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Medical College
for 1939-1940



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CONTENTS

	PAGE
Calendar	4
Board of Trustees	5
New York Hospital-Cornell Medical College Association	6
Medical College Council	7
Officers of Administration	8
Executive Faculty and Committees of the Faculty	9
Faculty	10
General Statement	21
Requirements for Admission	27
Admission to Advanced Standing	29
Requirements for Promotion and Graduation	29
General Information:	32
Fees, Scholarships, Loans, Prizes	32
Educational Policies and Plan of Instruction	37
Description of Courses	39
Anatomy	39
Bacteriology	46
Biochemistry	42
Legal Medicine	73
Medicine and Medical Specialties	51
Military Medicine	74
Obstetrics and Gynecology	57
Pathology	47
Pediatrics	60
Pharmacology	50
Physiology	44
Psychiatry	62
Public Health and Preventive Medicine	69
Radiology	72
Surgery and Surgical Specialties	64
Summary of Hours in Medical Course	74
Schedule of Courses	76
The Graduate School	80
Special Students	82
Internship Appointments	83
Register of Students, 1939-40	85
Register of Medical College Staff	92

CALENDAR

1939

September 13	Wednesday.	Examinations begin for conditioned students.
September 18	Monday.	Registration Day.*
September 19	Tuesday.	Classes begin for all students.**
November 18	Saturday.	First quarter ends, 1 P.M.
November 20	Monday.	Second quarter begins, 9 A.M.
November 29	Wednesday.	Thanksgiving recess begins, 5 P.M.
December 4	Monday.	Thanksgiving recess ends, 9 A.M.
December 9	Saturday.	First trimester ends, 1 P.M.
December 11	Monday.	Second trimester begins, 9 A.M.
December 22	Friday.	Christmas recess begins, 5 P.M.

1940

January 3	Wednesday.	Christmas recess ends, 9 A.M.
January 27	Saturday.	Second quarter ends, 1 P.M.
January 29	Monday.	Third quarter begins, 9 A.M.
February 22	Thursday.	Washington's Birthday. Holiday.
March 6	Wednesday.	Second trimester ends, 5 P.M.
March 13	Wednesday.	Third trimester begins, 9 A.M.
March 30	Saturday.	Third quarter ends, 1 P.M.
April 1	Monday.	Fourth quarter begins, 9 A.M.
May 25	Saturday.	Instruction ends for all classes, 1 P.M.
Monday, May 27-Saturday, June 1, inc.		Final examinations (May 30, Holiday).
June 5	Wednesday.	Commencement, 4 P.M.

*All students must register in person at the Administrative Offices on or before September 18. No student will be admitted after registration day without special permission of the Dean. Upon registration, all fees must be paid at the Business Office.

**The first and second years are divided into trimesters, the third and fourth years into quarters.

BOARD OF TRUSTEES

The President of the University		Ithaca
The Governor of New York State	}	Albany
The Lieutenant-Governor of New York State		Albany
The Speaker of the Assembly		Albany
The State Commissioner of Education		Albany
The State Commissioner of Agriculture		Albany
The President of the State Agricultural Society		Albany
The Librarian of the Cornell (City) Library		Ithaca
CHARLES EZRA CORNELL		Ithaca
*JERVIS LANGDON (B)		Elmira
*FLOYD CARLISLE (B)		New York
*WALTER C. TEAGLE (B)		New York
*MATTHEW CAREY (A)		Detroit, Mich.
*PAUL A. SCHOELLKOPF (A)		Niagara Falls
*GEORGE R. VAN NAMEE (G)		New York
WALTER TODD (B)		Rochester
HENRY R. ICKELHEIMER (B)		New York
MAXWELL M. UPSON (B)		New York
GEORGE R. PFANN (A)		New York
HORACE WHITE (G)		Syracuse
FRANK H. HISCOCK (B)		Syracuse
NICHOLAS H. NOYES (B)		Indianapolis, Ind.
_____ (B)		
MAURICE C. BURRITT (A)		Hilton
ROBERT E. TREMAN (A)		Ithaca
STANTON GRIFFIS (G)		New York
NEAL D. BECKER (B)		Brooklyn
BANCROFT GHERARDI (B)		Short Hills, N. J.
ROGER H. WILLIAMS (B)		New York
MARY H. DONLON (A)		New York
ALFRED H. HUTCHINSON (A)		Chicago, Ill.
EDWARD R. EASTMAN (G)		Ithaca
FRANK E. GANNETT (B)		Rochester
FRANKLIN W. OLIN (B)		Alton, Ill.
EZRA B. WHITMAN (B)		Baltimore, Md.
GEORGE H. ROCKWELL (A)		Cambridge, Mass.
THOMAS I. S. BOAK (A)		New Haven, Conn.
MYRON C. TAYLOR (G)		New York
HOWARD E. BABCOCK (Gr)		Ithaca

FACULTY REPRESENTATIVES

ROBERT S. STEVENS (January 1, 1940)	Ithaca
DONALD ENGLISH (January 1, 1941)	Ithaca
WILLIAM S. LADD (January 1, 1942)	New York
WILLIAM I. MYERS (January 1, 1944)	Ithaca

*Term of office expires in 1940, the next group of six in 1941, etc. B, elected by the Board; A, elected by the Alumni; G, appointed by the Governor; Gr., elected annually by the State Grange.

THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The Association was formed by an agreement between the Society of the New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete coordination of the medical, educational, and scientific activities of the two institutions.

The Association is operated under the supervision of a Joint Administrative Board, composed of three Governors of the Society of the New York Hospital, three representatives of the Trustees of Cornell University, and one other member elected by the appointed members.

The Joint Administrative Board is composed of the following members:

BARKLIE HENRY, *Chairman*

FRANK L. POLK

WILLIAM WOODWARD

EDMUND E. DAY

J. DUPRATT WHITE*

WALTER L. NILES

J. PIERPONT MORGAN

The Society of the New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of "The New York Hospital-Cornell Medical College Association."

Gifts or bequests should be made either to the Hospital or to the University, but not to the above-named Association.

If for the Hospital, the language may be: "I give and bequeath to the Society of the New York Hospital the sum of \$"

If for the use of the College, the language may be: "I give and bequeath to Cornell University the sum of \$ for use in connection with its Medical College in New York City." If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

*Deceased.

MEDICAL COLLEGE COUNCIL

The Council was established by action of the Trustees of Cornell University for the purpose of making recommendations to the Board of Trustees or the Executive Committee in relation to the business management of the Medical College. It is composed of the President of the University, the Provost of the University, the Dean of the Medical College, four members of the Board of Trustees elected by the Trustees, and two members of the Medical Faculty elected by the Faculty.

The Council at present consists of the following members:

EDMUND EZRA DAY, President of Cornell University, *Chairman*,
ex-Officio

WILLIAM S. LADD, Dean, Cornell University Medical College.

NEAL D. BECKER

HENRY R. ICKELHEIMER

MYRON C. TAYLOR

ROGER H. WILLIAMS

} of the Board of Trustees.

EUGENE L. OPIE

HENRICUS J. STANDER

} of the Faculty.

EDWARD K. TAYLOR, *Secretary*.

OFFICERS OF ADMINISTRATION

EDMUND EZRA DAY, *President.*

WILLIAM S. LADD, *Dean.*

DAYTON J. EDWARDS, *Assistant Dean.*

DOROTHY GILL, *Recorder.*

EDWARD K. TAYLOR, *Secretary of Council and Business Manager.*

JOSEPHINE G. NICHOLS, *Librarian.*

EXECUTIVE FACULTY

EDMUND EZRA DAY

OSKAR DIETHELM
EUGENE F. DUBOIS
VINCENT DU VIGNEAUD
GEORGE J. HEUER
JOSEPH C. HINSEY

WILLIAM S. LADD
SAMUEL Z. LEVINE
JAMES M. NEILL
EUGENE L. OPIE
WILSON G. SMILLIE

HENRICUS J. STANDER

STANDING COMMITTEES*

COMMITTEE ON CURRICULUM

GEORGE J. HEUER, *Chairman*

JOSEPH C. HINSEY

JAMES M. NEILL

HENRICUS J. STANDER

COMMITTEE ON ADMISSIONS

DAYTON J. EDWARDS, *Chairman*

WILSON G. SMILLIE
JOSHUA E. SWEET

HERBERT F. TRAUT
BRUCE WEBSTER

LIBRARY COMMITTEE

JAMES M. NEILL, *Chairman*

WILLIAM DEW. ANDRUS
D. MURRAY ANGEVINE
GEORGE W. HENRY
JOSEPH C. HINSEY

RICHARD W. JACKSON
ANDREW A. MARCHETTI
JOSE F. NONIDEZ
HENRY B. RICHARDSON

MRS. JOSEPHINE G. NICHOLS

COMMITTEE ON PROMOTION AND GRADUATION

WILLIAM S. LADD, *Chairman*

Heads of Departments, or their representatives, responsible for the more important courses of each year.

COMMITTEE ON SCHOLARSHIPS AND PRIZES

SAMUEL Z. LEVINE, *Chairman*

OSKAR DIETHELM

JOHN C. TORREY

COMMITTEE ON POLK PRIZES IN RESEARCH

RICHARD W. JACKSON, *Chairman*

R. GORDON DOUGLAS

EPHRAIM SHORR

WILSON G. SMILLIE

*The Dean is ex-officio a member of all Committees.

THE FACULTY

EDMUND EZRA DAY, President of Cornell University.

S.B. 1905, A.M. 1906, Dartmouth; Ph.D. 1909, Harvard; LL.D. 1931, Vermont; 1937, Dartmouth, Harvard, Pennsylvania, and Syracuse.

LIVINGSTON FARRAND, President Emeritus.

A.B. 1888, A.M. 1891, Princeton; M.D. 1891, Columbia; Ph.D. hon. 1924, Rensselaer; L.H.D. 1922, Hobart; LL.D. 1914 Colorado College and Denver, 1917 Michigan, 1919 Colorado, 1922 Union, Princeton, and Colgate, 1923 Yale, 1925 Pennsylvania and Dartmouth, 1927 Toronto, 1929 Columbia, 1934 Syracuse, 1935 Lafayette, 1936 Williams.

WILLIAM S. LADD, Dean.

B.S. 1910, Amherst; M.D. 1915, Columbia.

PROFESSORS EMERITI

GEORGE WOOLSEY, M.D.	Professor of Clinical Surgery.
IRVING S. HAYNES, M.D.	Professor of Clinical Surgery.
JOHN ROGERS, M.D.	Professor of Clinical Surgery.
FREDERICK WHITING, M.D.	Professor of Clinical Surgery (Otology).
CHARLES L. GIBSON, M.D.	Professor of Surgery.
WILLIAM L. RUSSELL, M.D.	Professor of Psychiatry.
GEORGE GRAY WARD, M.D.	Professor of Obstetrics and Gynecology.
ROBERT A. HATCHER, M.D.	Professor of Pharmacology.
EDWARD L. KEYES, M.D.	Professor of Clinical Surgery (Urology).
JOHN A. HARTWELL, M.D.	Professor of Clinical Surgery.
WILLIAM J. ELSER, M.D.	Professor of Applied Pathology and Bacteriology.

PROFESSORS

JAMES EWING, Professor of Oncology.

Director of Cancer Research, Memorial Hospital.
Consulting Pathologist, New York Hospital.

A.B. 1888, A.M. 1891, Sc.D. 1923, Amherst; M.D. 1891, Columbia; Sc.D. 1911, Pittsburgh.

EUGENE F. DU BOIS, Professor of Medicine.

Physician-in-Chief, New York Hospital.
Consulting Physician, Bellevue Hospital.

A.B. 1903, Harvard; M.D. 1906, Columbia.

JOHN C. TORREY, Professor of Epidemiology.

A.B. 1898, Sc.D. 1922, Vermont; Ph.D. 1902, Columbia.

HENRICUS J. STANDER, Professor of Obstetrics and Gynecology.

Obstetrician- and Gynecologist-in-Chief, New York Hospital.
Chief Obstetrician, Berwind Maternity Clinic.

