take place in the living body, with special reference to man. The topics discussed are enzymes, digestion, absorption, intestinal putrefaction and feces, respiratory and cellular metabolism, blood, urine, tissues, body fluids, water and electrolyte balance, internal secretions, foods, nutrition, vitamins. Laboratory work is largely quantitative, covering the above topics.

Lectures and conferences, *50 hours*, first semester; *50 hours*, second semester; laboratory, *60 hours* each semester. *5 credit hours each semester.*

301. *Enzymology*

The course will present a survey of enzymes including: classification, general properties and physical chemistry; methods of isolation, purification and assay; individual enzymes and their integration in biologic phenomena.

Lectures and seminars *2 x 1.5 hours per week*, laboratory *1 x 4 hours per week*, 15 weeks. Open to all properly qualified students. *5 credit hours.*

311-312. *Biochemical Preparations*

Students taking this course will synthesize and prepare from natural sources important biologic compounds. These substances may be subjected to chemical and physiological examination for identity and purity. With the assistance of the staff, the student will review the literature and choose suitable laboratory methods.

Laboratory, *4 hours per week*, 15 or 30 weeks. Offered either first or second semester. Open to all properly qualified students. *2 credit hours per semester.*

321, 322. *Food and Nutrition*

Topics to be discussed will include composition of foods, processing and preservation of foods, the nutrition problem as it exists locally and throughout the United States, functions and requirements of dietary components and nutrition in health and disease.

Lectures and seminars, *2 x 1 hour per week*. Offered either first or second semester. Open to all properly qualified students. *2 credit hours.*

351. *Intermediary Metabolism*

Lectures and seminars dealing with current concepts of the internal transformations of amino acids, carbohydrates and lipids. Methods of investigating intermediary metabolism are evaluated.
Among the topics discussed are: dynamic state of the body constituents, application of isotopes to the study of metabolic pathways, and the integration of the metabolism of the proteins, carbohydrates and lipids.

This course is presented in cooperation with the Division of Experimental Medicine. Open to all properly qualified students.

Lectures and seminars. 2 x 1.5 hours per week. 1st semester. Laboratory 1 x 4 hours per week. 5 credit hours.

361. Vitamins in Metabolism

A study of the absorption, availability and biosynthesis of vitamins, the role of vitamins in intermediary metabolism, vitamin interrelationships, vitamin-hormone interrelationships, analogs and antivitamins, avitaminoses in man and animal, and vitamin requirements.

Laboratory experiments are designed to give experience in chemical, biological and microbiological assay methods.

Lectures and seminars, 2 x 1.5 hours per week. Laboratory, 1 x 4 hours per week. 1st semester. Open to all properly qualified students. 5 credit hours.

371. Physical Biochemistry

Topics to be discussed will be concerned largely with proteins and the methods and tools used in their investigation. The course will include protein interaction, solubility and fractionation, electrophoresis, sedimentation, phase rule study, diffusion, viscosity and spectrophotometry. In addition, recent methods for analyses of proteins such as column and paper chromatography and counter current distribution will be discussed.

Lectures and seminars 2 x 1 hour per week. Open to all properly qualified students. 2 credit hours.

382. Seminar

This course is designed to review recent developments and current literature in the various fields of Biochemistry and is presented in cooperation with the Department of Medicine.

1 x 1 hours per week. 2nd semester. Hours to be arranged. Open to all properly qualified students. 1 credit hour.

391, 392, 393, 394. Thesis Research

Investigation of a research topic under the direction of an assigned staff member, culminating in an acceptable Master's thesis.

Prerequisite—Bachelor's degree in Chemistry. Credit as arranged.
A department of medicine must accept the general opinion of medical educators, that medicine constitutes the central core of teaching, especially in the last two years. From this core the specialities grow. With this concept in mind, the Department has been built on a broad base. Members of the Department are highly trained in the broad field of internal medicine, and most have additional training in some specific aspect of this field. Many of the members maintain intimate contact with one of the basic science departments. This arrangement tends to bridge the gap between preclinical and clinical instructors.

It is accepted that a well-balanced department, capable of training physicians adequately must have personnel, space, and equipment. Such a department must teach, do research, and care for patients. A balance should result in understanding the disease process; its pathology, patho-physiology and biochemistry. This information must be transferred as completely and accurately as possible to the student. The information thus gained, when applied to a given patient, should indicate the proper steps for treatment and thus result in the proper care of the patient, which is the ultimate goal.

The staff of the Department numbers thirty-three. Staff members are carefully chosen and are certified by their respective Boards. The Junior men are either members of, or eligible for their Boards. Investigation is being done in renal, pulmonary and cardiac function, both in health and disease.

* Markle Foundation Scholar in Medical Science.
** Resigned as of January 15, 1956.
An integral part of the Department is a well-equipped cardio-pulmonary laboratory which is supported by the College of Medicine, the Vermont Heart Association, the Vermont Tuberculosis and Health Association and the Mary Fletcher Hospital. Its Director is a full-time member of the Department.

Students begin their intimate contact with members of the Department in their second year. They are given an introductory course in clinical medicine in conjunction with the teaching of history-taking and physical diagnosis. Many hours are spent with patients under the close supervision of members of the Department.

During the third year students serve as clinical clerks. Most of the teaching during this period is at the bedside but supplemented by conferences and lectures. An opportunity for original investigation is offered all students.

The fourth-year students are taught through the medium of outpatient clinics, sanatoria, and the patients' homes. It is hoped that the student will be exposed to total patient care.

A fully-approved intern and resident training program is maintained, the latter serving to fulfill the necessary training to qualify for the American Board of Internal Medicine.

The weekly departmental conferences are attended not only by students, house staff, and members of the Department, but by many physicians throughout the state.

**DIVISION OF DERMATOLOGY**

*Professor of Dermatology:* Daly (Chairman).
*Assistant Professor of Clinical Dermatology:* Flower.

Instruction is given to medical students in the fundamentals of diseases of the skin and syphilis. The Division also teaches student nurses. Consultation service in dermatology and syphilology is provided for both hospital and ambulatory patients in the state. A clinic is maintained for the indigent of the city by the staff of this Division. Staff members represent the University in professional dermatologic associations and speak on topics in their field before various organizations in the state.

Both members of the staff are diplomates of the American Board of Dermatology and Syphilology, Fellows of the American Academy of Dermatology and Syphilology, and of the Montreal and New England Dermatological Societies. Both staff members are part-time personnel.
Beginning in the academic year 1953-54, the Division adopted a program of instruction for third-year students in the offices of the members of the staff. Each student spends one full week on a preceptorial basis in the office of one of the members of the staff, seeing a variety of dermatoses in the office surroundings in which such patients are customarily seen. This is supplemented by a small number of lectures on current dermatologic developments.

In the fourth year, teaching is carried on in groups of three or four students assigned to the Free Dispensary. Here, patients are seen in conjunction with both members of the staff and the entire procedure from diagnosis to treatment and follow-up is executed together by staff and students.

Intern teaching is incidental to visits to hospital patients either on the dermatologic service or those seen in consultation. No graduate courses are offered.

The Division participates regularly in graduate educational efforts at staff meetings, medical society meetings and refresher courses.

DIVISION OF EXPERIMENTAL MEDICINE

Professor of Experimental Medicine: RAAB (Chairman),
Associate Professors of Experimental Medicine: LEVESCHKIN, ROBERTSON (also Professor of Biochemistry)

The aims of the Division include stimulating among students and clinical staff a tendency to approach clinical questions in terms of their experimentally-established physiological background, and to contribute to the progress of clinical medicine by means of experimental techniques. The research activities of the Division concentrate on cardiovascular, neurovegetative and endocrine problems.

Aided by grants from the U. S. Public Health Service, the American Heart Association, the American Medical Association, and the U. S. Navy, several research problems are under way. For example: Assay of potentially cardiotoxic neurohormones in normal and pathological human hearts, and in animal hearts under experimental conditions; pressor and electrocardiographic reactivity to catecholamines during normal and toxemic pregnancy; hypercatacholemia in the uremic syndrome; analysis of exercise electrocardiogram; study of the U-wave and the ventricular gradient; electrocardiogram of the newborn; electrolyte distribution in the myocardium; influence of electrolytes on the electrocardiogram; metabolism of connective tissue.
The staff comprises an internist who is certified by the American Board of Internal Medicine and an electrocardiologist who is an established investigator of the American Heart Association. Both of these men are authors of recently published books related to their specialties. In addition, an associate professor who has a joint appointment with the Department of Biochemistry pursues an active research and teaching program.

A reprint library of cardiological literature is maintained by this Division.

Teaching of undergraduate students is confined to lectures, ward rounds, demonstration of electrocardiograms and phonocardiograms. In addition, the staff participates in clinical, clinico-pathological and correlation conferences, and arranges special courses in cardiology and endocrinology for graduates.

DIVISION OF NEUROLOGY

Professor of Neurology: SCHUMACHER (Chairman).
Assistant Professor of Clinical Neurology: MARTIN.

The primary function of the Division is to provide to undergraduate medical students instruction in the field of diseases of the nervous system. In addition, this relatively new Division is making active plans for research in the field of nervous system disease.

The undergraduate teaching program is spread over the second, third and fourth years. During the second year, the emphasis is on the techniques of examination, the common methods of eliciting and analyzing data, and training in neurological diagnosis. Didactic lectures are given in order to provide better understanding of and guidance in the carrying out of the neurological examination. Opportunity is provided to small groups of students for performance of a complete neurological examination on each other and on patients with nervous system disease.

During the third year several lectures are given to the entire class in order to provide broad orientation in the field of nervous system disease. No attempt is made to present didactically a series of individual disease syndromes. In addition, during the clinical clerkship on medicine, the student is assigned at regular intervals and in rotation all service patients admitted to the medical service with evidence of nervous system disease. These patients are presented by the students at the regular weekly neurological conference held for the clinical clerks on the floors of either the Mary Fletcher or DeGoesbriand Memorial Hospitals.
During the fourth year, instruction in neurology is confined essentially to participation in the work of the Neurology Outpatient Clinic. Each month a small group of students is assigned to the clinic, which meets once a week, and each student performs the complete neurological examination of a new patient. At this time the student is expected to record his complete diagnostic formulation and plan of management. The work is closely supervised and checked.

Interns obtain training by rotation through the neurological service at the Mary Fletcher and the DeGoesbriand Memorial Hospitals. Rounds and conferences take place, at which selected diseases of the nervous system are presented.

The activities of the chairman of the Division of Neurology include talks before hospital staff groups and at state or regional society meetings. The staff of the Vermont State Hospital at Waterbury is provided instruction through this Division. In addition, the chairman participates in the clinics sponsored by the Vermont Association for the Crippled, including Speech and Hearing Clinics and Cerebral Palsy Clinics. He is on the Medical Advisory Committee of this group and serves as neurological consultant. He is on the Executive Committee and Medical Advisory Board of the National Multiple Sclerosis Society, and participates actively in the work of this group. In addition, he serves as Chairman of the Medical Advisory Committee of the Vermont Chapter of the National Multiple Sclerosis Society.

DIVISION OF PEDIATRICS

Professor of Pediatrics: MCKAY (Chairman).
Associate Professors of Clinical Pediatrics: P. CLARK, CORLEY, SUSSMAN.
Instructors in Clinical Pediatrics: CORBIN, D. MORROW.

The Division of Pediatrics directs its teaching to medical students and attempts to improve the standards of pediatric practice, particularly among general practitioners in Vermont. In addition, research projects are under way, all in the field of heart disease in children.

The staff consists of a full-time chairman, five part-time clinical teachers, and three resident physicians.

Orientation lectures are given during the latter part of the second year. Each student has an eight-week clinical clerkship during the third year and participates in three outpatient clinics weekly during twelve weeks of the fourth year. Additional pediatric experience is gained during the fourth year through participa-
tion in a home care program, a preceptorship with a general practitioner in a rural area and a clerkship in a selected community hospital. The Division takes the responsibility for pediatric training of rotating interns and pediatric residents in the Burlington hospitals.

Members of the Division participate in two refresher courses each year and speak on invitation to county medical societies and numerous lay groups interested in health problems of children. A weekly pediatric conference is open to practitioners.

DIVISION OF PSYCHIATRY

Professor of Psychiatry: CHITTICK (Chairman).
Associate Professor of Clinical Psychiatry: YOUNG.
Assistant Professor of Clinical Psychiatry:
Instructors in Clinical Psychiatry:
Instructor in Clinical Psychology: STEPHENSON.
Social Worker: BROOKS, CARON, COHEN, FOREST, MARSHALL, ELDRED, HOWE.

This Division provides the undergraduate student with a broad understanding of human behavior and reactions to various life situations which can be applied to normal people, as well as to those who may be mentally or physically sick. Close cooperation with the other departments of the College of Medicine characterizes the work of the Division.

The staff is composed of twelve members, four of whom are certified by the American Board of Psychiatry and Neurology. Two of the staff practice psychiatry privately and supervise the psychiatric outpatient clinics. Other members specialize in electroencephalography, psychiatric problems of children, psychological techniques, psychiatric social service and the care of patients in psychiatric hospitals.

The chairman is the Director of the Vermont State Hospital at Waterbury. Staff members have been trained at the Institute of Living in Hartford, the Menninger Clinic, the MacLean Hospital in Boston, and the Westchester Division of the New York Hospital.

The teaching program consists of courses in each of the four years. The first-year course considers problems of personality development, psychobiological relationships and mental mechanisms. The discussion method based on moving pictures which illustrate the problems under consideration is used.
The second-year course concerns itself with the application of the understanding of personality problems as they occur in patients suffering physical and mental disorders. Attention is given to the elicitation of information from the patient in order to gain an understanding of him as a person.

The third-year course is presented at the various hospitals associated with the College of Medicine, at which time patients who are in the hospital and assigned to students are considered. Psychoses, neuroses and the problems of childhood are all under discussion at this time.

During the fourth year, the students serve as clinical clerks at the Vermont State Hospital. The fourth-year students also work in the mental health clinic in Burlington.

A two-year residency in psychiatry at the Vermont State Hospital is approved by the American Medical Association and the American Board of Psychiatry and Neurology. This training program is conducted in cooperation with the Mary Fletcher Hospital and the faculty.

THE DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Associate Professors of Obstetrics and Gynecology: Maeck (Chairman), Slavin.
Assistant Professors of Obstetrics and Gynecology: Eastman, Gross.
Assistant Professor of Gynecology: McSweeney.
Assistant Professor of Clinical Obstetrics and Gynecology: B. Clark.
Instructors in Clinical Obstetrics and Gynecology: Boardman, Cannon, H. Pratt, Taber.

A thorough understanding of the basic science and principles, and an appreciation of the art of obstetrics and gynecology is the fundamental objective of this department. As the student progresses from college, to internship, to residency so is he given more problems and greater responsibilities. Teaching is directed to develop within the student the abilities to practice obstetrics as a family physician in this or in any other state. The additional training in the resident program fully qualifies a man for examination by the American Board of Obstetrics and Gynecology. The application of the student for fellowship while on the house staff level or beyond is encouraged.

Although postgraduate education is available in conferences, meetings, and lectures, a more fully developed and complete post-
graduate series is anticipated for the future. The members of the teaching faculty are all graduates of recognized institutions and they are all certified by the American Board of Obstetrics and Gynecology or are qualified for certification. Their institutions of training are represented by Columbia University College of Physicians and Surgeons; Sloane Hospital for Women; Cornell University Medical College and New York Lying-In Hospital; Lincoln Hospital; Woman's Hospital of the State of New York; Yale Medical School; and the associated hospitals of the University of Vermont College of Medicine.

An active research staff, with adequate laboratory facilities in the hospitals, is interested in the further investigation of basic obstetrical and gynecological problems particularly as they apply to this State. They are similarly devoted to the student who is interested in the way of scientific research. Past and present investigatory problems include those involving pelvic anatomy, the evaluation of specific drugs, renal function in pregnancy, endometrial hyperplasia, evaluation of treatment of endometrial malignancy in this community, and others. Members of the faculty work in close cooperation and serve as consultants to the State Department of Health. All faculty members are available for consultant services to physicians throughout the state at any and all times. Support for research projects has been obtained from the United States Public Health Service; National Research Council; Eaton Laboratories; Vermont State Cancer Society, and private bequests.

The residency program includes training in the associated hospitals of Burlington and one year at the Boston Lying-In Hospital for a total of four years. The latter year includes advanced training in the specialty and the opportunity for more active participation in the teaching program. All members of the attending staff at the associated hospitals are members of the faculty of the college of medicine.

Obstetrics is taught in the second semester of the second year by correlated didactic lectures. Gynecology and obstetrics are taught primarily in the third year. Classes are divided into four groups each with the department for a period of twelve weeks. Instruction is given in daily tutorial sessions, work in outpatient clinics, in-patients, and delivery rooms and is presented by all members of the department including the resident staff. The student is made to feel that he may take his problem to a member of the faculty soon after it arises for discussion and constructive criticism. The course is continued in the fourth year and consists primarily of outpatient clinic teaching with limited refresher ex-
perience in the delivery room and post partum wards during the
time that the student is assigned to the Burlington hospitals. In-
struction in ante partum care is given at the Elizabeth Lund Home
and a senior student is on call for deliveries at that institution.
Regular rounds, conferences, discussions, and seminars are held at
regular daily, weekly, or monthly intervals.
Examinations are held at the end of the semester in the
second year, at the end of each quarter in the third year, and at the
end of the second semester in the fourth year. Examinations
usually are combined oral and comprehensive written.

THE DEPARTMENT OF OPHTHALMOLOGY
AND OTOLARYNGOLOGY

Professor of Ophthalmology: CUNNINGHAM (Chairman).
Assistant Professor of
Ophthalmology: TWITCHELL.

DIVISION OF OTOLARYNGOLOGY

Associate Professor of
Otolaryngology: R. MORROW (Chairman).
Assistant Professors of
Clinical Otolaryngology: LAWLOR, REED.

Teaching of all the aspects of ophthalmology and otolaryngology to undergraduate students is the primary aim of this Depart-
ment. In addition, the staff participates in the activities of the Vermont Association for the Crippled and the Divisions of the Blind and Vocational Rehabilitation of the State Health Depart-
ment.
Clinics are maintained at the Mary Fletcher and DeGoes-
briand Hospitals. Consultation duties are performed at hospitals in neighboring communities of Vermont and New York.
Members of the staff have trained at Massachusetts Eye and Ear Infirmary, Lakeside Hospital and Eye Institute of Columbia-
Presbyterian Hospital, St. Luke's Hospital, New York. The staff personnel are all part-time.
Ophthalmology and otolaryngology are taught in the second, third and fourth years by lectures, rounds, patient conferences and clinics. The use of visual aids is frequent.
A residency in Ophthalmology and Otolaryngology is main-
tained in which is offered a program of clinical training in all phases of these specialties, including broncho-esophagology, plus plastic and tumor surgery of this region.
Four members of the staff are certified by the American Board of Ophthalmology or Otolaryngology. Several of the department members are members of the New England Ophthalmology and Otolaryngology Society, the American Academy of Ophthalmology and Otolaryngology, and the American Broncho-Esophagological Association. Papers have been presented before the sectional and national societies. One member has been an Associate Examiner for the American Board of Ophthalmology.

THE DEPARTMENT OF PATHOLOGY AND ONCOLOGY

Professor of Pathology: COON (Chairman).
Associate Professors of Pathology: SPELMAN*, (also Lecturer in Medical Jurisprudence), STARK, WOLL**.
Assistant Professors of Pathology: BUTTLES, KORSON, WOODRUFF.
Instructors in Pathology: MENESES, ZAMAN.

Teaching, research, and service functions are effectively integrated into a single program by the staff members of the Department of Pathology. Proper balance among these various aspects of the Department's activities results in a well-rounded and balanced teaching program.

The second-year course in pathology introduces the student to the study of disease, emphasizing and correlating the functional with the structural changes which occur. The formal instruction is divided into general pathology in which problems of injury, inflammation, repair, and neoplasia are considered and into special pathology in which the diseases of the various organ systems are systematically studied. Extensive use is made of visual aids in the classroom and laboratory work. Study of fresh gross material from the teaching hospitals, attendance at autopsies, and use of museum specimens are integral parts of the course work. Certain aspects of forensic pathology are included in the curriculum; these are taught by the State Medical Examiner, who is a half-time member of the Department.

The instruction in the second-year course in clinical pathology is closely correlated with work in general and special pathology. This phase of the course is taught in conjunction with Dr. Richard Henry Saunders, Jr., Associate Professor of Medicine. The clinical pathology course is designed to acquaint the student with laboratory medicine, including the tests available in the clinical laboratory, the value and limitations of these tests, and the

* Resigned as of January 15, 1956.
** Resigned as of February 6, 1956.
Interpretation of results. Emphasis is placed on the clinical application of laboratory methods and the integration of the data obtained with other clinical findings. Hematology and parasitology are introduced in this phase of the course, as are techniques for examination of urine, gastric contents, cerebrospinal fluid, and other body fluids. Correlation with the course in general and special pathology is aided by “pooling” of the class periods of both courses. Instruction in the various phases of clinical pathology continues into the third and fourth years.