M.S. 1916, Arizona; M.D. 1921, Yale.

GEORGE J. HEUER, Professor of Surgery.

Surgeon-in-Chief, New York Hospital.

B.S. 1903, Wisconsin; M.D. 1907, Johns Hopkins.

- EUGENE L. OPIE, Professor of Pathology.
Pathologist, New York Hospital.
A.B. 1893, M.D. 1897, Johns Hopkins; Sc.D. 1931, Yale.
- JAMES M. NEILL, Professor of Bacteriology and Immunology.
B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College.
- OSKAR DIETHELM, Professor of Psychiatry.
Psychiatrist-in-Chief, New York Hospital.
Staatsexamen 1922, University of Zurich Medical School.
- SAMUEL Z. LEVINE, Professor of Pediatrics.
Pediatrician-in-Chief, New York Hospital.
A.B. 1916, College of the City of New York; M.D. 1920, Cornell.
- JOSEPH C. HINSEY, Professor of Anatomy.
B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University.
- WILSON G. SMILLIE, Professor of Public Health and Preventive Medicine.
A.B. 1908, Colorado College, M.D. 1912, D.P.H. 1916, Harvard.
- JOSE F. NONIDEZ, Professor of Anatomy.
M.S. 1913, Sc.D. 1914, Madrid.
- VINCENT DU VIGNEAUD, Professor of Biochemistry.
B.S. 1923, M.S. 1924, Illinois, Ph.D. 1927, Rochester.
- LEWIS A. CONNER, Professor of Clinical Medicine.
Consulting Physician, New York, Bellevue, and Memorial Hospitals.
Ph.B. 1887, Yale; M.D. 1890, Columbia.
- OSCAR M. SCHLOSS, Professor of Clinical Pediatrics.
Attending Pediatrician, New York Hospital.
B.S. 1901, Alabama Polytechnic Institute; M.D. 1905, Johns Hopkins.
- WALTER L. NILES, Professor of Clinical Medicine.
Attending Physician, New York Hospital; Consulting Physician, Bellevue and Memorial Hospitals.
M.D. 1902, Cornell.
- HANS J. SCHWARTZ, Professor of Clinical Medicine (Dermatology).
Attending Physician, Dermatology, New York Hospital; Consulting Physician, Memorial Hospital.
M.D. 1898, McGill.
- MALCOLM GOODRIDGE, Professor of Clinical Medicine.
Attending Physician, New York Hospital; Consulting Physician, Bellevue Hospital.
A.B. 1894, Princeton; M.D. 1898, Columbia.
- FOSTER KENNEDY, Professor of Clinical Neurology.
Consulting Neurologist, New York and Memorial Hospitals; Visiting Physician in charge of Neurological Service, Bellevue Hospital.
M.B., B.Ch. 1906, Royal University, Ireland; M.D. 1910, Dublin.

- JOSHUA E. SWEET, Professor of Experimental Surgery.
A.B. 1897, A.M. 1900, Sc.D. 1922, Hamilton; M.D. 1901, Giessen.
- BERNARD SAMUELS, Professor of Clinical Surgery (Ophthalmology).
Attending Surgeon, Ophthalmology, New York Hospital.
M.D. 1907, Jefferson.
- CHARLES E. FARR, Professor of Clinical Surgery.
Attending Surgeon, New York Hospital.
A.B. 1898, M.D. 1903, Yale.
- EUGENE H. POOL, Professor of Clinical Surgery.
Senior Attending Surgeon, New York Hospital.
A.B. 1895, Harvard; M.D. 1899, Columbia.
- HENRY H. M. LYLE, Professor of Clinical Surgery.
Attending Surgeon, St. Luke's Hospital.
M.D. 1900, Columbia.
- WILLIAM R. WILLIAMS, Professor of Clinical Medicine.
Consulting Physician, New York Hospital.
A.B. 1889, A.M. 1892, Williams; M.D. 1895, Columbia.
- JOSEPH C. ROPER, Professor of Clinical Medicine.
Consulting Physician, New York Hospital.
M.D. 1897, New York University Medical College; M.D. 1899, Cornell.
- NATHAN CHANDLER FOOT, Professor of Surgical Pathology.
Surgical Pathologist, New York Hospital.
A.B. 1903, Harvard; M.D. 1907, Columbia.
- RUSSELL L. CECIL, Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.
A.B. 1902, Princeton; M.D. 1906, Medical College of Virginia.
- PHYLLIS GREENACRE, Professor of Clinical Psychiatry.
Attending Psychiatrist, New York Hospital.
B.S. 1913, University of Chicago; M.D. 1916, Rush.
- WILLIAM S. LADD, Dean; Professor of Clinical Medicine.
Attending Physician, New York Hospital.
B.S. 1910, Amherst; M.D. 1915, Columbia.
- CLARENCE O. CHENEY, Professor of Clinical Psychiatry.
Consulting Psychiatrist, New York Hospital.
A.B. 1908, M.D. 1911, Columbia.
- ALEXANDER R. STEVENS, Professor of Clinical Surgery (Urology).
Attending Surgeon, Urology, New York Hospital.
A.B. 1896, M.D. 1903, Johns Hopkins.
- WILLIAM C. MUNLY, Lieut-Col. M.C., U. S. Army, Professor of Military Science and Tactics.

ASSOCIATE PROFESSORS

- DAYTON J. EDWARDS, Assistant Dean; Associate Professor of Physiology.
B.S. 1906, Maine; Ph.D. 1913, Columbia.
- CHARLES V. MORRILL, Associate Professor of Anatomy; Chairman of Group F, Graduate School.
A.M. 1906, Ph.D. 1910, Columbia.
- JOHN R. CARTY, Associate Professor of Radiology.
Radiologist, New York Hospital.
B.S. 1917, Princeton; M.D. 1921, Cornell.
- HERBERT F. TRAUT, Associate Professor of Obstetrics and Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
B.S. 1917, Whitman; M.D. 1923, Johns Hopkins.
- WILLIAM DEWITT ANDRUS, Associate Professor of Surgery.
Attending Surgeon, New York Hospital.
A.B. 1916, A.M. 1917, Oberlin; M.D. 1921, Johns Hopkins.
- HENRY B. RICHARDSON, Associate Professor of Clinical Medicine.
Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital.
A.B. 1910, M.D. 1914, Harvard.
- HAROLD J. STEWART, Associate Professor of Medicine.
Attending Physician, New York Hospital.
A.B. 1915, M.D. 1919, A.M. 1923, Johns Hopkins.
- GEORGE W. HENRY, Associate Professor of Clinical Psychiatry.
Attending Psychiatrist, New York Hospital.
A.B. 1912, Wesleyan; M.D. 1916, Johns Hopkins.
- JAMES A. HARRAR, Associate Professor of Clinical Obstetrics and Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
M.D. 1901, University of Pennsylvania.
- MORTON C. KAHN, Associate Professor of Public Health and Preventive Medicine.
B.S. 1916, A.M. 1917, Columbia; Ph.D. 1924, Cornell.
- McKEEN CATTELL, Associate Professor of Pharmacology.
B.S. 1914, Columbia; A.M. 1917, Ph.D. 1920, M.D. 1924, Harvard.
- CONNIE M. GUION, Associate Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1906, Wellesley; A.M. 1913, M.D. 1917, Cornell.
- LEWIS D. STEVENSON, Associate Professor of Clinical Medicine (Neurology) and Associate Professor of Neuropathology.
Assistant Pathologist, Assistant Attending Physician, New York Hospital. Associate Visiting Physician, Bellevue Hospital.
A.B. 1916, M.D. 1916, Queen's University.

- WILLIAM F. MACFEE, Associate Professor of Clinical Surgery.
Attending Surgeon, New York Hospital.
A. B. 1914, University of Tennessee; M. D. 1918, Johns Hopkins.
- GEORGE PAPANICOLAOU, Associate Professor of Anatomy.
M. D. 1904, Athens; Ph. D. 1910, Munich.
- R. GORDON DOUGLAS, Associate Professor of Obstetrics and Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
M. D. C. M. 1924, McGill.
- LOUIS F. HAUSMAN, Associate Professor of Clinical Medicine (Neurology) and Associate in Neuro-Anatomy.
Associate Visiting Physician, Bellevue Hospital.
A. B. 1912, College of the City of New York; M. D. 1916, Cornell.
- HAROLD G. WOLFF, Associate Professor of Medicine.
Associate Attending Physician, New York Hospital.
B. S. 1918, College of the City of New York; M. D. 1923, M. A. 1928, Harvard.
- ROBERT A. MOORE, Associate Professor of Pathology.
Associate Pathologist, New York Hospital.
A. B. 1921, M. S. 1927, M. D. 1928, Ohio State; Ph. D. 1930, Western Reserve.
- JACOB FURTH, Associate Professor of Pathology.
Assistant Pathologist, New York Hospital.
M. D. 1921, German University, Prague.
- ASA L. LINCOLN, Associate Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital; Visiting Physician and Director, Second Medical Division, Bellevue Hospital.
A. B. 1910, M. A. 1911, Elon College; M. D. 1916, Johns Hopkins.
- FRANK E. ADAIR, Associate Professor of Clinical Surgery.
Attending Surgeon and Executive Officer Medical Board, Memorial Hospital.
A. B. 1910, Sc. D. 1934, Marietta College; M. D. 1915, Johns Hopkins.
- RALPH F. BOWERS, Associate Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital.
A. B. 1921, M. D. 1925, Johns Hopkins.
- DEAN BURK, Associate Professor of Biochemistry.
B. S. 1923, Ph. D. 1927, University of California.
- NORMAN CAMERON, Associate Professor of Psychology.
Assistant Attending Psychiatrist, New York Hospital.
A. B. 1923, Ph. D. 1927, University of Michigan; M. D. 1933, Johns Hopkins.
- WILLIAM H. CHAMBERS, Associate Professor of Physiology.
B. S. 1915, M. S. 1917, University of Illinois; Ph. D. 1920, Washington University.

- CARY EGGLESTON, Associate Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.
Visiting Physician, Bellevue Hospital.
M.D. 1907, Cornell.
- RICHARD W. JACKSON, Associate Professor of Biochemistry.
B.S. 1922, Eureka College; M.S. 1923, Ph.D. 1925, University of Illinois.
- HOWARD S. JECK, Associate Professor of Clinical Surgery (Urology).
Assistant Attending Surgeon, Urology, New York Hospital.
Visiting Surgeon in Charge of Urological Service, Bellevue Hospital.
Ph.B. 1904, Yale; M.D. 1909, Vanderbilt.
- JOHN H. RICHARDS, Associate Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.
M.D. 1905, Cornell.

ASSISTANT PROFESSORS

- JOHN C. A. GERSTER, Assistant Professor of Clinical Surgery.
A.B. 1902, M.D. 1905, Columbia.
- ROBERT A. COOKE, Assistant Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1900, A.M. 1904, Rutgers; M.D. 1904, Columbia.
- RALPH G. STILLMAN, Assistant Professor of Medicine.
Clinical Pathologist, New York Hospital.
A.B. 1903, Yale; M.D. 1907, Columbia.
- GUILFORD S. DUDLEY, Assistant Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital; Visiting Surgeon and Director, Second Surgical Division, Bellevue Hospital.
A.B. 1910, M.D. 1913, Cornell.
- GEORGE W. WHEELER, Assistant Professor of Medicine.
Superintendent, New York Hospital.
M.D. 1907, Cornell.
- HAROLD E. B. PARDEE, Assistant Professor of Clinical Medicine.
Associate Attending Physician, New York Hospital.
A.B. 1906, M.D. 1909, Columbia.
- WALTER C. KLOTZ, Assistant Professor of Public Health and Preventive Medicine.
Director, Out-Patient Department, New York Hospital.
M.D. 1898, Columbia.
- ARTHUR PALMER, Assistant Professor of Clinical Surgery (Otolaryngology).
Associate Attending Surgeon, Otolaryngology, New York Hospital.
A.B. 1911, Brown; M.D. 1915, Cornell.