The teaching activities of the Department continue into the clinical years of the undergraduate curriculum as well as into the residency years. Students assigned to the various clinical services of the teaching hospitals meet at regular intervals with members of the Pathology Department for specialized instruction in conjunction with their clinical assignments. Clinico-pathological conferences are conducted twice monthly at the teaching hospitals.

Residency training in pathology is offered by the Department. This program is centered around the work in the teaching hospitals where training is given and experience obtained in the various aspects of tissue and clinical pathology. In addition, residents are encouraged to engage in research and to participate actively in the teaching programs.

Graduate Courses:

Prerequisite—Permission of Department Chairman.

301-302. General and Special Pathology

This is the course designed for second-year medical students. It does not include the course work in Clinical Pathology. It may be taken as a minor by graduate students who have proper prerequisite training.

Lectures and conferences, 55 hours, first semester; 45 hours, second semester; laboratory, 109 hours, first semester; 94 hours, second semester. 7 credit hours, first semester; 6 credit hours, second semester.

391, 392, 393, 394. Thesis Research.

Prerequisite—Courses 301 and 302. Credit as arranged.
THE DEPARTMENT OF PHARMACOLOGY

Professor of Pharmacology: D. SMITH (Chairman).
Associate Professor of Pharmacology: DRIVER.
Assistant Professors of Pharmacology: HANNA, MACMILLAN.
Instructor in Pharmacology: S. KAPLOW.

The pharmacology course for undergraduate medical students is taught throughout the second year in correlation with the course sequence of the Department of Pathology. The course considers a study of the basic mechanism of action of therapeutic agents, their pharmacological actions, their fate and toxicology. The course consists of lectures, medical motion picture teaching films, discussion groups, demonstrations, and laboratory exercises. Demonstrations and laboratory experiments in pharmacodynamics are designed to emphasize accurate observation, careful recording, and biological variations in drug action. Prescription writing and compounding are discussed by pharmacists.

Research laboratories are maintained for work in the fields of cardiovascular physiology and pharmacology, pharmaco-chemistry, histochemistry, and the pharmacology of the autonomic nervous system. An extensive research program (sponsored by the U. S. Air Force) for analysis of the effects of radiation upon biological functions is also in progress. Other research activities are sponsored by grants from the U. S. Public Health Service, and the Life Insurance Medical Research Fund.

Candidates for graduate study leading to the degree of Master of Science are encouraged by the Department. Facilities are available for properly qualified students and others for research either independently or in cooperation with members of the staff.

Graduate Courses

Prerequisite — Permission of Department Chairman.

301-302. Pharmacology

This is the course given in the medical curriculum, with such modifications for the individual graduate student as are required.

Lectures, conferences and demonstrations, 82 hours; laboratory, 80 hours. 8 credit hours.

391, 392, 393, 394. Thesis Research.

Investigation of an original research topic under the direction of a qualified staff member, culminating in an acceptable Master's thesis. Credit as arranged.
THE DEPARTMENT OF PHYSIOLOGY AND BIOPHYSICS

Professor of Physiology and Biophysics: SICHEL (Chairman).
Associate Professor of Physiology and Biophysics: A. CHAMBERS.
Assistant Professor of Physiology and Biophysics: WILSON.
Instructor in Physiology: WILLIAMS.
Associate in Biophysics: PETERSON (also Associate Professor of Clinical Radiology).

The aim of the Department is to facilitate the diffusion of physiological and biophysical knowledge particularly those phases which may be applied to medical practice and to clinical teaching and research. Current investigations in the Department concern the physiology and biophysics of cardiac contraction, respiratory control, intracellular clotting mechanisms, and hormonal effects at cellular and tissue levels.

The staff consists of four full-time faculty members and auxiliary personnel. These faculty members have doctorates from the University of Pennsylvania, New York University and Ohio State University. The senior members belong to nationally recognized societies in their fields.

The teaching to medical students aims to describe and explain function in the whole human organism and at the cellular, tissue, and organ levels. The approach is mainly biological and physical. Physiological principles fundamental to clinical medicine are examined on the basis of supporting experimental evidence. Instruction is given throughout the first year, mainly by means of lectures, laboratory classes and demonstrations. The laboratory work is of a quantitative nature wherever feasible, and in almost half of the experiments the student also acts as subject.

The graduate program is directed toward the candidate for the Master of Science degree. The courses and research program are restricted to the general fields of interest of the full-time faculty members.

Graduate Courses
Prerequisite—Permission of Department Chairman.
201-202. Physiology and Biophysics.

This is the course given in the medical curriculum, modified as required to meet the needs of individual graduate students.
Lectures and conferences, 64 hours, each semester; laboratory, 64 hours each semester. 6 credit hours each semester.
301, 302. **Special Problems in Physiology.**

This course, open to qualified students by arrangement with the staff, will cover various special problems by means of lectures, seminars and directed reading. *Hours to be arranged.*

311, 312. **Special Problems in Biophysics.**

This course, open to qualified students by arrangement with the staff, will include lectures, seminars and directed readings on current problems in biophysics and medical physics. *Hours to be arranged.*

391, 392, 393, 394. **Thesis Research.**

Investigation of a research topic under the direction of an assigned staff member, culminating in an acceptable Master's thesis. *Credit as arranged.*

**THE DEPARTMENT OF SURGERY**

*Professor of Surgery:* MACKAY (Chairman).

*Professor of Clinical Surgery:* REES.

*Associate Professors of Clinical Surgery:* GLADSTONE, TRUAX.

*Assistant Professor of Clinical Surgery:* J. W. BELL.

*Instructors in Surgery:* HAINES (Oncology), PAGE.

*Instructors in Clinical Surgery:* BARNEY, CAIN, CRANDALL, DEMPSEY, KELLER, LYNCH (Industrial), MCGILL, PACHE, SHEA, THABAULT.

The Department offers introductory training in disciplines, leading to a firm foundational knowledge of the science of surgery. It is planned that the personnel of the Department will play an active part in carrying out the programs of the Surgical Section of the Vermont State Medical Society, the regional and national meetings of the American College of Surgeons, the New England Surgical Society, and other related associations. Research and the writing of surgical literature is encouraged through the availability of the animal operating facilities, the medical library, and free exchange of ideas among department personnel. A monthly journal club, conducted by the junior members of the Department, with the supervision of the senior members, stimulates interest and criticism of current surgical literature and acts as an excellent supportive exercise for resident training. The training of surgical residents is an integrated part of the Department's work, such residents holding appointments in local hospitals and having their training integrated with the personnel of the undergraduate level under the direction of the junior and senior staff.
All senior members of the staff are American Board certified surgeons and Fellows of the American College. All junior members are either already certified or in the process of completing their qualifications. Fields of special interest are well represented, including surgery of the head and neck, chest, gastric and biliary tracts, gastro-intestinal surgery, and surgery of the colon and rectum, as well as peripheral vascular diseases and other fields. Eight individuals are geographically full-time, and other personnel, in outlying hospitals, are associated in their work in undergraduate teaching.

The science of surgery is introduced in the second-year course. The fundamental concepts of surgical practice are emphasized, including panel discussions, lectures, slide projection, and movie film presentations, as well as observation of patients.

In the third year, the undergraduate becomes intimately associated with patients through direct assignment, and individual supervision is given through a tutor, who is responsible for the students' comprehensive coverage of the basic subjects in surgery. This teaching is supplemented with department conferences, clinicopathological conferences, specialty conferences, panel discussions, ward rounds, and patient interviews. Examinations, which are oral and written, are given at the end of this period of instruction.

The material of the fourth year is presented primarily through outpatient and out-of-town affiliated hospital teaching. The student, to a greater extent, covers independent assignments as an individual in direct contact with individual patients, and the quality of his work is graded. He is allowed to attend staff department conferences where the entire staff debate the use of time-proven and new techniques in the surgical treatment of disease.

The Department concerns itself also with training personnel in the approved intern appointments of both local hospitals and their residency program, the latter being conducted jointly by the College of Medicine and the hospitals. The completion of this residency program leads to full qualification for admission to examinations by the American Board of Surgery and, indirectly, to experience completing qualification for fellowship in the American College of Surgeons.

Postgraduate courses are given in conjunction with other departments under the guidance of the Committee on Postgraduate Education.
DIVISION OF ANESTHESIOLOGY

Professor of Anesthesiology: ABAJIAN (Chairman).
Instructors in Clinical Anesthesiology: DENTE, MILLS.

The aim of this Division is to furnish anesthesia services encompassing the clinical work of both of the teaching hospitals associated with the University. The Divisional activities also extend their clinical services to the outlying hospitals on a consultant basis.

All members of the Division are certified by the American Board of Anesthesiology, and take an active part in the research program.

Undergraduate teaching consists of six lectures, given four times yearly, to the third year class of medical students, and periodically scheduled lectures in both the second and third years, as well as a number of invitation lectures in the Department of Pharmacology. The fourth year medical students are invited to attend the Anesthesiology Conferences which are held twice weekly. These conferences are primarily directed toward the resident training portion of the program. The resident training program consists of the appointment of five residents for a period of two years each, who rotate through both hospitals.

DIVISION OF NEUROSURGERY

Professor of Neurosurgery: DONAGHY (Chairman).
Associate Professor of Neurosurgery: WALLMAN.

The Division of Surgical Neurology exists for four main purposes: research, teaching, therapy of neurological conditions by surgical measures, and aid to all regional practicing physicians via the medium of consultation.

The staff consists of two full-time surgical neurologists and nurses trained in the care of patients with neurological disorders.

As much time as possible has been allotted to research. This program should be greatly expanded as rapidly as funds become available. Students may gain valuable experience in this program.

Third-year students meet in small clinical conferences during the quarter on surgery. Fourth-year students attend ward rounds, the neurosurgical outpatient clinic, neuropathological conferences, and assist at operations. Residency training is not available in this specialty.
Neurosurgical services are maintained in both local teaching hospitals.

The Department provides 24-hour consultation service throughout Vermont, northern New Hampshire and northeastern New York.

**DIVISION OF ORTHOPEDIC SURGERY**

*Associate Professor of Orthopedic Surgery:*

J. F. Bell, *Chairman.*

*Assistant Professors of Clinical Orthopedic Surgery:*

Kuhlman, Rust.

*Simpson.*

*Instructor in Clinical Orthopedic Surgery:*

Simpson.

*Bosworth.*

The aim of the Division is to promote the principles of orthopedic surgery on all levels of teaching, whether by organized instruction, rounds, and case work with students, interns and residents, or by conferences, consultation and formal presentations to doctors and other personnel concerned with health. The Division maintains an active interest in problems of orthopedic investigation and research and prefers to emphasize the application of orthopedic surgery to the practice of general medicine.

All four members of the faculty are certified by the American Board of Orthopedic Surgery and they hold membership in the American Academy of Orthopedic Surgeons. The members of this group are part-time.