- MORRIS K. SMITH, Assistant Professor of Clinical Surgery.
 Attending Surgeon, St. Luke's Hospital.
 A.B. 1907, A.M. 1911, M.D. 1911, Dartmouth.
- HERVEY C. WILLIAMSON, Assistant Professor of Clinical Obstetrics and
 Gynecology.
 Attending Obstetrician and Gynecologist, New York Hospital.
 M.D. 1908, New York University.
- HARRY GOLD, Assistant Professor of Pharmacology.
 A.B. 1919, M.D. 1922, Cornell.
- RUSSEL H. PATTERSON, Assistant Professor of Clinical Surgery.
 Assistant Attending Surgeon, New York Hospital; Visiting Sur-
 geon, Bellevue Hospital.
 A.B. 1914, Georgia; M.D. 1918, Harvard.
- GERVAIS W. McAULIFFE, Assistant Professor of Clinical Surgery
 (Otolaryngology).
 Associate Attending Surgeon, Otolaryngology, New York Hos-
 pital.
 M.D. 1920, Long Island College Hospital.
- PAUL REZNIKOFF, Assistant Professor of Clinical Medicine.
 Associate Attending Physician, New York Hospital; Visiting
 Physician, Bellevue Hospital.
 B.S. 1916, New York University; M.D. 1920, Cornell.
- EDWARD CUSSLER, Assistant Professor of Clinical Medicine.
 Associate Attending Physician, New York Hospital.
 M.D. 1904, Columbia.
- SEWARD ERDMAN, Assistant Professor of Clinical Surgery.
 Attending Surgeon, New York Hospital.
 A.B. 1897, Princeton; M.D. 1902, Columbia.
- JOHN A. VIETOR, Assistant Professor of Clinical Surgery.
 Associate Attending Surgeon, New York Hospital.
 A.B. 1907, Yale; M.D. 1911, Columbia.
- BRUCE WEBSTER, Assistant Professor of Clinical Medicine.
 Associate Attending Physician, New York Hospital.
 M.D.C.M. 1925, McGill.
- SYDNEY WEINTRAUB, Assistant Professor of Clinical Radiology.
 Assistant Radiologist, New York Hospital.
 M.D. 1918, Columbia.
- MAY G. WILSON, Assistant Professor of Clinical Pediatrics.
 Associate Attending Pediatrician, New York Hospital.
 A.B. 1907, Hunter; M.D. 1911, Cornell.

- LUCIUS A. WING, Assistant Professor of Clinical Obstetrics and Gynecology.
Associate Attending Obstetrician and Gynecologist, New York Hospital.
A.B. 1903, Ohio State; M.D. 1907, Cornell.
- CARL A. BINGER, Assistant Professor of Clinical Medicine (Psychiatry).
Assistant Attending Physician, New York Hospital.
A.B. 1910, M.D. 1914, Harvard.
- JULES FREUND, Assistant Professor of Pathology.
M.D. 1913, University Medical School, Budapest.
- EPHRAIM SHORR, Assistant Professor of Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1919, M.D. 1922, Yale.
- JOHN F. McGRATH, Assistant Professor of Clinical Obstetrics and Gynecology.
Associate Attending Obstetrician and Gynecologist, New York Hospital.
A.B. 1902, Princeton; M.D. 1908, Cornell.
- JESSE F. SAMMIS, Assistant Professor of Clinical Pediatrics.
Associate Attending Pediatrician, New York Hospital.
A.B. 1902, Princeton; M.D. 1906, Columbia.
- PHILIP M. STIMSON, Assistant Professor of Clinical Pediatrics.
Associate Attending Pediatrician, New York Hospital; Attending Physician, Willard Parker Hospital.
A.B. 1910, Yale; M.D. 1914, Cornell.
- IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery (Orthopedics).
Assistant Attending Surgeon, New York Hospital.
B.S. 1915, College of the City of New York; M.D. 1918, Cornell.
- MILTON L. BERLINER, Assistant Professor of Clinical Surgery (Ophthalmology).
Associate Attending Surgeon, New York Hospital.
M.D. 1918, Long Island College Hospital.
- LLOYD F. CRAVER, Assistant Professor of Clinical Medicine.
Attending Physician, Memorial Hospital.
A.B. 1915, M.D. 1918, Cornell.
- EDGAR MAYER, Assistant Professor of Clinical Medicine.
Assistant Visiting Physician, Bellevue Hospital; Assistant Attending Physician, New York Hospital.
A.B. 1909, College of the City of New York; M.D. 1913, Columbia.
- GEORGE T. PACK, Assistant Professor of Clinical Surgery.
Attending Surgeon, Memorial Hospital.
B.S. 1920, Ohio State; M.D. 1922, Yale.

- BYRON H. GOFF, Assistant Professor of Clinical Obstetrics and Gynecology.
Attending Obstetrician and Gynecologist, New York Hospital.
B.S. 1908, M.D. 1911, Pennsylvania.
- JOHN Y. SUGG, Assistant Professor of Bacteriology and Immunology.
B.S. 1926, Ph.D. 1931, Vanderbilt.
- GERALD R. JAMEISON, Assistant Professor of Psychiatry.
Associate Psychiatrist and Medical Director of the Payne Whitney
Psychiatric Clinic, New York Hospital.
M.D. 1918, Albany Medical College.
- HORACE S. BALDWIN, Assistant Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.
B.S. 1917, Wesleyan University; M.D. 1921, Cornell.
- EDWARD TOLSTOI, Assistant Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1919, Yale; M.D. 1923, Cornell.
- ROBERT A. PHILLIPS, Assistant Professor of Physiology.
B.S. 1927, University of Iowa; M.D. 1929, Washington University.
- NELSON W. CORNELL, Assistant Professor of Clinical Surgery (Orthopedics).
Associate Attending Surgeon, New York Hospital.
A.M. 1918, M.D. 1921, Cornell.
- ADE T. MILHORAT, Assistant Professor of Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1924, Columbia University; M.D. 1928, Cornell.
- CHESTER L. YNTEMA, Assistant Professor of Anatomy.
A.B. 1926, Hope College; Ph.D. 1930, Yale.
- ARTHUR F. ANDERSON, Assistant Professor of Clinical Pediatrics.
Associate Attending Pediatrician, New York Hospital.
M.D. 1916, Tufts.
- D. MURRAY ANGEVINE, Assistant Professor of Pathology; Instructor in
Medicine.
Assistant Pathologist, New York Hospital.
B.S. 1916, Columbia; M.D. 1920, Cornell.
- PARKER DOOLEY, Assistant Professor of Pediatrics.
Associate Attending Pediatrician, New York Hospital.
B.S. 1923, Wesleyan University (Illinois); M.D. 1927, Johns Hopkins.
- THOMAS P. MAGILL, Assistant Professor of Bacteriology and Immunology.
A.B. 1925, M.D. 1930, Johns Hopkins.

- CLAUDE E. FORKNER, Assistant Professor of Clinical Medicine.
Assistant Attending Physician, New York Hospital.
A.B. 1922, M.A. 1923, University of California; M.D. 1926, Harvard.
- CARL H. SMITH, Assistant Professor of Clinical Pediatrics.
Assistant Attending Pediatrician, New York Hospital.
B.A. 1915, College of the City of New York; M.A. 1917, Columbia; M.D. 1922, Cornell.
- JAMES H. WALL, Assistant Professor of Clinical Psychiatry.
Psychiatrist to Out-Patients, New York Hospital.
M.D. 1927, The Jefferson Medical College.
- ANDREW A. MARCHETTI, Assistant Professor of Obstetrics and Gynecology.
Associate Attending Obstetrician and Gynecologist, New York Hospital.
A.B. 1924, University of Richmond, M.D. 1928, Johns Hopkins.
- BENJAMIN I. ASHE, Assistant Professor of Clinical Medicine.
Associate Visiting Physician, Bellevue Hospital.
B.S. 1920, College of City of New York; M.D. 1924, Cornell.
- BENJAMIN S. BARRINGER, Assistant Professor of Clinical Surgery (Urology).
Attending Surgeon, Memorial Hospital.
B.S. 1899, New York University; M.D. 1902, Cornell.
- WILLIAM A. COOPER, Assistant Professor of Clinical Surgery.
Assistant Attending Surgeon, New York Hospital.
A.B. 1928, Stanford University; M.D. 1932, Cornell.
- HERBERT CONWAY, Assistant Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital.
M.B. 1928, B.S. 1929, M.D. 1929, M.S. 1932, University of Cincinnati.
- ARCHIE L. DEAN, JR., Assistant Professor of Clinical Surgery (Urology).
Assistant Attending Surgeon (Urology), New York Hospital.
Associate Attending Surgeon, Memorial Hospital.
B.S. 1913, M.D. 1917, Cornell.
- FRANK GLENN, Assistant Professor of Clinical Surgery.
Associate Attending Surgeon, New York Hospital.
M.D. 1927, Washington University.
- KENDRICK HARE, Assistant Professor of Physiology.
A.B. 1930, M.S. 1934, University of Alabama; Ph.D. 1936, Northwestern.
- GEORGE M. HASS, Assistant Professor of Pathology.
M.D., 1929, Harvard.
- CRANSTON HOLMAN, Assistant Professor of Clinical Surgery.
Assistant Attending Surgeon, New York Hospital.
A.B. 1927, M.D. 1930, Stanford.

LEON I. LEVINE, Assistant Professor of Clinical Medicine.
Physician to Out-Patients, New York Hospital.
Associate Visiting Physician, Bellevue Hospital.
B.S. 1918, College of City of New York; M.D. 1922, Cornell.

RICHARD W. LINTON, Assistant Professor of Pathology.
A.B. 1922, Harvard; M.A. 1926; Ph.D. 1928, Columbia.

DOUGLASS PALMER, Assistant Professor of Clinical Medicine.
Physician to Out-Patients, New York Hospital.
A.B. 1909, Williams; M.D. 1915, Cornell.

BRONSON S. RAY, Assistant Professor of Surgery.
Associate Attending Surgeon, New York Hospital.
B.S. 1924, Franklin; M.D. 1928, Northwestern.

MILTON J. E. SENN, Assistant Professor of Clinical Pediatrics (in
Psychiatry).
Associate Attending Pediatrician, New York Hospital.
B.S. 1925, M.D. 1927, University of Wisconsin.

GENERAL STATEMENT

HISTORY

CORNELL UNIVERSITY MEDICAL COLLEGE was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the Medical Faculty, and appointed six professors. The medical college was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building of the medical college located at 28th Street and First Avenue, and pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the medical college admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities, the development of physicians of the best type and the extension of medical knowledge by means of research. The medical faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order, but also to study disease and the sciences underlying medicine in order to add to medical knowledge.

THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The Cornell University Medical College and the New York Hospital have been cooperating for a long time in an arrangement for medical teaching. In September, 1932, however, the two institutions took up occupancy in the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the hospital and the medical college had been partially affiliated. In June, 1927, an agreement was entered into between Cornell University and the New York Hospital by which the New York Hospital-Cornell Medical College Association was formed for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the hospital and of the medical college, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh

member elected by those appointed by the hospital and by the university.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments, and includes approximately 1000 hospital beds. Provision is made for medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry in five distinct clinical units.

The faculty of the medical college and the professional staff of the hospital are organized so as to form one body established on a university basis.

The new plant affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the plant of the New York Hospital-Cornell Medical College Association are in many respects unexcelled. The plant consists of eleven buildings, joined either directly or by underground passages. These provide ample accommodations for the care of hospital patients, for the teaching of the clinical branches, and for the various activities connected with the work of the preclinical departments of the medical college.

CORNELL MEDICAL COLLEGE. Instruction in the medical sciences is conducted in a group of buildings extending along York Avenue from 68th to 70th Streets, centering in a court at the end of 69th Street where the entrance to the medical college is located. This group comprises four units facing on York Avenue each of which is five stories high. The extreme northern and southern buildings connect with the central group by means of two-story structures. In this series of buildings the one to the north (unit A) is devoted entirely to the department of anatomy; the one next to this on the south (unit B) to bacteriology and immunology; the third (unit D) to physiology; and the fourth (unit E) to biochemistry and pharmacology. A seven-story building (unit C) joins the buildings B and D in the center and in this are the offices of the medical college, the library, and the department of pathology. This central building of the college is joined on all floors with the central hospital building. Certain of the laboratories of the department of public health and preventive medicine are located in the two-story building which adjoins the bacteriology unit to the north but the major part of this department is comprised in the Kips Bay-Yorkville Health Center building of the City of New York, located one-half a block west from the medical college on 69th Street.

In the main buildings of the medical college, student laboratories and lecture rooms are provided on the second and third floors, and extensive

facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and faculty.

NEW YORK HOSPITAL. Clinical instruction is given in the five separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the women's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River. Each clinic contains, besides provision for bed-patients, its own out-patient department, lecture rooms and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed-patients, three floors for its out-patient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with out-patient and other facilities for the various surgical specialties. The operating rooms are on the tenth and eleventh floors. Above are six floors containing one hundred rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building. The entire hospital has a capacity of approximately 1,000 beds.

The head of each clinic, responsible for the care of patients and the conduct of the professional services of the hospital, is also professor in charge of the corresponding department of the medical college. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the college and hospital, while other members of these departments devote part of their time to private practice.

OTHER HOSPITALS FOR CLINICAL INSTRUCTION

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the medical college, while in others the teaching privileges have been granted to the members of the staffs who are also members of the medical college faculty.

BELLEVUE HOSPITAL. Bellevue is the central hospital of the New York City Department of Hospitals. It contains 2,300 beds and is devoted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the faculty of Cornell University Medical College for medical instruction. The services conducted by the college include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds each. The staffs of these services are nominated by the college from among the members of its faculty and

teaching staff, and the medical college is responsible for the professional conduct of these services.

MEMORIAL HOSPITAL. Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. According to an agreement between the Memorial Hospital and the College, the professional staff is named by the Council of the Medical College subject to the approval of the board of managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis and treatment of neoplastic diseases.

THE JOHN E. BERWIND FREE MATERNITY CLINIC. An affiliation having been consummated between the John E. Berwind Free Maternity Clinic and Cornell University Medical College, the medical direction of the clinic is placed under the control of the college. The medical staff, including the resident and house staffs, is appointed by the clinic only on nomination by the medical college.

Cornell students are assigned to the clinic for practical instruction under the direction of the Professor of Obstetrics and Gynecology.

When Cornell students have been provided for, vacancies in the student staff will be filled by appointment. Application for such assignments should be made to the Superintendent of the Clinic, 125 East 103rd Street, New York, N. Y.

MANHATTAN STATE HOSPITAL, WARD'S ISLAND. This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the Department of Psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

ST. LUKE'S HOSPITAL. Teaching privileges have been granted for surgical instruction which is conducted under the direction of a professor in Cornell University Medical College who is an attending surgeon of St. Luke's Hospital. The surgical service of this splendid institution affords valuable opportunities for the study of surgery.

WILLARD PARKER HOSPITAL. Instruction in infectious diseases is conducted at the Willard Parker Hospital, where staff positions are held by members of the faculty and teaching staff who have the privilege of conducting medical instruction.

LINCOLN HOSPITAL. This unit of the New York City Department of Hospitals has a bed capacity of 233 and facilities for handling cases in all divisions of clinical work. Through cooperative arrangements made possible by members of our teaching staff holding assignments on the hospital staff, a certain part of the teaching of medicine in the second year course is carried out on the wards of Lincoln Hospital. The abun-

dance of clinical material and the type of disease met with in this institution afford a valuable adjunct to the work in this part of the medical course.

NEW YORK EYE AND EAR INFIRMARY. This institution has the distinction of being the oldest specialty hospital in this country. Located at the same site, Second Avenue and Thirteenth Street, since 1856, it has built up a staff of high excellence and with its very large patient attendance averaging over 600 visits daily, unparalleled opportunities are offered for the teaching of these specialties. Through co-operative arrangements with our division of ophthalmology, fourth year students receive a part of their training in the wards and outpatient department of this hospital.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

This institute has been associated with Cornell University Medical College since 1913, through its affiliation with the Second Medical (Cornell) Division of Bellevue Hospital. It has supported research work in metabolism conducted by the members of the Department of Medicine. Dr. Eugene F. Du Bois, Professor of Medicine, is the medical director of the institute. The respiration calorimeter which was operated for a number of years by Dr. Du Bois at Bellevue Hospital has been transferred by the directors of the institute to the New York Hospital, and sufficient funds for carrying on the important metabolic studies of the staff have been provided by the institute.

THE LOOMIS LABORATORY

Founded in 1886 this institution served the purpose of undergraduate instruction in the Medical College building at 477 First Ave. and provided facilities for original research in the various departments of laboratory investigation. The present Medical College building contains space dedicated to the original Loomis Laboratory and its established objectives.

THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the medical college. The current journals are kept in racks about three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the sub-basement with six floors of stacks and accommodations for about 100,000 volumes. There is also a library seminar room, and several rooms for the library staff.

The library contains at the present time about 24,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also well-selected collections of monographs, textbooks, and reprints.

Several of the departments of the medical college have libraries containing journals, monographs, and text books pertaining especially to

the subject matter of the department. These serve to supplement in a useful way the scope of the main library.

The library is under the direction of a committee of the faculty, and in charge of a trained librarian who gives instruction to students on the proper methods of using the library and of searching medical literature.

A special fund, maintained in memory of Alfred Moritz Michaelis, M.D., Cornell 1925, who died the year after his graduation, is used for the purchase of books of cultural and historic value in medicine.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

REQUIREMENTS FOR ADMISSION AND GRADUATION

The faculty of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree in arts or science. Accordingly, only the following classes of candidates for the degree of Doctor of Medicine are admitted to Cornell University Medical College:

I. Graduates of approved colleges or scientific schools; *or*

II. Seniors in good standing in approved colleges or scientific schools upon condition that their faculty will permit them to substitute the first year in Cornell University Medical College for the fourth year of their college course, and will confer upon them the baccalaureate degree upon the satisfactory completion of the first year's work in medicine. No student admitted under this clause is permitted to enter the second year of the curriculum without having obtained a baccalaureate degree.

All candidates for admission shall have satisfactorily completed, in an approved college, the following basic courses, the majority of which are prescribed also as the minimum requirement for the issuance of a qualifying certificate by the New York State Education Department:

Biology	6 semester hours*
Including laboratory work	
Chemistry	12 semester hours
8 hours of inorganic, including qualitative analysis and 4 hours of organic chemistry.	
English	6 semester hours
Modern language	6 semester hours
French or German	
Physics	6 semester hours
Including laboratory	

The group of subjects outlined above represent thirty-six credit hours which is probably sufficient time to enable the student to obtain a basic preparation in these different fields. In many colleges, however, additional credits in one or more of these departments are required of the candidate in order to satisfy major requirements for the degree. In making the choice of elective courses, consideration should be given to the principle that thorough training in the sciences is essential. On the other hand, too many elective courses in these departments may not provide the most acceptable preparation for medicine, since it tends to limit the time available for study in other departments offering work of a broad educational value.

*A semester hour is the credit value of at least sixteen weeks' work, consisting of one hour of lecture or recitation or two or more hours of laboratory work, per week.

The work in organic chemistry is particularly valuable and should be carried far enough to give a thorough command of this subject; likewise, a course in quantitative analysis will be found most useful in rounding out the training in chemistry. A course in comparative embryology affords a good background on which to build the teaching in this subject in the early part of the medical course. A reading knowledge of both German and French is highly recommended and if only one can be fitted into the college course, the student will find that German is the language he is called upon most frequently to use in scientific references. It is also suggested that students follow mathematics of college grade up to and including calculus, if advanced work in medical sciences is contemplated. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical, and not of the pre-medical curriculum. In planning pre-medical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

As a general rule the courses given in professional schools of Pharmacy, Veterinary Medicine, and Agriculture are not considered as fulfilling adequately the admission requirements.

APPLICATIONS FOR ADMISSION

All applications and inquiries regarding admission are to be addressed to the Assistant Dean, from whom application forms may be obtained. Applications for admission should be submitted not later than January of the calendar year in which admission is desired, and should be followed promptly by an official transcript of the college record. A recent unmounted photograph of the applicant must be attached to each application.

It is impossible for the Committee on Admissions to hold personal conferences with all candidates for admission as the number is too great but selected individuals from the group of applicants receive an invitation to appear before members of the Committee.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. Candidates are notified as promptly as possible of the decision of the Committee. Accepted applicants are required to make a deposit of one hundred dollars within a specified time, usually about two weeks after notification of admission. This deposit is *not returnable*, but is credited toward the first tuition payment. If he fails to make this deposit within the time specified the applicant forfeits his place in the medical college.

A medical student's qualifying certificate, issued by the New York State Education Department signifying that its requirements have been met, must be secured before registration by each student accepted for admission. An application blank for the certificate with full instructions will be sent by the college to each student admitted.

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing under the following conditions:

Applications for advanced standing should be filed according to the procedure described for admission to the first year class, accepted applicants being required to make the deposit of one hundred dollars. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must also present a certificate of honorable dismissal from the medical school or schools they have attended.

Examinations may be required in any of the medical courses taken at another school.

ADVANCEMENT AND EXAMINATIONS

Although the medical course comprises a large number of subjects distributed in four calendar years the student advances in the course in steps of an academic year at a time. It is necessary that he complete all subjects listed in a given year of the course before taking up the next succeeding group of subjects, and to be *readmitted* to the medical college in one of the advanced years (second, third, or fourth) he must be approved for promotion by the Faculty.

At the close of the college session in June examinations are given in all subjects excepting those extending through a part of the year only, in which examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all work covered in that subject during the year is taken into account and due weight assigned to the effort he puts into his work, his seriousness of purpose and his scholastic resourcefulness, as well as the results of the final examination.

At the close of the academic year a *final* rating is compiled for each student based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the Committee on Promotion and Graduation, then reviewed and finally adopted by the Faculty. This final classification of student performance in the medical course is as follows:

1. Students with no encumbrances in any subjects are recorded as "passed."
2. Students with an unsatisfactory rating in 40% or more of the required hours in a given year are recorded as "not passed."
3. Students with an unsatisfactory rating in less than 40% of the required hours of a given year are recorded as "conditioned."

A rating of "passed" confers eligibility for re-admission into the medical college in the next higher class, unless by reason of conduct

the Faculty considers the student unsuited for the profession of medicine. A rating of "not passed" carries ineligibility for re-admission into the medical college. A "conditioned" student has failures in certain required courses and he may be re-examined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred, through at least one term, or during a summer vacation.

Students who fail on re-examination are ineligible for re-admission into the medical college, unless under special circumstances, they are permitted by the Faculty to repeat courses in which failures have occurred. Students repeating any work may be forbidden by the Faculty to take all or some of the courses they would normally carry.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the Faculty, be required at any time to withdraw from the medical college.

It is a well established policy of the medical college to make no announcement to students of grades received in any subject of the medical course.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years, and be of good moral character. They must have spent at least four years of study as matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum, must have passed all prescribed examinations, and be free from indebtedness to the college. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

In New York State all credentials for admission to examinations for license should be filed with the State Education Department at least fifteen days before the examinations are held. In 1940 these examinations will be held in February, June, and September (dates to be announced) at New York, Albany, Syracuse, and Buffalo. For complete information write to The Secretary, Board of Medical Licensure, Albany, New York.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is accepted by the Surgeons-General of the Army and Public Health Service of the United States and by the boards of medical licensure of forty-two states, Puerto Rico, Hawaii, and the

Canal Zone. This certificate is also recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused as a Federal Government agency. For information write to The National Board of Medical Examiners, 225 South Fifteenth Street, Philadelphia, Pa.

GENERAL INFORMATION

FEES AND EXPENSES

All fees for instruction and other charges are paid at the Business Office of the Medical College, Room F-106, 1300 York Avenue, New York, N. Y.