Undergraduate teaching occurs in the second, third and fourth years and includes the presentation of orthopedic aspects of physical diagnosis, introduction to fractures, conferences, case material and lectures on material within the field of orthopedic surgery, and general orthopedic problems as encountered in the outpatient clinic.

Intern and resident teaching is carried out through rounds and personal contact regarding specific cases. No approved residences are available in this field.

Postgraduate training is effected through presentation at medical societies and cooperation with state rehabilitation and crippled children’s groups.
DIVISION OF RADIOLOGY AND PHYSICAL THERAPY

Professor of Radiology: SOULE (Chairman).
Associate Professors of Clinical Radiology: PETERSON (also Associate in Biophysics), VAN BUSKIRK.
Assistant Professors of Clinical Radiology: GUARE, ROSENSTEIN.
Instructors in Clinical Radiology: FOLEY, W. JOHNSTON, SAXBY, BANNISTER.

The Division of Radiology provides special services to local teaching hospitals and to community hospitals in central and northwestern Vermont. In addition, medical students, residents, nurses and x-ray technicians receive instruction by members of this Division.

Research projects include the development and design of a rotational x-ray therapy unit, (supported by grants from the National Cancer Institute), development of a method of brain tumor localization by the use of plane-scanning, blood volume studies, studies on the toxicity of kerosene, studies of certain developmental anomalies, studies of myocardial infarction, and methods of therapy in the treatment of hemangiomas.

Seven staff members work full time in radiology but none are full-time employees of the College of Medicine.

The teaching of radiology extends through the entire four years. In conjunction with the Department of Anatomy, lecture-demonstrations of the normal roentgen anatomy are given during the first year. In conjunction with the Department of Physiology, fluoroscopic demonstrations of the chest and alimentary tract are conducted at the teaching hospitals. During the latter part of the second year, students are given the principles of diagnostic and therapeutic radiology. Third-year students receive sectional instruction in film analysis. Third and fourth year students attend weekly radiology conferences.

A fully accredited residency program is available and utilizes the facilities of the College of Medicine and cooperating hospitals. Postgraduate education is accomplished by consulting visits to hospitals in the area and by participation in most of the teaching conferences of the College of Medicine.

DIVISION OF THORACIC AND CARDIAC SURGERY

Associate Professor of Clinical Surgery (Thoracic): MILLER (Chairman).

In general this Division concerns itself primarily with problems that pertain to the various structures located within the
thoracic cage. Severe chest wall injuries are also dealt with. Surgery has been playing an increasingly prominent part in the management of tuberculosis, and this Division handles this work for the State of Vermont. The Division does its own diagnostic endoscopy and works in close cooperation with the Division of Otolaryngology in the Department of Ophthalmology and Otolaryngology with regard to the management of foreign bodies.

The Thoracic Surgical Service at both of the major hospitals in Burlington is covered by this Division and active teaching programs are maintained throughout the year. The program is integrated with the general surgical residency so that all of the general surgical residents rotate through the Thoracic Surgical Service.

An active interest is maintained in research, and with the addition of another man in the Division in the next year it is hoped that more time can be given to this important work.

DIVISION OF UROLOGY

Associate Professor of Clinical Urology: Powell (Chairman).


The staff is composed of four members, as noted above. Three members are certified by the American Board of Urology and the fourth member is in the process of completing his examinations. All members are part-time, and all take an active part in the teaching program.

The teaching program is directed at the third and fourth years. Didactic lectures usually levelled at the third-year group, are largely supplemented by tutorial sessions with smaller groups, briefly reviewing and clarifying puzzling aspects of broad segments of material to be covered. Patient material is used to assist in this effort. Third and fourth-year teaching is carried out almost entirely in the hospital. Fourth-year students are particularly active on the wards and in the outpatient departments. They are occupied with patient study, weekly urological rounds, observation in cystoscopy and operating rooms.

Interns in both teaching hospitals are assigned both to urology and the other surgical specialties, and their time is divided as indicated by weight of patient material.

A three-year urological residency program is in effect at present and it is anticipated that this will be extended to a four-year program. At present there is a resident in the first and second years of that program.
SERVICES TO COMMUNITY AND STATE
RENDERED BY THE COLLEGE OF MEDICINE

A growing program of postgraduate or continuation education for the physicians of the state is conducted by the College of Medicine. The State Medical Society, the State Department of Health, the Vermont Cancer Society, the Vermont Heart Association and the Vermont Arthritis Association, the Mary Fletcher Hospital, and the DeGoesbriand Memorial Hospital all cooperate with the College in these endeavors.

The College of Medicine conducts a diagnostic tumor clinic in cooperation with the cancer division of the Vermont State Department of Health and the Mary Fletcher Hospital. The DeGoesbriand Memorial Hospital is also developing a tumor clinic.

Members of the faculty and staff of the College of Medicine conduct a home care program for the City of Burlington, operate the Free Dispensary, staff the outpatient departments in the two local hospitals and act as consultants to the Elizabeth Lund Home, the Children’s Home, St. Joseph’s Orphanage and the St. Joseph’s Home.

The Vermont Association for the Crippled and certain members of the College of Medicine operate a speech and hearing clinic and a clinic for cerebral palsied children. The students observe in these clinics.

The Department of Pathology, in addition to cooperating with the staffs of the local hospitals, performs tissue examinations for certain hospitals in the state.

The Department of Biochemistry carries out a limited number of specialized laboratory tests for hospitals in need of such services.

A few of the specialists on the staff of the College of Medicine serve as consultants in distant points in the state.

The Medical Library offers for the use of doctors in the state a bibliographic service and a loan service.

The Department of Pharmacology from time to time provides information to the doctors of the state especially concerning agricultural and industrial poisons.
PERSONNEL
COLLEGE OF MEDICINE
FACULTY AND OTHER OFFICERS

PROFESSORS EMERITI

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

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

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

THOMAS STEPHEN BROWN Professor Emeritus of Anatomy
M.D., University of Vermont, 1904.

WILLIAM EUSTIS BROWN Professor Emeritus of Preventive Medicine

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

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

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

CHARLES KIMBALL JOHNSON Professor Emeritus of Pediatrics
M.D., University of Vermont, 1899.

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

ELIZABETH KUNDERT Assistant Professor Emeritus of Clinical Psychiatry
B.S., University of Wisconsin, 1920; M.S., 1924; Women's Medical College of Pennsylvania, 1926.

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

HENRY LEE MILLS Instructor Emeritus in Public Health
D.V.M., Grand Rapids Veterinary College, 1911.

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

VIOLA RUSSELL Instructor Emeritus in Public Health
A.B., Vassar, 1913; M.D., University of Michigan, 1917.

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

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

CHARLES FLAGG WHITNEY Professor Emeritus of Biochemistry and Toxicology
B.S., University of Vermont, 1897; M.D., 1903; M.S., 1904.
PROFESSORS

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

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

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

FERDINAND JACOB MORRIS SICHEL  Professor of Physiology and Biophysics

ELLSWORTH LYMAN AMIDON  Professor of Medicine
B.S., Tufts College, 1927; M.D., University of Vermont, 1932; M.S. (Med.), University of Pennsylvania, 1938.

WILHELM RAAB  Professor of Experimental Medicine
M.D., University of Vienna, 1920; M.D., German University of Prague, 1926.

RUPERT ADDISON CHITTICK  Professor of Psychiatry
B.S., University of Nebraska, 1923; M.A., 1924; M.D., Harvard Medical School, 1929.

WALFORD TUPPER REES  Professor of Clinical Surgery
M.D., University of Vermont, 1924.

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

FRED W. GALLAGHER  Professor of Bacteriology
A.B., Western Reserve University, 1929; M.A., Ohio State University, 1936; Ph.D., 1939.

JOHN CHARLES CUNNINGHAM  Professor of Ophthalmology
A.B., University of Vermont, 1931; M.D., 1935.

JOHN ABAJIAN, JR.  Professor of Anesthesia
M.D., New York Medical College, 1937.

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

GEORGE ADAM SCHUMACHER  Professor of Neurology
B.S., Pennsylvania State College, 1932; M.D., Cornell, 1936.

CHESTER ALBERT NEWHALL  Professor of Anatomy
A.B., North-Western College, 1924; M.D. University of Vermont, 1928.

JOHN FIDLAR DALY  Professor of Dermatology
B.S., Knox College, 1926; M.D., University of Pennsylvania, 1930.

RAYMOND MADIFORD PEARDON DONAGHY  Professor of Neurosurgery
B.S., University of Vermont, 1933; M.D., 1936.

WILLIAM VAN Bogaert Robertson  Professor of Biochemistry and Associate Professor of Experimental Medicine
M.E., Stevens Institute of Technology, 1934; Ph.D., University of Freiburg, 1937.
GEORGE ANTHONY WOLF, JR.  Professor of Clinical Medicine
B.S., New York University, 1936; M.D., Cornell, 1941.

DURWOOD JAMES SMITH  Professor of Pharmacology
A.B., Syracuse, 1938; M.D., 1941.

ROBERT JAMES MCKAY, JR.  Professor of Pediatrics
A.B., Princeton, 1939; M.D. Harvard, 1943.

ROBERT WILLIAM COON  Professor of Pathology
B.S., North Dakota State College, 1942; M.D., University of Rochester 1944.

ASSOCIATE PROFESSORS

ROBERT BASCOM AIKEN  Associate Professor of Preventive Medicine
Ph.B., University of Vermont, 1931; M.S., 1933; M.D., 1937; M.P.H., Harvard, 1948.

SINCLAIR TOUSEY ALLEN, JR.  Associate Professor of Medicine
B.A., Williams College, 1936; M.D., Harvard, 1940.

JOHN FRYE BELL  Associate Professor of Orthopedic Surgery
A.B., Yale, 1931; M.D., Harvard, 1935.

JOHN HARDESTY BLAND  Associate Professor of Clinical Medicine
A.B., Earlham College, 1939; M.D., Jefferson Medical College, 1943.

ALFRED HAYES CHAMBERS  Associate Professor of Physiology and Biophysics
A.B., Swarthmore, 1936; Ph.D., University of Pennsylvania, 1942.

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

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

ROBERT LEE DRIVER  Associate Professor of Pharmacology
B.S., University of Tennessee, 1936; M.S., 1937; Ph.D., University of Rochester, 1940; M.D., University of California, 1948.

ERLAND CHENEY GJESSING  Associate Professor of Biochemistry
B.S., Copenhagen, 1936; M.S., Michigan State, 1938; Ph.D., Cornell, 1942.

ARTHUR GLADSTONE  Associate Professor of Clinical Surgery
B.S., University of Vermont, 1928; M.D., 1931.

MERTON PHILIP LAMDEN  Associate Professor of Biochemistry
B.S., University of Massachusetts, 1941; Ph.D., Massachusetts Institute of Technology, 1947.