TUITION FEES:

For students of the class of 1943 and succeeding classes
\$600 per year.

For students of the classes 1940, 1941, and 1942 \$500 per year.

These fees are payable at the beginning of the academic year or in two equal parts, in which case the first payment must be made at registration and the second on January 15. No refund or rebate will be made in any case.

An advance of \$100 on account of tuition is required of all applicants accepted for admission *and is not returnable*. At matriculation it is credited toward tuition.

MATRICULATION FEE	\$10
This fee is payable only once, on admission.	

OBSTETRICS FEE	\$15
This is a special fee, payable at the beginning of the <i>third</i> year.	

GRADUATION FEE	\$25
This fee is payable on registration for graduation.	

BREAKAGE DEPOSIT	\$10
This deposit is required of first and second year students at the beginning of each academic year, and will be returned, less the amount charged for breakage, at the end of the year.	

STUDENTS OF THE GRADUATE SCHOOL:

For fees, see page 82.

SPECIAL STUDENTS:

For fees, see page 83.

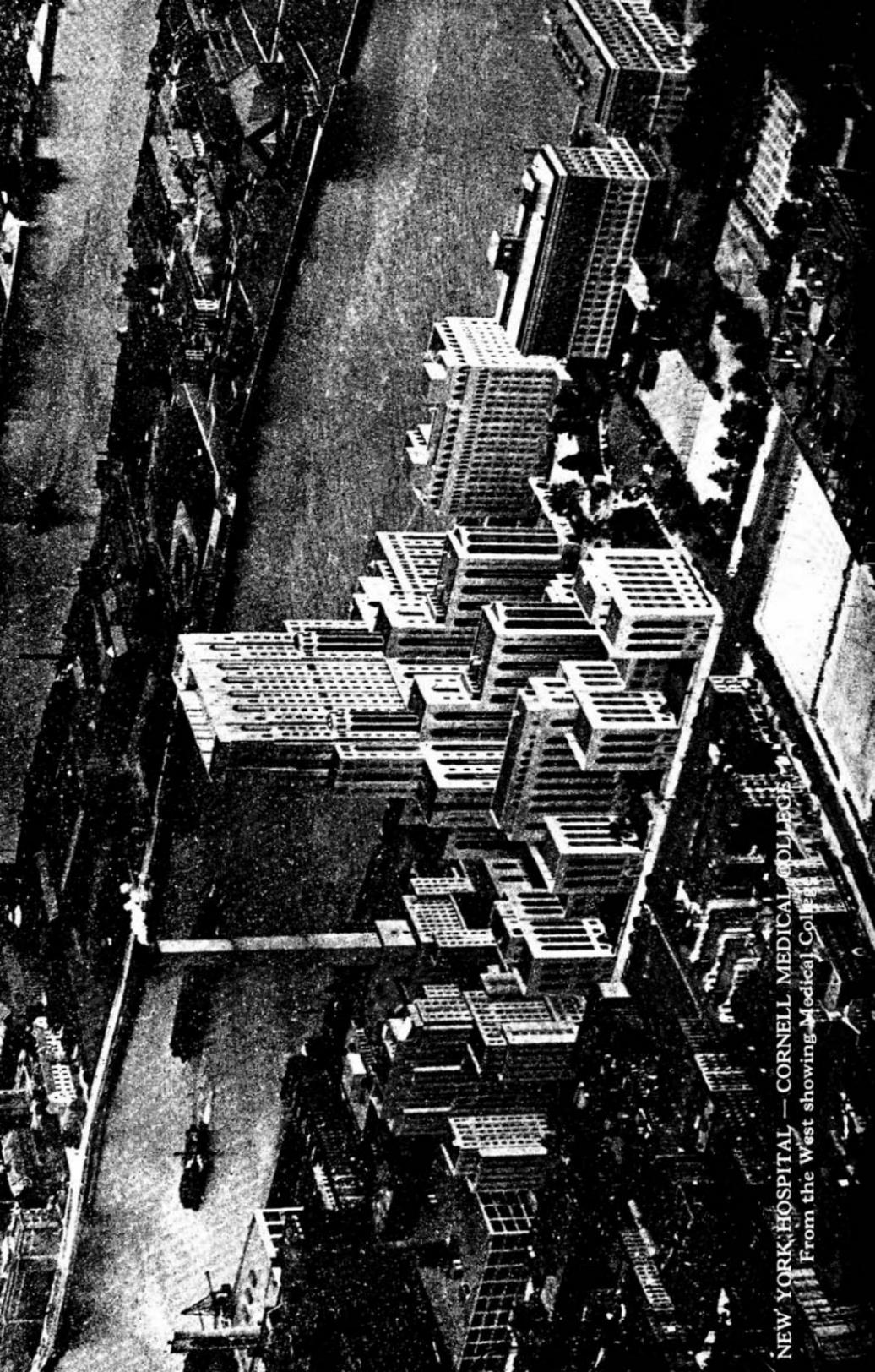
All students entering the medical college are required to provide themselves with satisfactory microscopes. Haemocytometers and haemoglobinometers will be required at the beginning of the third trimester of the second year. The necessary books are conservatively estimated to cost about \$75 a year.

All students should assure themselves that they can carry the financial burdens involved with reasonable certainty up to the time of graduation. Experience has proved that the student will need his entire time and undivided interest for study. It is unwise to depend

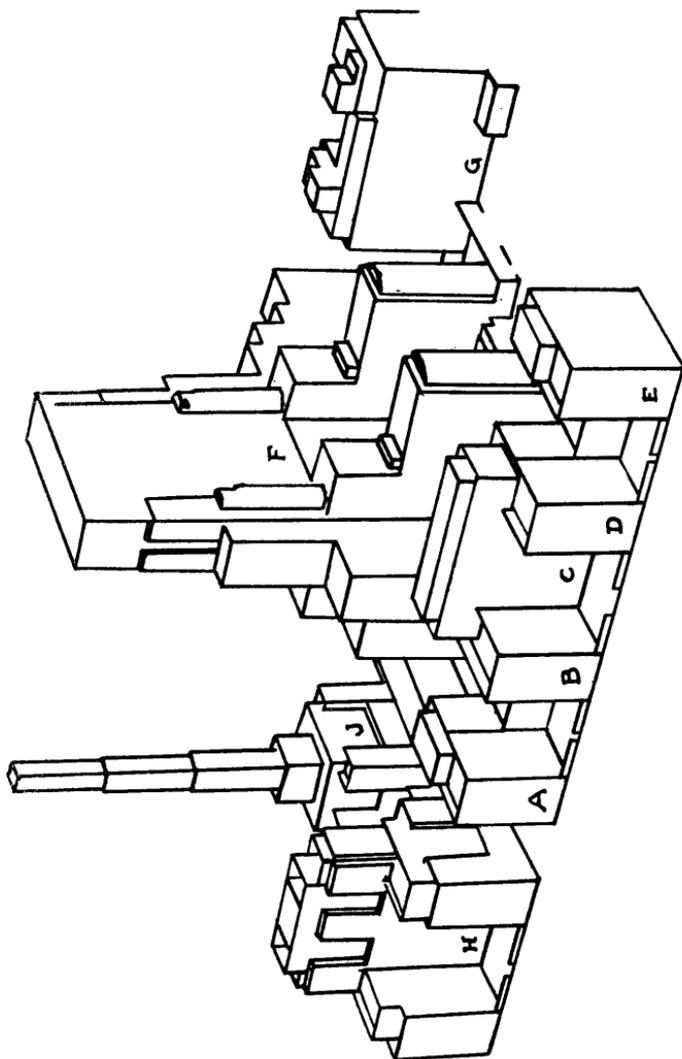
(Continued on page 34)



NEW YORK HOSPITAL — CORNELL MEDICAL COLLEGE
From the East showing Hospital



NEW YORK HOSPITAL — CORNELL MEDICAL COLLEGE
From the West showing Medical College



KEY TO THE PHOTOGRAPH ON THE OPPOSITE PAGE •

A: Anatomy.	E: Biochemistry and Pharmacology.
B: Bacteriology and Immunology.	F: New York Hospital.
C: Administration and Pathology.	G: Payne Whitney Psychiatric Clinic.
D: Physiology.	H: Nurses' Residence.
	J: Service and Power.

upon earning any part of one's expenses during the college year. A student indebted to the college is ineligible for graduation.

STUDENT HEALTH SERVICE

Members of the first year class and students transferred from other colleges are required to have a physical examination by a member of the Student Health staff. X-ray examinations of the lungs are made yearly. Students are re-examined at the end of their medical course. Daily office hours between one and two p. m. are held by the Student Health staff. Students pay no fee for the services of this staff, but must pay for special X-ray examination, hospitalization, and remedies. Health records are kept and students are advised concerning their physical condition and general health. All cases of illness must be reported to the college office. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the college Health Service is expected.

SCHOLARSHIPS*

1. **THE JOHN METCALFE POLK SCHOLARSHIP.** A gift under the will of William Mecklenberg Polk, the first Dean of the medical college, is awarded annually by the faculty. The scholarship amounts to about \$200 a year.

2. **THE THORNE SHAW SCHOLARSHIP FUND.** This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the medical college.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the medical college.

These scholarships are awarded by the faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session, and public announcement is made at the opening of the subsequent session in September.

3. **MARY F. HALL SCHOLARSHIP.** The income, amounting to about \$120 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a *bona fide* resident of the State of New York and was such prior to admission to the college.

4. **THE 1936 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND.** A five thousand dollar fund established in 1936, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year, providing the qualifications of the candidate merit a re-award. If during any year the income from above fund be not used, as above

*Scholarships are awarded primarily for merit, with need a secondary consideration.

stated, then said income may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

5. THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND. A five thousand dollar fund established in 1939, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year, providing the qualifications of the candidate merit a re-award. If during any year the income from above fund be not used, as above stated, then said income may be used for such research work, or otherwise, as in the judgment of the faculty (or trustees) may be deemed best.

PRIZES

1. FOR GENERAL EFFICIENCY. In commemoration of John Metcalfe Polk, an instructor in this college, who was graduated from Cornell University Medical College on June 7, 1899, and died on March 29, 1904, prizes will be presented at each commencement to the three students having the highest standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. FOR EFFICIENCY IN GYNECOLOGY. Established by Mrs. W. M. Polk in memory of William Mecklenburg Polk, M.D., LL.D., Dean and Professor of Gynecology in Cornell University Medical College from its founding in 1898 until his death, June 23, 1918, annual prizes are awarded to three members of the senior class, in order of merit, for special distinction in gynecology. The first prize is \$125, the second \$75, and the third \$50.

3. FOR EFFICIENCY IN OTOTOLOGY. Two prizes, the first of \$50, the second of \$25, are offered by Professor Frederick Whiting to the two students of the graduating class who make the best records in otology.

4. FOR EFFICIENCY IN OBSTETRICS. Two prizes, the first of \$60, the second of \$30, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

5. FOR EFFICIENCY IN GENERAL MEDICINE. The income of \$1,000 is offered as a prize for general efficiency in the Department of Medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

6. FOR EFFICIENCY IN RESEARCH. In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the medical college, two prizes are offered to regularly matriculated students of the Cornell University Medical College, the first of \$200, and the second of \$50.

The awards are made annually at the opening exercises of the medical college in September for the best reports presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked, "Dean William Mecklenburg Polk Memorial Prize Committee," and must be in the Administrative Office not later than the first day of September.

The committee of awards for this prize consists of two members of the faculty from laboratory departments, and two from clinical departments.

LOAN FUNDS

1. THE 1923 LOAN FUND. This fund amounts to \$400 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. ALUMNI ASSOCIATION LOAN FUNDS. The Alumni Association of the Medical College is able to aid a few students in meeting their expenses by the Jessie P. Andresen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The medical college is consulted in making these awards. Students in the upper classes will be given preference.

3. STUDENT LOAN FUND. A revolving fund founded by students in the medical college is available to members of the third and fourth year classes who are in need of assistance.