EUGENE LEPESCHKIN  Associate Professor of Experimental Medicine
M.D., University of Vienna, 1939.

JOHN VAN SICKLEN MAECK  Associate Professor of Obstetrics and Gynecology
B.S., University of Vermont, 1936; M.D., 1939.

DONALD BARKER MILLER  Associate Professor of Clinical Surgery (Thoracic)
A.B., Johns Hopkins, 1938; M.D., 1942.
RUFUS CLEGG MORROW, JR. Associate Professor of Otolaryngology
B.S., Davidson College, 1934; M.D., Duke, 1939.

OSCAR SYLVANDER PETERSON, JR. Associate Professor of Clinical Radiology and Associate in Biophysics
M.D., University of Vermont, 1936.

PLATT RUGAR POWELL. Associate Professor of Clinical Urology
B.S., University of Vermont, 1936; M.D., 1939.

RICHARD HENRY SAUNDERS, JR. Associate Professor of Medicine and Marlhe Foundation Scholar in Medical Science
B.A., University of Richmond, 1939; M.D., University of Rochester, 1943.

ARNOLD HAROLD SCHEIN. Associate Professor of Biochemistry
B.S., College of the City of New York, 1936; Ph.D., University of Iowa, 1943.

ETHAN ALLEN HITCHCOCK SIMS Associate Professor of Medicine and Clinical Biochemistry
B.S., Harvard, 1938; M.D., College of Physicians and Surgeons, Columbia University, 1942.

WILLIAM JOSEPH SLAVIN, JR. Associate Professor of Obstetrics and Gynecology
B.S., University of Vermont, 1933; M.D., 1935.

JOSEPH WORCESTER SPELMAN Associate Professor of Pathology and Lecturer in Medical Jurisprudence
B.S., Yale, 1941; M.D., 1944.

ERNEST STARK Associate Professor of Pathology
B.S., Columbia, 1933; M.D., Long Island, 1939.

WALTER ALVA STULTZ Associate Professor of Anatomy
A.B., Acadia, 1927; Ph.D. Yale, 1932.

RALPH DANIEL SUSSMAN Associate Professor of Clinical Pediatrics
B.S., University of Vermont, 1935; M.D., 1938.

CHRISTOPHER MARLOWE TERRIEN Associate Professor of Clinical Medicine
M.D., University of Vermont, 1936.

KEITH FRANK TRUAX Associate Professor of Clinical Surgery
B.S., University of Vermont, 1928; M.D., 1931.

HIRAM EUGENE UPTON Associate Professor of Clinical Medicine
B.S., St. John's College, 1924; M.D., University of Maryland, 1927.

FREDERICK WILLIAM VAN BUSKIRK. Associate Professor of Clinical Radiology
A.B., University of Pennsylvania, 1930; M.D., 1933.

LESTER JULIAN WALLMAN Associate Professor of Neurosurgery
A.B., Yale, 1934; M.D., 1938.

**EPHRAIM WOLL Associate Professor of Pathology
B.S., Creighton, 1938; M.D., 1942.

WILLIAM GREENHILL YOUNG Associate Professor of Clinical Psychiatry
M.D., University of Toronto, 1930.

* Resigned as of January 15, 1956, to become Medical Examiner for the City of Philadelphia.

** Resigned as of February 6, 1956.
<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Education</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAMES HENRY BANNON</td>
<td>Assistant Professor of Clinical Medicine</td>
<td>M.D., C.M., McGill, 1940.</td>
</tr>
<tr>
<td>JOHN WILLIAM BELL</td>
<td>Assistant Professor of Clinical Surgery</td>
<td>B.S., University of Washington, 1942; M.D., Northwestern, 1945.</td>
</tr>
<tr>
<td>JEAN BULLOCK</td>
<td>Assistant Professor of Medical Social Service</td>
<td>B.S., Akron, 1947; M.S., Western Reserve, 1949.</td>
</tr>
<tr>
<td>ROY VEDDER BUTTLES</td>
<td>Assistant Professor of Pathology</td>
<td>B.S., University of Vermont, 1937; M.D., 1940.</td>
</tr>
<tr>
<td>BENJAMIN FRANKLIN CLARK</td>
<td>Assistant Professor of Clinical Obstetrics and Gynecology</td>
<td>B.S., University of Vermont, 1930; M.D., 1933.</td>
</tr>
<tr>
<td>OLIVER ROLFE EASTMAN</td>
<td>Assistant Professor of Obstetrics and Gynecology</td>
<td>B.S., University of Vermont, 1935; M.D., 1938.</td>
</tr>
<tr>
<td>ARTHUR HOWARD FLOWER, JR.</td>
<td>Assistant Professor of Clinical Dermatology</td>
<td>A.B., Heidelberg, 1938; M.D., Duke, 1942.</td>
</tr>
<tr>
<td>STANLEY JOSEPH GROSS</td>
<td>Assistant Professor of Obstetrics and Gynecology</td>
<td>B.S., Yale, 1946; M.D., College of Physicians and Surgeons, 1950.</td>
</tr>
<tr>
<td>HOWARD THEODORE GUARE</td>
<td>Assistant Professor of Clinical Radiology</td>
<td>M.D., University of Vermont, 1934.</td>
</tr>
<tr>
<td>CALVIN HANNA</td>
<td>Assistant Professor of Pharmacology</td>
<td>B.S., University of Illinois, 1949; M.S., State University of Iowa, 1950,</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ph.D., 1953.</td>
</tr>
<tr>
<td>ELBRIDGE EUGENE JOHNSTON</td>
<td>Assistant Professor of Clinical Medicine</td>
<td>M.D., University of Vermont, 1936.</td>
</tr>
<tr>
<td>FRIEDRICH WILHELM KLEMPERER</td>
<td>Assistant Professor of Clinical Medicine</td>
<td>M.D., University of Freyburg, 1932.</td>
</tr>
<tr>
<td>ROY KORSON</td>
<td>Assistant Professor of Pathology</td>
<td>A.B., University of Pennsylvania, 1943; M.D., Jefferson, 1947.</td>
</tr>
<tr>
<td>RAYMOND FRANK KUHLMANN</td>
<td>Assistant Professor of Clinical Orthopedic Surgery</td>
<td>B.A., University of Wisconsin, 1936; M.D., Washington University, 1939.</td>
</tr>
<tr>
<td>MORRIS WILLIAMS LAMBIE</td>
<td>Assistant Professor of Clinical Medicine</td>
<td>B.S., Harvard, 1942; M.D., University of Rochester, 1946.</td>
</tr>
<tr>
<td>PETER PAUL LAWLOR</td>
<td>Assistant Professor of Clinical Otolaryngology</td>
<td>M.D., University of Vermont, 1920.</td>
</tr>
<tr>
<td>LEON ROBERT LEZER</td>
<td>Assistant Professor of Preventive Medicine</td>
<td>B.S., University of Vermont, 1939; M.D., 1942; M.P.H., Harvard, 1954.</td>
</tr>
<tr>
<td>WILLIAM HOOPER MACMILLAN</td>
<td>Assistant Professor of Pharmacology</td>
<td>A.B., McGill, 1948; Ph.D., Yale, 1954.</td>
</tr>
<tr>
<td>HERBERT LLOYD MARTIN</td>
<td>Assistant Professor of Clinical Neurology</td>
<td>B.S., Boston University, 1947; M.D., 1950.</td>
</tr>
</tbody>
</table>
INA MAXSON. Assistant Professor of Medical Technology and Assistant in Clinical Pathology
B.S., Battle Creek College, 1926; M.S., Michigan State College, 1934.

*KARL CORNELIUS McMAHON. Assistant Professor of Clinical Otolaryngology
B.S., University of Vermont, 1919; M.D., 1922.

EDWARD DOUGLAS MCSWEENY. Assistant Professor of Gynecology
A.B., University of Vermont, 1919; M.D., 1922.

HAROLD EDWARD MEDIVETSKY. Assistant Professor of Clinical Medicine
B.S., University of Vermont, 1929; M.D., 1932.

CHARLES HENRY OKEY. Assistant Professor of Bacteriology
A.B., Arkansas State College, 1936; M.S., University of Tennessee, 1943; Ph.D., Yale, 1950.

JAMES JOSEPH WALSH RALEIGH. Assistant Professor of Clinical Medicine
M.D., Long Island, 1939.

ELMER MCCREADY REED. Assistant Professor of Clinical Otolaryngology
B.S., Allegheny, 1932; M.D., Jefferson Medical College, 1936.

JOSEPH ROSENSTEIN. Assistant Professor of Clinical Radiology
A.B., University of Michigan, 1938; M.D., University of Lausanne (Switzerland), 1942.

CHARLES BRUSH RUST. Assistant Professor of Clinical Orthopedic Surgery
M.D., University of Vermont, 1939.

CHARLES WATTLES STEPHENSON. Assistant Professor of Clinical Psychiatry
A.B., Williams, 1919; M.D., Harvard, 1922.

CHARLES IVES TAGGART. Assistant Professor of Oral Hygiene and Dental Medicine
D.M.D., Tufts Dental School, 1921.

MARTIAL COLEMAN TWITCHELL, JR. Assistant Professor of Ophthalmology
A.B., Williams, 1934; M.D., Harvard, 1938.

ALBERT Foberg Wessen. Assistant Professor of Medical Sociology
A.B., Yale, 1948; M.A., 1949; Ph.D., 1951.

WALTER LEROY WILSON. Assistant Professor of Physiology and Biophysics
B.S., State Teachers College, West Chester, Pa., 1940; Ph.D., University of Pennsylvania, 1949.

RICHARD S. WOODRUFF. Assistant Professor of Pathology
B.A., Yale, 1922; M.D., C.M., McGill, 1928.

VISITING STAFF

DAVID MARSH BOSWORTH. Consultant in Orthopedic Surgery
A.B., University of Vermont, 1918; M.D., 1921.

THOMAS WRIGHT MOIR CAMERON. Visiting Professor of Tropical Medicine

*Deceased March 2, 1955
INSTRUCTORS

RICHARD WALKER AMIDON . Instructor in Clinical Medicine
B.S., University of Vermont, 1941; M.D., 1943.

RALPH BANNISTER . Instructor in X-Ray Technique

BERNARD BENJAMIN BARNEY . Instructor in Clinical Surgery
B.S., University of Vermont, 1941; M.D., 1943.

JOHN DOUGLAS BOARDMAN . Instructor in Clinical Obstetrics
A.B., Holy Cross, 1945;
M.D., University of Vermont, 1948.

RICHARD EMILE BOUCHARD
M.D., University of Vermont, 1949; M.S., 1951.

BERNARD BENJAMIN BARNEY . Instructor in Clinical Surgery
D.S., University of Vermont, 1941; M.D., 1943.

JOHN DOUGLAS BOARDMAN . Instructor in Clinical Obstetrics and Gynecology
A.B., Holy Cross, 1945;
M.D., University of Vermont, 1948.

RICHARD EMILE BOUCHARD
Instructor in Medicine

MARVIN JOHN CANNON . Instructor in Clinical Obstetrics and Gynecology
B.S., University of Vermont, 1943; M.D., 1945.

MAURICE RAYMOND CARON . Instructor in Clinical Psychiatry
A.B., St. Michael's, 1930; M.D., University of Vermont, 1936.

WILLIAM FRANKLIN CHAMBERS . Instructor in Histology and Embryology
A.B., University of West Virginia, 1945;
M.S., 1946; Ph.D., University of Wisconsin, 1952.

JULIUS GEORGE COHEN . Instructor in Clinical Psychiatry
B.S., University of Vermont, 1942; M.D., 1945.

DOROTHY BLACK CORBIN . Instructor in Clinical Pediatrics
B.S., Simmons, 1932; M.D., Tufts 1939.

ALBERT JAMES CRANDALL . Instructor in Clinical Surgery
B.S., University of Vermont, 1930; M.D., 1933.

WILLIAM STEPHEN DEMPSEY . Instructor in Clinical Surgery
A.B., Holy Cross, 1937; M.D., University of Vermont, 1941.

GINO ALDO DENTE . Instructor in Clinical Anesthesia
M.D., University of Vermont, 1941.

DONALD MERRITT ELDRED . Instructor in Clinical Psychology
A.B., Oberlin, 1931; A.M., Columbia, 1942.

LOUIS WILLIAM ESPOSITO . Instructor in Clinical Urology
B.S., University of Notre Dame, 1931;
M.D., Johns Hopkins University, 1935.

WILLIAM THOMAS FAGAN, JR. . Instructor in Clinical Urology
B.S., University of Vermont, 1945; M.D., 1948.

JOSEPH CLAYTON FOLEY . Instructor in Clinical Radiology
B.S., Middlebury, 1939; M.A., New York State College, 1940;
M.D., University of Vermont, 1949.
J. LOUIS PHILIPPE FOREST  Instructor in Clinical Psychiatry  A.B., University of Montreal, 1920; M.D., 1925.

ERALD FAIRBANKS FOSTER  Instructor in Public Health  M.D., University of Vermont 1927.

ALDO GINO FRANCESCHI  Instructor in Clinical Urology  M.D., University of Vermont, 1933.

CARLETON RAYMOND HAINES  Instructor in Surgery (Oncology)  B.S., University of Vermont, 1941; M.D., 1943.

WILLIAM HERBERT JOHNSTON  Instructor in Clinical Radiology  B.S., University of Vermont, 1940; M.D., 1943.


JAY EDGAR KELLER  Instructor in Clinical Surgery  M.D., University of Vermont, 1940.

JOHN FREDERICK LYNCH  Instructor in Clinical Industrial Surgery  B.S., University of Vermont, 1931; M.D., 1934.


JAMES BISHOP MCGILL  Instructor in Clinical Surgery  B.S., University of Vermont, 1944; M.D., 1946.

JAVIER CAPETILLO MENESES  Instructor in Pathology  M.D., University of Mexico, 1950.

ERNEST LEE MILLS  Instructor in Clinical Anesthesia  B.S., University of Vermont, 1938; M.D., 1942.

DOROTHY JACKSON MORROW  Instructor in Clinical Pediatrics  B.S., Boston University, 1936; M.D., Tufts, 1940.

ROBERT EMMETT O'BRIEN  Instructor in Clinical Medicine  B.S., St. Michael's, 1942; M.D., University of Vermont, 1945.

HENRI LOUIS PACHE  Instructor in Clinical Surgery  B.S., University of Vermont, 1941; M.D., 1944.

HAROLD GORDON PAGE  Instructor in Surgery  B.S., University of Vermont, 1940; M.D., 1945.

HENRY LEWIS PRATT  Instructor in Clinical Obstetrics and Gynecology  B.S., University of Vermont, 1938; M.D., 1941.

WILLIAM ARTHUR PRATT  Instructor in Clinical Medicine  B.S., University of Vermont, 1941; M.D., 1943.

ROBERT NEWTON SAXBY  Instructor in Clinical Radiology  B.S., University of Vermont, 1937; M.D., 1941.

WILLIAM IRELAND SHEA  Instructor in Clinical Surgery  A.B., Holy Cross, 1936; M.D., University of Vermont, 1940.

JAMES EDWIN SIMPSON  Instructor in Clinical Orthopedic Surgery  B.S., University of Vermont, 1941; M.D., 1943.

BORYS SURAWICZ  Instructor in Medicine  M.D., Medical School, Wilno, Poland, 1939.
BURTON SAMUEL TABAKIN, Instructor in Medicine
A.B., University of Pennsylvania, 1943; M.D., 1947.

DAVID LATHAM TABER, Instructor in Clinical Obstetrics
and Gynecology
M.D., Long Island, 1946.

LOUIS GEORGE THABAUT, Instructor in Clinical Surgery
M.D., University of Vermont, 1930.

EDWARD LAWRENCE TRACY, Instructor in Public Health
B.S., University of Vermont, 1926.

GEORGE WILLIAM WELSH, Instructor in Medicine
B.A., Yale, 1942; M.D., Rochester, 1950.

MARTIN WESLEY WILLIAMS, Instructor in Physiology
A.B., Anderson, 1948; Ph.D., Ohio State, 1953.

HABIBUZ ZAMAN, Instructor in Pathology
B.S., M.B., Decca University, 1951.

RESIDENTS AND FELLOWS

RICHARD MACDONALD ADAMS, Resident in Surgery
B.S., Union, 1949; M.D., University of Vermont, 1953.

PRASANT KUMAR ADHIKARI, Resident in Medicine
B.S., Science College, Nagpur, India, 1946; M.D., Calcutta University, 1951.

EUGENE MODANO BEAUPRE, Fellow in Pathology
B.S., University of Vermont, 1954.

EDWARD HOBART BRAZELL, JR., Resident in Anesthesia
B.S., University of Florida, 1941; M.D., University of Vermont, 1953.

THEODORE AVERY COLLIER, Resident in Medicine
B.S., Beloit College, 1950; M.D., Cornell, 1954.

GEORGE HUBERT COLLINS, Fellow in Neurology
A.B., University of Vermont, 1949; M.D., 1953.

JOEL SERGIO CONTRERAS, Resident in Ophthalmology and
Otolaryngology
M.D., Nacional de Mexico, 1952.

PAUL EDWARD CORLEY, Resident in Radiology
B.S., University of Vermont, 1941; M.D., 1952.

ROBERT ISAAC DAVIES, Resident in Radiology
B.S., University of Vermont, 1949; M.D., 1953.

EVERETT LEE DAVIS, Resident in Obstetrics and Gynecology
B.S., University of Vermont, 1940; M.D., 1943.

RICHARD BRADLEY DAVIS, Resident in Medicine
M.D., State University of Iowa, 1953.

RAUL NICOLAS DEGASPERI, Resident in Pathology
M.D., University of Asuncion, Paraguay, 1951.

LEONIDE DERY, Resident in Obstetrics and Gynecology
B.A., College Jean de Brebeuf, 1939; M.D., University of Montreal, 1952.
MINORU FUKUDA
M.D., Kyusyu Imperial University, 1946.

JEROME GAUTHIER
M.D., University of Ottawa, 1954.

ANTONIO ISAIAS GERMAN
B.S., Normal School, Trujillo City, 1946;
M.D., University of Santo Domingo, 1952.

JOHN SHERWOOD HANSON

HARRY ELWIN HOWE

ROBERT JACOB HUNZIKER
A.B., University of Vermont, 1948; M.D., 1952.

KANWAL KISHORE KAPUR
B.S., Khalsa College, 1942;
M.B.B.S., King Edward Medical College (India), 1948.

OK KYUNG LEE
B.S., Seoul Woman's College, 1945; M.D., 1949.

PHILIP GARDNER MERRIAM
M.D., University of Vermont, 1940.

PATRICK GERARD MURPHY

GAETAN NOLIN
B.A., St. Mary's, 1945; M.D., University of Montreal, 1951.

EDWIN MATTSON PAXSON

RAYMOND WILLIAM PEPPARD
A.B., University of Maine, 1950; M.D., University of Vermont, 1953.

RAMON BELLINI PIMENTAL
B.S., Normal School, Trujillo City, 1946;
M.D., University of Santo Domingo, 1952.

BENJAMIN ALBERT RING
B.S., Bates, 1942; M.D., Tufts, 1946.

TRAVERS ROBBINS
M.D., University of Buffalo, 1952.

LAUNEY JONATHAN THOMAS, JR.
B.S., Emory, 1950; M.D., 1953.

LILIA MARGARITA URQUIZA
M.D., Havana University, 1953.

JOHN ANTHONY ZAGROBA
A.B., University of Vermont, 1949; M.D., 1953.
ASSOCIATES

RICHARD MACDONALD ADAMS Research Associate in Radiology
B.S., Union, 1949; M.D., University of Vermont, 1953.

LAWRENCE BERNARD AHRENS Research Associate in Pharmacology and Medicine
B.S., University of Vermont, 1948; M.D., 1951.

FRANCIS ARNOLD CACCAVO Clinical Associate in Surgery
A.B., Syracuse, 1940; M.D., University of Vermont, 1943.

HARRY LIVINGSTON COLOMBO Clinical Associate in Medicine
B.S., University of Vermont, 1935; M.D., 1938.

JOHN PATRICK CORLEY Clinical Associate in Medicine
A.B., Holy Cross, 1937; M.D., University of Vermont, 1943.

HARRY WARREN DANIELL Research Associate in Pharmacology

EDWARD ESAU FRIEDMAN Clinical Associate in Medicine
A.B., Norwich, 1942; M.D., University of Vermont, 1950.

WILLIAM HENRY HEININGER Clinical Associate in Medicine
M.D., University of Vermont, 1939.

HERMAN CONRAD HERRLICH Research Associate in Experimental Medicine
B.S., Rensselaer Polytechnic Institute, 1938; M.S., University of California, 1949; Ph.D., Northwestern, 1953.

DANIEL GERMAIN LAREAU Teaching Associate in Medicine
B.S., University of Vermont, 1949; M.D., 1952.

CEDRIC LLEWELLYN MATHER Teaching Associate in Medicine
A.B., University of Illinois, 1939; S.T.B., Berkeley Divinity School, 1942; M.D., University of Vermont, 1952.

JOHN HENRY MCCREA Clinical Associate in Medicine
B.S., University of Vermont, 1935; M.D., 1938.

MURDO GLENN MACDONALD Clinical Associate in Medicine
B.S., University of Vermont, 1948; M.D., 1951.