ALPHA OMEGA ALPHA

Alpha Omega Alpha is a non-secret, Medical College Honor Society, membership in which is based upon scholarship, moral qualifications being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed 2 years of a four-year curriculum, by unanimous vote of the active members acting on recommendations made by faculty advisers. Not more than one sixth of any class may be elected. As aspects of and indispensable to true scholarship come open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth.

The Cornell Chapter of A.O.A. was organized May 2, 1910. Students are elected from the two upper classes in the fall of each year. A large number of the faculty are members and play an active part in the functions of the society, which comprise an initiation-dinner and occasional meetings and discussion groups. The Chapter also sponsors an annual open lecture delivered in the Medical School Auditorium on a cultural or historical phase of medicine.

CORNELL UNIVERSITY MEDICAL COLLEGE
ALUMNI ASSOCIATION, INC.

Officers

Samuel A. Cosgrove, '07	President
John H. Morris, '14	Vice-President
Kenneth Johnson, '15	Secretary
A. Parks McCombs, '29	Treasurer

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association. The dues are \$2 a year, starting one year after graduation. Besides an annual Alumni Day held at the College and followed by a banquet, the activities of the Association include a quarterly publication, student loan funds, employment bureau, and work by committees of senior advisers, sons and daughters of Alumni, and internships and residencies. The Association maintains an office at 1300 York Avenue.

EDUCATIONAL POLICIES AND PLAN OF INSTRUCTION

The medical college is divided into thirteen major departments, six of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, bacteriology and immunology, pathology, and pharmacology. Seven departments have as their major functions the study, treatment, and prevention of human disease, and maternity care. These are medicine, surgery, pediatrics, psychiatry, obstetrics and gynecology, public health and preventive medicine.

The heads of these major departments, together with the President of the University and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the college.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of Medicine includes at least one, and often many more

years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work, or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-four weeks each. It is planned that studies may be pursued during vacation periods. This will provide an opportunity to shorten the time necessary to complete all required courses and allow more time for elective work. Study in other medical schools may also be arranged during the course if opportunities can be found.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the college to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time permits, with the hope that they may accomplish results worthy of publication. It is therefore desirable for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course, but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, and psychobiology. It is divided into trimesters.

During the second year the required courses in physiology, pathology, bacteriology and immunology, pharmacology, psychiatry, and medicine occupy the first two trimesters. The last is devoted to technical training preparatory to the study of patients, courses being given in the subjects of physical diagnosis, clinical pathology, applied pharmacology, infant feeding, neurology and neuropathology, and ophthalmology.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third and fourth year classes meet at noon each day for clinical lectures and demonstrations.

Time for elective work is provided in the fourth year, after students have had opportunities to acquire some knowledge of the medical sciences and of clinical medicine. Students are advised to consult informally members of the faculty in regard to the use of their time for elective work. It is deemed best not to establish a formal advisory system.

The faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.

Anatomy

JOSEPH C. HINSEY, Professor of Anatomy.

JOSÉ F. NONIDEZ, Professor of Anatomy.

CHARLES V. MORRILL, Associate Professor of Anatomy.

GEORGE PAPANICOLAOU, Associate Professor of Anatomy.

CHESTER L. YNTEMA, Assistant Professor of Anatomy.

LOUIS F. HAUSMAN, Associate in Neuro-Anatomy.

WALTER R. SPOFFORD, Instructor in Anatomy.

WARNER S. HAMMOND, Instructor in Anatomy.

CHARLES D. VAN CLEAVE, Instructor in Anatomy.

GEORGE A. WOLF, JR., Assistant in Anatomy.

EXPERIMENTAL MORPHOLOGY STATION

WILLIAM T. JAMES, Associate in Anatomy.

CHARLES S. APGAR, Instructor in Anatomy.

EMILIA M. VICARI, Assistant in Anatomy.

I. EMBRYOLOGY AND HISTOLOGY

The work in embryology presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. The course is closely correlated with that of gross anatomy.

The work in histology includes the histogenesis and microscopic structure of all organs of the human body with the exception of the central nervous system (See Neuro-anatomy). Emphasis is laid on the relation of structure to function.

The tissues are studied principally by means of stained sections and practice is given in rapid identification of their diagnostic features. Demonstrations of living material are made and opportunities are offered for acquiring the essentials of histological technique.

Laboratory and lectures, 206 hours, October to March. Required of all first year students.

II. NEURO-ANATOMY

A laboratory course on the gross and microscopic anatomy of the human nervous system. Special emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 85 hours. Required of all first year students during the third term.

III. GROSS ANATOMY OF THE HUMAN BODY

This is taught by means of laboratory exercises and dissections. The required work includes: (a) Dissection of the part. (b) Demonstrations, study, and discussion upon dissected and prepared specimens.

Total laboratory hours, 417. First and second terms of the first year. Required of all first year students.

IV. ELECTIVE COURSES

The following elective courses are given only by special arrangement with members of the staff and if a sufficient number of students apply.

Course I. GENERAL HISTOLOGY. This course will comprise a study of the various types of tissues which form the several organs of the vertebrate body. The structures will be studied not only from the mere morphological standpoint, but the various biological problems involved will be taken into consideration. The close relationship between structure and function will be elucidated. Professor NONIDIZ.

Course 2. EXPERIMENTAL EMBRYOLOGY. A few students who are especially interested in the problems of experimental embryology can obtain supervision in the study of the literature and methods of investigation. Professor YNTEMA.

Course 3. REGIONAL ANATOMY. This course will comprise a thorough review by means of dissections, demonstrations and reading of the gross anatomy, histology and development of selected regions of the body and of organs and organ systems.

Laboratory and demonstration, 3 half days a week for one month. Professor MORRILL.

Course 4. ANATOMICAL RESEARCH. To students desiring to pursue research in anatomical subjects the equipment of the entire department is available. Members of the staff will assign subjects and direct the progress of advanced work of this type. The work may be elected by students who enter with advanced credits, or by any student who has completed the preliminary courses in descriptive anatomy, histology and embryology. The course is also open to graduates in medicine or biology.

OTHER ELECTIVES. The Department of Anatomy will arrange a schedule of work to fit individual cases for a limited number of *fourth-year students* desiring to devote the major part or all of their elective time. Such work will be designed, in cases where sufficient time is available, to equip the student to become a laboratory assistant.

COURSES OPEN TO SPECIAL STUDENTS¹

1. EMBRYOLOGY, GENERAL HISTOLOGY, AND MICROSCOPICAL ANATOMY. September to March. Fee \$100. Details, page 39.

¹ Fees for the courses do not include matriculation and administration fees.

2. HISTOLOGICAL TECHNIC.² Laboratory at least three hours daily and conferences with instructors. Fee \$30.
3. GROSS ANATOMY. See Course III, page 40. Fee \$100 for complete course. Dissection² only (no instruction), fee \$30 per term of ten weeks; or for entire dissection, \$50.
4. NEURO-ANATOMY. March to May. Fee \$30. Details on page 39.
5. ANATOMICAL RESEARCH.² Subject to special arrangement with the head of the department.

² Courses may be begun at any time.

Biochemistry

VINCENT DU VIGNEAUD, Professor of Biochemistry.
RICHARD W. JACKSON, Associate Professor of Biochemistry.
DEAN BURK, Associate Professor of Biochemistry.
WILLIAM H. SUMMERSON, Instructor in Biochemistry.
JOSEPH P. CHANDLER, Instructor in Biochemistry.
GEORGE B. BROWN, Research Associate in Biochemistry.
FRITZ LIPMANN, Research Associate in Biochemistry.
JAY R. SCHENCK, Assistant in Biochemistry.
A. WESLEY MOYER, Assistant in Biochemistry.
FRANCIS BINKLEY, Assistant in Biochemistry.
WILLIAM P. ANSLOW, JR., Assistant in Biochemistry.

The instruction in biochemistry is concentrated in the first year and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of biochemistry which is necessary to the comprehension of the bearings of chemistry upon medicine.

The schedule during the first trimester is devoted to an intensive course in general biochemistry by means of lectures and conferences. During the second and third trimesters the instruction is centered largely in the laboratory and conference room, where the knowledge gained in the first trimester is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. Paralleling the laboratory work during the second and third trimesters is a series of lectures dealing with intermediary metabolism. Throughout these lectures the application of biochemistry to the study of disease and metabolic disturbances is stressed. Collateral reading in biochemical literature is encouraged.

First trimester. Lecture and conference course dealing with the biochemistry of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal putrefaction, and feces; the composition of the tissues, blood, milk, and urine. The elements of physical chemistry as applied to biology and medicine, with emphasis on the fundamental properties of electrolytes and colloids. 57 hours.

Second and third trimesters. Laboratory course with lectures and conferences, extending the work of the first trimester. The characteristics and the determination of carbohydrates, fats, and proteins, with special reference to their physiological importance and relationships. The chemistry of enzymes and of the digestive secretions and processes. Methods of analysis of urine, blood, gastric contents, and feces which are of aid in medical diagnosis. The chemistry of intermediary metabolism, of the internal secretions, and of the vitamins.

84 hours second trimester.

94 hours third trimester.

ELECTIVE COURSES

These courses are open to students of second, third, and fourth year classes.

1. **TISSUE METABOLISM AND ENZYME REACTIONS.** Lecture course one hour a week. Time to be arranged. Professor BURK and Dr. LIPMANN.
2. **ADVANCED LABORATORY WORK OR RESEARCH.** By special arrangement.

COURSES OPEN TO SPECIAL STUDENTS

1. **BIOCHEMISTRY.** Fee \$25 a term.
2. **BIOCHEMICAL LITERATURE.** Seminar course on the current literature in biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Hours to be arranged. Professors DU VIGNEAUD and JACKSON.
3. **BIOCHEMICAL PREPARATIONS.** A laboratory course dealing with the isolation, synthesis, and analysis of selected compounds of biological importance. Hours, credits, and fees to be arranged. The Staff.
4. **RESEARCH IN BIOCHEMISTRY.*** By arrangement with the head of the department.

*Courses may be begun at any time.

Physiology

— — —, Professor of Physiology.

DAYTON J. EDWARDS, Associate Professor of Physiology.

WILLIAM H. CHAMBERS, Associate Professor of Physiology.

ROBERT A. PHILLIPS, Assistant Professor of Physiology.

KENDRICK HARE, Assistant Professor of Physiology.

CHARLES O. WARREN, JR., Instructor in Physiology.

SAMUEL B. BARKER, Assistant in Physiology.

First year. Lectures, laboratory, demonstrations, and conferences. Physiology of muscle and nerve, visceral nervous system, blood, circulation, digestion, excretion, and respiration. Laboratory work includes experiments on nerve and muscle, visceral nervous system, circulation, and digestion. 131 hours.

Second Year. Lectures, laboratory, demonstrations, and conferences. Physiology of metabolism, endocrines, sense organs, and central nervous system. Laboratory includes experiments on metabolism, excretion, blood, respiration, endocrines, sense organs, and central nervous system. 129 hours.

The course of instruction in physiology is directed toward an understanding of the principles involved in the functioning of the human body and the integration of its various systems. The lectures are supplemented by references to the current literature. The department is fortunate in having housed on the fourth floor of its building the Graham Lusk Library of Physiology, a gift to the department from its late Professor, Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, hand books, and text books and is being supplemented by some of the current journals and monographs. In addition to the college library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with the lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participation and cooperation of staff members of various departments in the Medical College and the New York Hospital.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

COURSES OPEN TO SPECIAL STUDENTS

1. **PHYSIOLOGY.** Fee \$100 for each term.
2. **PHYSIOLOGICAL RESEARCH.** Subject to special arrangement with the head of the department.

Bacteriology and Immunology

JAMES M. NEILL, Professor of Bacteriology and Immunology.

JOHN Y. SUGG, Assistant Professor of Bacteriology and Immunology.

THOMAS P. MAGILL, Assistant Professor of Bacteriology and Immunology.

EDWARD JAMES HEHRE, Instructor in Bacteriology and Immunology.