JOHN LOUIS SAIA Clinical Associate in Medicine
B.S., University of Vermont, 1931; M.D., 1934.

JANE THURLOW Research Associate in Pathology
B.S., University of New Hampshire, 1948; Ph.D., Rutgers, 1953.

LOUIS JOSEPH WAINER Clinical Associate in Medicine
B.A., McGill, 1929; M.D., 1933.

LIBRARIAN
MRS. JEAN HALLIDAY, B.A., M.A.

MEDICAL PHOTOGRAPHER
FRANCIS CHARLES MALLORY, Director of Medical Photography
THE UNIVERSITY OF VERMONT

SENIOR TECHNICIANS

JOHN CHARLES BOLDOSER ... Senior Technician in Pathology
DALLAS RICHARD BOUSHEY ... Senior Technician in Anatomy

NURSE

MRS. EDYTHE BARKER LADD, R.N. ... Dispensary Nurse

PHYSIOTHERAPIST

MRS. MARCIA MEANS WEBBER, B.S., C.P.T.

SOCIAL WORKER

SIBYL MERRIAM HOWE ... Social Worker
B.L.I., Emerson, 1934; M.S.S., Boston University, 1948.

ASSISTANTS

MRS. LEONA BESSEE, R.N. ... Research Assistant, Cardiopulmonary Laboratory
MARY BREEN ... Teaching Assistant in Clinical Pathology
B.S., University of Vermont, 1947.
ROBERT HOWARD CURRIER ... Teaching Assistant in Biochemistry
MRS. RHEA SALSBURG DORN ... Research Assistant in Pharmacology
A.B., University of Vermont, 1955.
WILDA ROMAYNE GIGEE ... Research Assistant in Experimental Medicine
A.B., Alfred University, 1939.
PATRICIA HELEN HARTE ... Teaching Assistant in Biochemistry
B.S., Trinity, 1954.
BETTY MAY LAGRANGE ... Research Assistant in Biochemistry
B.S., Cornell, 1952.
JANICE ELOISE LARRABEE ... Research Assistant in Physiology and Biophysics
B.A., University of Vermont, 1950.
EDWARD FREDERICK MERRILL ... Teaching Assistant in Biochemistry
B.S., University of Vermont, 1951.
BARBARA ALICE MOORE ... Teaching Assistant in Biochemistry
JEAN MARGARET RYAN ... Research Assistant in Pathology
B.S., University of Vermont, 1947.
MRS. FLORENCE SCHEIN ... Research Assistant in Pathology
B.A., State University of Iowa, 1941; M.S., 1942.
Cristina Elizabeth Schweiker, Research Assistant in Biochemistry
A.B., Middlebury, 1951; M.S., University of Vermont, 1955.

Dorothy Wingett Sears, Jr., Research Assistant in Medicine
B.S., Colby Junior College, 1944.

Yvonne K. Starczewska, Research Assistant in Experimental Medicine

Mrs. Louise Klump Tanner, Research Assistant in Pharmacology

Wing Morrison Woon, Research Assistant in Pathology (Photography)

Mrs. Susanne Zehl, Teaching Assistant in Biochemistry
GRADUATES—INTERNSHIP APPOINTMENTS
JUNE 1955

Nicholas George Alexiou, A.B.
George Washington University Hospital, Washington, D. C.
Robert Anthony Astone, A.B.
Harbor General Hospital, Torrance, Calif.
Richard Hubbard Bailey, B.S.
Beverly Hospital, Beverly, Mass.
Samuel Barrera, B.S.
Carney Hospital, Boston, Mass.
Bruce Andrew Becker, B.S.
Meadowbrook Hospital, Hempstead, N. Y.
George Bouras, B.S., M.S.
Cambridge City Hospital, Cambridge, Mass.
Peter Vero Bove, B.A.
Buffalo General Hospital, Buffalo, N. Y.
Edward Francis Bridges, B.A.
Hartford Hospital, Hartford, Conn.
Stanley Livingston Burns, Jr., A.B.
Hospital of the University of Pennsylvania, Philadelphia, Pa.
Richard Keith Clarke, B.S.
Worcester City Hospital, Worcester, Mass.
John Thomas Conroy, B.S.
Hartford Hospital, Hartford, Conn.
Ramon Sy-Juco de Jesus, B.S.
Bellevue Hospital (1st Surgical Division), New York
Paul Edward Demick, A.B.
Jackson Memorial Hospital, Miami, Florida
George Theodore Diamandopoulos, B.A.
New England Center Hospital, Boston, Mass.
Arthur Richard DiMambro, B.S.
Carney Hospital, Boston, Mass.
Timothy James Driscoll, Jr., B.S., M.S.
Syracuse Medical Center, Syracuse, N. Y.
John Richard Fitzgerald, B.S.
Mary Fletcher Hospital, Burlington
Henry Charles Forrester, B.S.
Beverly Hospital, Beverly, Mass.
Herbert Gershovitz, B.S.
Rhode Island Hospital, Providence, R. I.
Theodore Joseph Goodman, B.S.
Boston City Hospital, Boston, Mass.
Bernard Norman Gotlib, B.A.
Eastern Maine General Hospital, Bangor, Me.
Duane Edgar Graveline, (U. S. Air Force) 
Walter Reed Army Hospital, Washington, D. C.
Raymond Lewis Hackett, B.A. 
Colorado General Hospital, Denver, Colorado
Ernest Oliver Herreid, B.S. 
Jackson Memorial Hospital, Miami, Florida
George Frank Higgins, B.A. 
Mary Fletcher Hospital, Burlington
Walter Louis Hogan, B.S. 
St. Francis Hospital, Hartford, Conn.
Edward Suter Irwin, B.S., M.S., O.D. 
Glens Falls Hospital, Glens Falls, N. Y.
Eugene Donald Jacobson, B.A. 
Syracuse Medical Center, Syracuse, N. Y.
Victor Kaljot 
Mary Fletcher Hospital, Burlington
Marshall Gene London, A.B. 
Mary Fletcher Hospital, Burlington
Robert William McCauley, A.B. 
Mary Fletcher Hospital, Burlington
Arthur Joseph McPadden, Jr., A.B. 
St. Vincent’s Hospital, Bridgeport, Conn.
Robert Henry Mintzer, B.S. 
Edward J. Meyer Memorial Hospital, New York, N. Y.
Leo Richard Parnes, B.S. 
Boston City Hospital, Boston, Mass.
Edwin Oxman Polish, B.S. 
Graduate Hospital, Philadelphia, Pa.
Robert Lee Pratt, A.B. 
Syracuse Medical Center, Syracuse, N. Y.
Richard Benjamin Raynor, B.S. 
The Mount Sinai Hospital, New York, N. Y.
Arthur Urban Roberge, B.S. 
Chelsea Naval Hospital, Chelsea, Mass.
Albert Anthony Romano, A.B. 
Beverly Hospital, Beverly, Mass.
Richard Sumner Rosen, B.S., M.S. 
Boston City Hospital (III Surgical), Boston, Mass.
Robert Theodore Silvery, A.B., A.M. 
Cambridge City Hospital, Cambridge, Mass.
Stuart James Smith, A.B., M.ED. 
Mercy Hospital, Buffalo, N. Y.
Paul Giles Stevens, A.B. 
Queens Hospital, Honolulu, T. H.
Ronald Roger Striar, B.A. 
Baltimore City Hospital, Baltimore, Md.
Stanley Walzer, A.B. 
Bellevue Hospital (2nd Medical Division), New York, N. Y.
Arthur Sigmund Weissbein, A.B. 
Bellevue Hospital (2nd Medical Division), N. Y., N. Y.
PRIZES
JUNE 1955

CARBEE PRIZE
For greatest proficiency in the subject of Obstetrics
Stanley Livingston Burns, Jr., A.B.

WOODBURY PRIZES IN MEDICINE
For greatest proficiency in Clinical Work in senior year
Edwin Oxman Polish, B.S.
To the sophomore having the highest standing for two years of Medical Work
Barton Jerome Gershen, B.S.

LAMB FOUNDATION PRIZES
To the students showing greatest comprehension and appreciation of the Doctor-Patient Relationship
First: Leo Richard Parnes, B.S.
Second: Eugene Donald Jacobson, B.A.
Third: Richard Sumner Rosen, B.S., M.S.

ALPHA OMEGA ALPHA
National Honor Medical Society
Richard Hubbard Bailey, B.S.'
Ramon Sy-Juco de Jesus, B.S.
Herbert Gershovitz, B.S.
Stanley Walzer, A.B.
Herbert Irwin Goldberg, B.A.
FOURTH YEAR:

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marvin Charles Adams, B.A.</td>
<td></td>
<td>Orono, Me.</td>
</tr>
<tr>
<td>James Thurston Bailey, B.S., M.S.</td>
<td></td>
<td>Whitefield, N. H.</td>
</tr>
<tr>
<td>John Marshall Hopkins Barnard, B.A.</td>
<td></td>
<td>Gardiner, Me.</td>
</tr>
<tr>
<td>Laurence Metcalf Bixby, B.S.</td>
<td></td>
<td>Burlington</td>
</tr>
<tr>
<td>Douglas Mitchell Black, B.S.</td>
<td></td>
<td>Barre</td>
</tr>
<tr>
<td>William Stanton Burnett, A.B.</td>
<td></td>
<td>Williston</td>
</tr>
<tr>
<td>Elizabeth Ann Clark, B.S.</td>
<td></td>
<td>Burlington</td>
</tr>
<tr>
<td>Paul Joseph Driscoll, B.S.</td>
<td></td>
<td>Portsmouth, N. H.</td>
</tr>
<tr>
<td>Philip Edward Emerson, B.S., M.A.</td>
<td></td>
<td>Keene, N. H.</td>
</tr>
<tr>
<td>William Walter Frost, Jr., B.S.</td>
<td></td>
<td>Concord, N. H.</td>
</tr>
<tr>
<td>Ira Harold Gessner, A.B.</td>
<td></td>
<td>Hempstead, N. Y.</td>
</tr>
<tr>
<td>Herbert Irwin Goldberg, B.A.</td>
<td></td>
<td>Forest Hills, N. Y.</td>
</tr>
<tr>
<td>Ira Greifer, B.S.</td>
<td></td>
<td>Westfield, N. J.</td>
</tr>
<tr>
<td>Kenneth Ho, B.A.</td>
<td></td>
<td>Hongkong, China</td>
</tr>
<tr>
<td>Donald Edward Holdsworth, A.B.</td>
<td></td>
<td>Springvale, Me.</td>
</tr>
<tr>
<td>Fred Dewitt Holford, Jr., A.B.</td>
<td></td>
<td>Cooperstown, N. Y.</td>
</tr>
<tr>
<td>Joseph Ryan Kelly</td>
<td></td>
<td>Fair Haven</td>
</tr>
<tr>
<td>Frank Glasgow Lane, B.S.</td>
<td></td>
<td>Burlington</td>
</tr>
<tr>
<td>Hugh Sanford Levin, B.S.</td>
<td></td>
<td>Newport</td>
</tr>
</tbody>
</table>