EVELYN JAFFE, Assistant in Bacteriology and Immunology.

The course given to second year students consists of lectures, laboratory work, and group conferences. Emphasis is placed upon the aspects of bacteriology and of immunology that are pertinent to an understanding of the infectious diseases. The course includes an analysis of the actual constituents of a number of important biological products in order to furnish a basis for interpretation of the value and the limitations of their uses in the treatment and prevention of infectious diseases. The study of material from patients is included in the laboratory part of the course, not only to acquaint the student with the technical procedures, but to illustrate the application of fundamental principles to practical methods. 146 hours.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to bacteriology and immunology.

Pathology

EUGENE L. OPIE, Professor of Pathology.
JAMES EWING, Professor of Oncology.
ROBERT A. MOORE, Associate Professor of Pathology.
JACOB FURTH, Associate Professor of Pathology.
LEWIS D. STEVENSON, Associate Professor of Neuropathology.
D. MURRAY ANGEVINE, Assistant Professor of Pathology.
JULES FREUND, Assistant Professor of Pathology.
GEORGE M. HASS, Assistant Professor of Pathology.
RICHARD W. LINTON, Assistant Professor of Pathology.
FRED W. STEWART, Associate in Pathology.
MILTON HELPERN, Instructor in Pathology.
ROBERT W. HUNTINGTON, Instructor in Pathology.
ELVIN A. KABAT, Instructor in Pathology.
CHARLES T. OLCOTT, Instructor in Pathology.
SIDNEY ROTHBARD, Instructor in Pathology.
JOHN A. SAXTON, JR., Instructor in Pathology.
WILLIAM A. BARNES, Assistant in Pathology.
NEWTON KRUMDIECK, Assistant in Pathology.
JACOB WERNE, Assistant in Pathology.

GENERAL PATHOLOGY

FACILITIES. The department of pathology occupies three floors of the central part of the college building, conveniently located above the library and in immediate contact with the hospital, the autopsy room being in the connecting wing between college and hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and class rooms are found. The fourth and fifth floors are chiefly unit laboratories for staff members and graduate students and for technical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The pathological service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at New York Hospital have been preserved since 1851 and in recent years protocols and microscopic slides have been carefully indexed and filed.

Instruction. The course of instruction is given in the second and

third trimesters of the second year. Gross and histological lesions, their pathogenesis and correlation with disturbed function are studied; there are experiments, lectures, and class room demonstrations. These are supplemented by study of gross pathology at the autopsy table. The course begins with the degenerations, inflammation, and repair, and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systemic pathology including an introduction to neuropathology.

COURSE I. GENERAL PATHOLOGY. Laboratory work with lectures and gross and microscopical demonstrations. The work covers inflammation, degeneration, regeneration, infectious diseases, and tumors.

Required in the second trimester of the second year.

COURSE II. SYSTEMATIC PATHOLOGY. Laboratory work with lectures on the pathology of various organ systems.

Required in the second and third trimesters of the second year.

Total Courses I and II, 315 hours.

Professors OPIE, FURTH, FREUND, ANGEVINE, LINTON, and staff.

COURSE III. NEUROPATHOLOGY. The pathology of the nervous system is studied and altered structure and function correlated. Dr. STEVENSON.

COURSE IV. INTRODUCTION TO THE CORRELATION OF CLINICAL MEDICINE, SURGERY, PHYSIOLOGY, and PATHOLOGY. A course conducted by the Departments of Pathology, Medicine, Surgery, and Physiology to illustrate the anatomy and physiology of disease observable in patients.

COURSE V. CLINICAL PATHOLOGICAL CONFERENCES. These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of disease are correlated with changes found at autopsy.

ELECTIVE COURSES

A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of several fields, to be determined by consultation with the head of the department. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months, and may be continued into the summer.

A clerkship of one month at Memorial Hospital, under the direction of Dr. James Ewing and Dr. Frank E. Adair, is open to senior students each month of the academic year. Instruction is offered in the pathology, diagnosis, and treatment of cancer and related diseases.

COURSE OPEN TO STUDENTS OF THE
GRADUATE SCHOOL

Opportunity is afforded a limited number of students to engage in research under the direction of a member of the department. The student must devote his entire time to work in pathology and related subjects. By special arrangement this work may be pursued at the Memorial Hospital in cancer research.

Pharmacology

McKEEN CATTELL, Associate Professor of Pharmacology.

HARRY GOLD, Assistant Professor of Pharmacology.

JANET TRAVELL, Instructor in Pharmacology.

ADE T. MILHORAT, Instructor in Pharmacology.

WALTER MODELL, Assistant in Pharmacology.

Course I. SYSTEMATIC PHARMACOLOGY. Laboratory work, demonstrations, conferences, and lectures given during the first trimester of the second year. The experiments are designed to illustrate a wide range of pharmacologic effects, the more important drugs being considered with reference to their action on different structures and their behavior in the organism. At a later conference, the laboratory data obtained by the class are assembled and discussed in relation to each other and to experiments reported in the literature. This course also includes elementary pharmacy and toxicology, with a consideration of crude drugs, practice in the making of pharmacopeial preparations, toxicological analysis, and prescription writing. 110 hours.

Course II. APPLIED PHARMACOLOGY. This course is given during the third trimester of the second year and is a continuation of Course I. It is intended to fill a gap between experimental pharmacology and the clinical use of drugs, and deals with substances, the pharmacological action of which can best be demonstrated on human material. Emphasis is placed on investigations dealing directly with the human subject in health and disease. This part of the course has been arranged in collaboration with the Department of Medicine and makes use of the available clinical material. 22 hours.

Course III. CONFERENCES ON THERAPY. Informal conferences on the treatment of disease conducted by the members of the Departments of Medicine and Pharmacology. Weekly during the first half year. Elective for fourth year students.

Course IV. RESEARCH. Arrangements are made for individuals or groups to participate in original investigations with a view to learning the methods of pharmacological research. Special opportunities are afforded for work on muscle-nerve, autonomic nervous system, and the circulation. Elective.

Medicine

EUGENE F. DU BOIS, Professor of Medicine.
LEWIS A. CONNER, Professor of Clinical Medicine.
WILLIAM R. WILLIAMS, Professor of Clinical Medicine.
WALTER L. NILES, Professor of Clinical Medicine.
MALCOLM GOODRIDGE, Professor of Clinical Medicine.
JOSEPH C. ROPER, Professor of Clinical Medicine.
RUSSELL L. CECIL, Professor of Clinical Medicine.
WILLIAM S. LADD, Professor of Clinical Medicine.
HANS J. SCHWARTZ, Professor of Clinical Medicine (Dermatology).
FOSTER KENNEDY, Professor of Clinical Medicine (Neurology).
CARY EGGLESTON, Associate Professor of Clinical Medicine.
CONNIE M. GUION, Associate Professor of Clinical Medicine.
LOUIS D. HAUSMAN, Associate Professor of Clinical Medicine (Neur.).
ASA L. LINCOLN, Associate Professor of Clinical Medicine.
JOHN H. RICHARDS, Associate Professor of Clinical Medicine.
HENRY B. RICHARDSON, Associate Professor of Clinical Medicine.
LEWIS D. STEVENSON, Associate Professor of Clinical Medicine (Neur.).
HAROLD J. STEWART, Associate Professor of Medicine.
HAROLD G. WOLFF, Associate Professor of Medicine.
BENJAMIN I. ASHE, Assistant Professor of Clinical Medicine.
HORACE S. BALDWIN, Assistant Professor of Clinical Medicine.
ROBERT A. COOKE, Assistant Professor of Clinical Medicine.
LOYD F. CRAVER, Assistant Professor of Clinical Medicine.
EDWARD CUSSLER, Assistant Professor of Clinical Medicine.
CLAUDE E. FORKNER, Assistant Professor of Clinical Medicine.
LEON I. LEVINE, Assistant Professor of Clinical Medicine.
EDGAR MAYER, Assistant Professor of Clinical Medicine.
ADE T. MILHORAT, Assistant Professor of Medicine.
DOUGLASS PALMER, Assistant Professor of Clinical Medicine.
HAROLD E. B. PARDEE, Assistant Professor of Clinical Medicine.
PAUL REZNIKOFF, Assistant Professor of Clinical Medicine.
EPHRAIM SHORR, Assistant Professor of Medicine.
RALPH W. STILLMAN, Assistant Professor of Medicine (Clin. Path.).
EDWARD TOLSTOI, Assistant Professor of Clinical Medicine.
BRUCE WEBSTER, Assistant Professor of Clinical Medicine.
GEORGE W. WHEELER, Assistant Professor of Medicine (Clin. Path.).
HARRY A. BRAY, Associate in Medicine (Tuberculosis).
ELISABETH ADAMS, Instructor in Medicine.
D. MURRAY ANGEVINE, Instructor in Medicine.
ARTHUR J. ANTENUCCI, Instructor in Medicine.
ABRAHAM A. ANTOVILLE, Instructor in Medicine.
WILLIAM M. ARCHER, Instructor in Medicine
JAMES R. BEARD, JR., Instructor in Medicine.

ZACHARIAS BERCOWITZ, Instructor in Medicine.
JAMES M. BETHEA, Instructor in Medicine.
GEORGE E. BINKLEY, Instructor in Medicine.
KEEVE BRODMAN, Instructor in Medicine.
JACOB BUCKSTEIN, Instructor in Medicine.
KATHERINE BUTLER, Instructor in Medicine.
JOHN E. DEITRICK, Instructor in Medicine.
PETER G. DENKER, Instructor in Medicine.
EDWARD M. DODD, Instructor in Medicine.
JOHN C. DUNDEE, Instructor in Medicine.
HENRY S. DUNNING, Instructor in Medicine.
HERBERT K. ENSWORTH, Instructor in Medicine.
FRANK M. FALCONER, Instructor in Medicine.
EMIL A. FALK, Instructor in Medicine.
GEORGE H. FONDE, Instructor in Medicine.
FRANK P. FOSTER, Instructor in Medicine.
BEN FRIEDMAN, Instructor in Medicine.
CONSTANCE FRIESS, Instructor in Medicine.
JOHN M. GIBBONS, Instructor in Medicine.
ANDREW J. GILMOUR, Instructor in Medicine.
DAVID GLUSKER, Instructor in Medicine.
ARTHUR W. GRACE, Instructor in Medicine.
THOMAS N. GRAHAM, Instructor in Medicine.
SIDNEY GREENBERG, Instructor in Medicine.
EDWIN T. HAUSER, Instructor in Medicine.
LOUIS A. HAUSER, Instructor in Medicine.
MILTON HELPERN, Instructor in Medicine.
EVELYN HOLT, Instructor in Medicine.
LESLIE A. HOMRICH, Instructor in Medicine.
FREDERICK H. HOWARD, Instructor in Medicine.
LEIF Y. JACOBSEN, Instructor in Medicine.
SCOTT JOHNSON, Instructor in Medicine.
LEMOYNE C. KELLY, Instructor in Medicine.
ESTELLE KLEIBER, Instructor in Medicine.
MILTON M. KRAMER, Instructor in Medicine.
DANIEL G. KULHATHAU, Instructor in Medicine.
MICHAEL LAKE, Instructor in Medicine.
EDGAR A. LAWRENCE, Instructor in Medicine.
DOROTHEA LEMCKE, Instructor in Medicine.
GEORGE M. LEWIS, Instructor in Medicine.
ROBERT M. LINTZ, Instructor in Medicine.
ROBERT O. LOEBEL, Instructor in Medicine.
ISABEL LONDON, Instructor in Medicine.
MARY E. LOVELESS, Instructor in Medicine.
KIRBY MARTIN, Instructor in Medicine.
A. PARKS McCOMBS, Instructor in Medicine.
WALSH McDERMOTT, Instructor in Medicine.