Philip Levin, A.B. Burlington
Don Richard Lipsitt, B.A., M.A. Marion, Mass.
William Albert Long, B.S. Castleton
John Sarkis Manuelian, B.S. Quincy, Mass.
Joseph Edward Martin, B.A. Mexico, Me.
Robert Bernard McLaughlin, B.S. Florence
Edward Okun Springfield, Mass.
Mark Ira Pitman, B.S. Bayside, N. Y.
Joel Loren Rosenberg, B.S. Buelington
Donald Francis Shea, B.S. Bennington
Victor Albert Silberman, B.A. Danbury, Conn.
Saul Matthew Spiro, A.B. Burlington
James Ward Stackpole, B.A. Thomaston, Me.
John Richard Stenger, B.E., B.S. Winooski
Robert Lyons Sullivan, B.S. Schenectady, N. Y.
Kurt Weiss Burlington
James Colin White, B.A. Yonkers, N. Y.
John Burton Wilder, A.B. Presque Isle, Me.
Valery Worth Yandow (Mrs.), A.B. Nutley, N. J.
Harris Alfred Yandow, A.B. N. Ferrisburg

THIRD YEAR:

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>William Edward Allard, Jr. B.S.</td>
<td></td>
<td>Rutland</td>
</tr>
<tr>
<td>Dudley Moore Baker, B.A.</td>
<td></td>
<td>Brattleboro</td>
</tr>
<tr>
<td>Herbert Patterson Beam, A.B.</td>
<td></td>
<td>Burlington</td>
</tr>
<tr>
<td>Sanford Bloomberg, B.A., A.M.</td>
<td></td>
<td>Burlington</td>
</tr>
<tr>
<td>Edwin Merriman Brown, B.S.</td>
<td></td>
<td>Barton</td>
</tr>
<tr>
<td>James Donald Cherry, B.S.</td>
<td></td>
<td>Chatham, N. J.</td>
</tr>
</tbody>
</table>

Larry Coletti, A.B., M.S. Norwich, Conn.
John Edward Crisp, A.B. Nashua, N. H.
Alfred Dorn, B.A. Brooklyn, N. Y.
Jack Edwin Parnham, B.A. Burlington
Daniel George Fischer, B.A. Hamden, Conn.
John C. Fulmer Rye, N. Y.
Barton Jerome Gershien, B.S.  
**Burlington**

Archie Sidney Golden, B.A.  
**New Milford, Conn.**

Jerreld Gilbert Goldman, B.A., M.S.  
**Newark, N. J.**

Leonard William Halling, B.A.  
**Aurora, Ill.**

Patricia Anne Hoilman, A.B.  
**South Burlington**

Howard Smith Irons, B.A.  
**Bennington**

Philip Bernard Kaplan, B.A.  
**Bridgeport, Conn.**

Lennard Kreisler, B.S.  
**White Plains, N. Y.**

Denton Edward MacCarty, B.S.  
**Burlington**

Bruce Russell MacKay, A.B.  
**Sheldon Springs**

Peter Rolf Manes, B.A.  
**Bennington**

Mark Richard Margiotta, B.A.  
**Waterbury, Conn.**

Richard Noah Matus, B.S.  
**North Conway, N. H.**

**SECOND YEAR:**

Michael Wayne Abdalla, B.A.  
**Burlington**

Seymour Alpert, A.B., M.S.  
**Brooklyn, N. Y.**

Jaroslav Michael Bandera, B.A.  
**Glastonbury, Conn.**

Peter John Bartelloni, B.A.  
**Burlington**

Bernard Raymond Blais, B.S.  
**Winooski**

Bernard Gille Boucher, B.S.  
**Highgate Center**

Barbara Ellen Brunet, B.A.  
**Springfield, Mass.**

Edgar Jacob Caldwell III, B.S.  
**Derry, N. H.**

Laurence Chester Chase, B.A.  
**Littleton, N. H.**

Leslie Erwin Chusid, B.A.  
**Barre**

Roger Sherman Colton, A.B.  
**N. Tonawanda, N. Y.**

Neil George Diorio, B.S.  
**South Norwalk, Conn.**

Robert Gorman Dolan, B.S.  
**Walpole, Mass.**

David Eisen Doniger, B.A., M.S.  
**New York, N. Y.**

Thomas Craig McBride, B.A.  
**Chicago, Ill.**

Walter Francis Miner, A.B.  
**Akron, Ohio**

William Andrew O'Rourke, Jr., B.S.  
**Rutland**

Stuart Oster, B.A.  
**Brooklyn, N. Y.**

Carl Lee Perry, B.A.  
**Burlington**

Francis Lee Perry, B.S.  
**Rutland**

Edward Joseph Quinlan, B.A.  
**Bristol, Conn.**

Frank Joseph Schmerz, Jr., A.B.  
**Merchantville, N. J.**

John Alfred Schremly, Jr., A.B.  
**Rutland**

Joel Nathan Shepard, B.S.  
**West New York, N. J.**

William Meyer Soybel, A.B.  
**Hamden, Conn.**

Arnold Clifford Tays, B.A., D.D.S.  
**Merrifield, Minn.**

Hollis Norman Truax, B.A.  
**Burlington**

Donald Nicholas Zehl, B.A., M.S.  
**New Haven, Conn.**

Francis John Durgin, B.S.  
**Baldwin, N. Y.**

David Warren Fagell, B.A.  
**Brookline, Mass.**

Charles Pantaleon Gnassi, A.B.  
**Jersey City, N. J.**

Peter Ames Goodhue, B.A.  
**Fort Fairfield, Maine**

Norman Gootman, B.A.  
**New York, N. Y.**

Arnold Goran, B.A.  
**Brooklyn, N. Y.**

Daniel James Hanson, Jr., B.S.  
**Culais, Maine**

George Lawrence Hard, B.S.  
**Burlington**

Edward Treen Hare, Jr., B.S.  
**Burlington**

Daniel Arthur Hart, B.S.  
**Rutland**

Francis Markov Jackson, B.S.  
**Burlington**

George Galli Lucchina, B.S.  
**Barre**

Alvin Rees Midgley, Jr., B.S.  
**Burlington**

Maurice Edward Mongeon, B.S.  
**Winooski**
Robert Mullings O'Brien, B.S.
Rutland
Robert Harlee Perkins, A.B.
Rutland
Harvey Paul Rubin, B.A.
Waterbury, Conn.
Olin Dennis Samson, B.S.
Franklin
Kehnroth Schramm, A.B.
New Canaan, Conn.
Karl Heinz Shipman, B.A.
Townshend
Paul Stevens, B.A.
Waterfield, Me.
William Craigie Street, B.E.E.
Old Bennington
Carol Jane Sutherland, B.S.
Essex Junction

FIRST YEAR:

Patricia Ann Adams, B.S.
West Scarboro, Me.
Américo Bernard Almeida, B.S., M.S.
Fall River, Mass.
Randolph Chandler Blodgett, Jr., B.S.
Sutton, N. H.
Herbert Leo Bradley, A.B.
Manchester, N. H.
John Francis Burke, B.S.
Swampscott, Mass.
William Francis Cirro, B.S.
New Haven, Conn.
Garland George Corey, A.B.
Bare
Henry Eugene Curley, B.A.
South Portland, Me.
Lewis Robert Dan, B.A.
High View, N. Y.
James Arthur Daniellis Burlington
Howard Randall Deming, A.B.
St. Albans
Herbert James Deutsch, B.S.
Taunton, Mass.
Richard Joseph DiBella, B.S.
Newington, Conn.
Abraham Elliott Dorfman, A.B.
Biddoford, Me.
Robert Healy Elwell, A.B.
Bennington
George Joseph Feroleto, A.B., M.S.
Bridgeport, Conn.
Samuel Wentworth Goodwin, B.S.
Arlington, Mass.
Peter Jay Hamre, A.B.
North Weymouth, Mass.
Clifford Morris Herman, B.A., B.S.
Portsmouth, N. H

George Michael Tirone, Jr., B.A.
Rochester, N. Y.
John Paul Vian, B.A.
Burlington
Harold James Wallace, Jr., B.A.
Bennington
Norman George Wallace Springfield
Peter Burrowes Webber, B.A.
Portland, Me.
Ronald Orrin Weinraub, B.A.
Bronx, N. Y.
Melvin Leo Wiedman, B.A.
Burlington
Grace Armanda Wright, B.S.
Richford
Richard Michael Ziter, B.M., M.M.
Brattleboro

William Elwin Hodgkin, B.S.
Auburn, Maine
Leonard Samuel Kaplow, B.S., M.S.
Burlington
Paul Albert Lachance, B.S.
St. Johnsbury
Nance Jane Lefrancois, B.S.
Rutland
Arnold Manheim, B.A.
Burlington
George Mastras, B.A.
Middletown, Conn.
Norman Gerald Mireault, B.S.
Rochester, N. H.
Kenneth Allton Murdock, Jr.
Bradford
Normand Conrad Nepveu, A.B.
Nashua, N. H.
Judith Theresa O'Connor Vergennes
Joseph Francis John Palma, B.S.
Winsted, Conn.
Norman Gerard Pare, B.S.
Manchester, N. H.
Robert Clifton Parker, A.B.
Morristown
Peter Pan Parsons, B.A.
South Paris, Me.
Bernard Passman, A.B.
Portland, Me.
Henry John Ramini, Jr., B.A.
Meriden, Conn.
Fayette Cecil Root, B.A.
Williston
Murray Keith Rosenthal, A.B., A.M.
Arlington, Mass.
Harold Leon Rudman, B.S.
Springfield, Mass.
Theodore Philip Sanders, A.B.
Shoreham
Glenn Marvin Seager, Burlington
Jay Elliott Selcow, B.A.
Bayonne, N. J.
Robert Edward Sharkey, A.B.
Lakewood, R. I.
Harry Samuel Spaulding, B.S., M.S.
Waterbury
Stanley Irwin Stein, B.A.
Brooklyn, N. Y.
David Alan Stephens, B.A.
Burlington

Parker Allen Towle, B.A.
Holden, Mass.
Stephen William Weinstein, B.S.
West Hartford, Conn.
Alan Weisel, B.S.
Stamford, Conn.
Philip Goodrich Whitney, B.A.
West Lebanon, N. H.
Andrew Paul Zak, Jr., B.S.
Turners Falls, Mass.
Photograph Back Cover

Courtesy Newell Green
Hartford, Conn.