ROBERT B. MCKITTRICK, Instructor in Medicine.
 FREDERICK H. MERRILL, Instructor in Medicine.
 RAYMOND E. MILLER, Instructor in Medicine.
 L. MARY MOENCH, Instructor in Medicine.
 WILLIS A. MURPHY, Instructor in Medicine.
 CARL MUSCHENHEIM, Instructor in Medicine.
 HENRY D. NILES, Instructor in Medicine.
 THEODORE W. OPPEL, Instructor in Medicine.
 NORMAN PAPAE, Instructor in Medicine.
 FRANK H. PETERS, Instructor in Medicine.
 NORMAN PLUMMER, Instructor in Medicine.
 HERBERT POLLACK, Instructor in Medicine.
 ARTHUR H. RAYNOLDS, Instructor in Medicine.
 SOPHIE A. ROOT, Instructor in Medicine.
 LIONEL C. RUBIN, Instructor in Medicine.
 THERESA SCANLAN, Instructor in Medicine.
 DONALD J. SIMONS, Instructor in Medicine.
 AARON D. SPIELMAN, Instructor in Medicine.
 GUSTAV I. STEFFEN, Instructor in Medicine.
 JOHN W. STICKNEY, Instructor in Medicine.
 WILLIAM D. STUBENBORD, Instructor in Medicine.
 LEONARD TARR, Instructor in Medicine.
 ALPHONSE A. TIMPANELLI, Instructor in Medicine.
 MARIAN TYNDALL, Instructor in Medicine.
 SAMUEL R. VOLPE, Instructor in Medicine.
 MARY WALTON, Instructor in Medicine.
 CHARLES H. WHEELER, Instructor in Medicine.
 BYARD WILLIAMS, Instructor in Medicine.
 DAN H. WITT, Instructor in Medicine.
 S. BERNARD WORTIS, Instructor in Medicine.
 SEYMOUR ZUCKER, Instructor in Medicine.
 JAMES D. HARDY, Research Associate in Medicine.
 SAMUEL B. BARKER, Research Fellow in Medicine.
 WILLIS F. EVANS, Research Fellow in Medicine.
 WALTER H. HOSKINS, Research Fellow in Medicine.
 BELA MITTELMANN, Research Fellow in Medicine.
 CHARLES H. RICHARDS, Research Fellow in Medicine.
 BENJAMIN F. STIMMEL, Research Fellow in Medicine.
 ROBERT L. BAILEY, JR., Assistant in Medicine.
 WILBUR G. DOWNS, Assistant in Medicine.
 JAMES R. GUDGER, Assistant in Medicine.
 FREDERIC J. HUGHES, Assistant in Medicine.
 GEORGE L. KAUER, JR., Assistant in Medicine.
 DONALD J. MACRAE, Assistant in Medicine.
 GEORGE A. SCHUMACHER, Assistant in Medicine.
 JOHN J. SMITH, Assistant in Medicine.
 MATTHEW WALZER, Assistant in Medicine.
 FREDERICK C. WEBER, JR., Assistant in Medicine.
 STEWART G. WOLF, JR., Assistant in Medicine.

CLINICAL PATHOLOGY

An introductory required course is given by Dr. Stillman, in the third trimester of the second year, consisting of lectures and laboratory work. Among the topics discussed are the theory, practice and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied will include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. There will be included discussion of the clinical significance of findings. In addition, certain allergic phenomena will be presented in lecture and demonstration and their clinical relationship discussed. Total hours, 126.

MEDICINE

Students begin their course in medicine in the second trimester of the second year with physical diagnosis under Dr. Stewart. They are introduced to this subject in the second trimester (two afternoons a week) by means of lectures, demonstrations, and practical work on normal subjects and patients. In the third trimester they spend two mornings a week with the patients either in the pavilions or in the out-patient department of New York Hospital, or on the wards of the Lincoln Hospital. The course in neurology is given by Dr. Wolff in the third trimester.

In the second, third, and fourth quarters of the third year, one third of the class will be clinical clerks in medicine in the pavilions of New York Hospital or the wards of the Second Medical Division of Bellevue Hospital.

The medical wards of the New York Hospital under the supervision of Dr. Du Bois comprise four public pavilions totalling 113 beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the care of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. The other subdepartments are on the same basis. These are circulation, hematology, infections, metabolism, and syphilis. All of these have beds at their disposal, although the majority of patients are assigned to the general service rather than to any one subdivision. An active pulmonary service is functioning in close cooperation with the surgical service and the pediatric service. Beds on the fourth floor are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. The syphilis service (Medicine L) is organized for the study of all phases of the disease as well as for the epidemiological control. There is close cooperation with the department of psychiatry in the study of the neuroses and early manifestations of psychoses found in the wards and dispensary.

The third year clinical clerkship at the New York Hospital is under

the direction of Drs. Du Bois, Richardson, and Deitrick. The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as is practical, namely, the recording, in the hospital records, of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by the house staff. Additional teaching consists in daily teaching rounds with the visiting staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by the amphitheatre clinics and pathological conferences which are held throughout the academic year.

Students may elect a clerkship at Bellevue Hospital under Dr. Lincoln. The methods of teaching are much the same as at New York Hospital and emphasis is placed on the firm grounding of students in the fundamental facts of internal medicine. In addition to clinical, laboratory, and autopsy facilities, textbooks, collateral reading, bedside clinics, and pathological conferences are employed. By these means the various systems of the body are studied with an ordered approach. The more important therapeutic measures are also discussed. Time is reserved to each student for the study of selected cases. This clerkship is offered during the summer to 14 students.

The senior students are divided into four groups, each of which devotes one quarter of the college year to general medicine and the medical specialties. They spend the quarter under the direction of Dr. Reznikoff in the out-patient department of New York Hospital, where they are assigned in small groups to sections in general medicine and clinics devoted to special studies such as neurology, dermatology, syphilis, diabetes, gastro-intestinal diseases, diseases of the circulatory system, diseases of the lungs, endocrine conditions, hematology, arthritis, and allergy. Other special departments of the clinic such as physiotherapy, dietotherapy, and social service are open to the fourth year clerks. The practical work with the patients will be supplemented by seminars, clinics, lectures, demonstrations, and weekly presentations of subjects by the students themselves. This clerkship may be taken during the summer months by a limited number of students. Modification of the course may be made to suit individual requirements.

Amphitheatre clinics will be held each week during the academic year. These will be given separately to third and fourth year students to conform to their respective stages of development. Clinical-pathological conferences organized by the Department of Pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE COURSES

During the summer months students will be given the opportunity of taking their third year clerkships at New York Hospital or Bellevue

Hospital, and fourth year clerkships at the New York Hospital. By so doing, they may anticipate the work of the following year and spend the equivalent time in elective work.

Each month one eighth of the fourth year class will be free for elective work. A variety of courses is available to these students. In many instances more than one course is offered on a single subject, so that the student may make a choice of instructors. Opportunities will be given in the special clinics devoted to diseases of the circulatory system, lungs, metabolism, internal secretions, neurology, syphilis, dermatology, hematology, arthritis, allergy, and gastro-intestinal disorders. Electives in general medicine and its subdivisions are offered at Bellevue Hospital. Arrangements are made during the third and fourth years for special work in tuberculosis under Dr. BRAY at the New York State Hospital for Incipient Tuberculosis at Ray Brook. This includes elective courses from January 1 through June and internships during the summer. A similar summer internship in tuberculosis is offered at Stony Wold Sanatorium.

Students who wish to engage in research, either in the wards or in the laboratories, or who have problems in which they are interested, will be given every encouragement within the limits of the time at their disposal. They should recollect, however, that a research interest in no wise takes the place of the usual academic rating.

Students receive the major part of their training in diseases of the nervous system under Dr. Wolff in the department of medicine at New York Hospital and electives are available in neurology in addition to the training in the medical clerkship. There are well equipped laboratories available for special investigation. The neurological service at Bellevue Hospital under Dr. Foster Kennedy also offers unusual opportunities for clinical study and special investigation. It consists of wards for adults for the study of medical and surgical neurology. In addition, the laboratory for experimental neurology, under the direction of Dr. WORTIS and the laboratory for neuropathology under the direction of Dr. STEVENSON are integrated with the medical and surgical work. All these services are available for the instruction of graduate and undergraduate students. The laboratory for experimental neurology is also available for instruction in research methods.

Obstetrics and Gynecology

- HENRICUS J. STANDER, Professor of Obstetrics and Gynecology.
HERBERT F. TRAUT, Associate Professor of Obstetrics and Gynecology.
R. GORDON DOUGLAS, Associate Professor of Obstetrics and Gynecology.
JAMES A. HARRAR, Associate Professor of Clinical Obstetrics and Gynecology.
HERVEY C. WILLIAMSON, Assistant Professor of Clinical Obstetrics and Gynecology.
LUCIUS A. WING, Assistant Professor of Clinical Obstetrics and Gynecology.
JOHN F. McGRATH, Assistant Professor of Clinical Obstetrics and Gynecology.
BYRON H. GOFF, Assistant Professor of Clinical Obstetrics and Gynecology.
ANDREW A. MARCHETTI, Assistant Professor of Obstetrics and Gynecology.
D. SCOTT BAYER, Instructor in Obstetrics and Gynecology.
WILLIAM H. CARY, Instructor in Obstetrics and Gynecology.
OGDEN F. CONKEY, Instructor in Obstetrics and Gynecology.
EDWARD H. DENNEN, Instructor in Obstetrics and Gynecology.
LYNN L. FULKERSON, Instructor in Obstetrics and Gynecology.
RALPH W. GAUSE, Instructor in Obstetrics and Gynecology.
ARTHUR V. GREELEY, Instructor in Obstetrics and Gynecology.
WILLIAM H. HAWKINS, Instructor in Obstetrics and Gynecology.
CARL T. JAVERT, Instructor in Obstetrics and Gynecology.
KATHERINE KUDER, Instructor in Obstetrics and Gynecology.
HOWARD S. McCANDLISH, Instructor in Obstetrics and Gynecology.
CHARLES M. McLANE, Instructor in Obstetrics and Gynecology.
JOSEPH N. NATHANSON, Instructor in Obstetrics and Gynecology.
JOHN A. O'REGAN, Instructor in Obstetrics and Gynecology.
JOHN B. PASTORE, Instructor in Obstetrics and Gynecology.
MEYER ROSENZOHN, Instructor in Obstetrics and Gynecology.
FRANK R. SMITH, Instructor in Obstetrics and Gynecology.
RAYMOND R. SQUIER, Instructor in Obstetrics and Gynecology.
KYLE B. STEELE, Instructor in Obstetrics and Gynecology.
RALPH C. BENSON, Assistant in Obstetrics and Gynecology.
ROBERT L. CRAIG, Assistant in Obstetrics and Gynecology.
GERARD DEL JUNCO, Assistant in Obstetrics and Gynecology.
LESTON E. FITCH, Assistant in Obstetrics and Gynecology.
OSCAR GLASSMAN, Assistant in Obstetrics and Gynecology.
EUGENE GRIFFIN, Assistant in Obstetrics and Gynecology.
JAMES E. MILLER, Assistant in Obstetrics and Gynecology.
LUDWIG NEUGARTEN, Assistant in Obstetrics and Gynecology.

NELSON B. SACKETT, Assistant in Obstetrics and Gynecology.
JACOB T. SHERMAN, Assistant in Obstetrics and Gynecology.
CHARLES T. SNYDER, Assistant in Obstetrics and Gynecology.

GENERAL STATEMENT

FACILITIES: The Woman's Clinic of the New York Hospital provides 164 beds for teaching purposes in obstetrics and gynecology. The students are given practical instruction in the delivery and operating rooms, as well as on the wards, where they serve as clinical clerks. In addition they work in the out-patient department clinics of gynecology, obstetrics, cystoscopy, and sterility.

An outdoor delivery service is conducted in conjunction with the Woman's Clinic. The facilities of the John E. Berwind Free Maternity Clinic afford an unusual opportunity for students to conduct home deliveries under careful supervision by the attending and resident staff. There are approximately 75 deliveries a month on this service.

The total obstetrical service, hospital and home, cares for approximately 3700 confinements a year, while the gynecological section admits about 1200 patients annually.

I. THIRD YEAR

COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY. The course consists of lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of the diseases of the pelvic structures.

Tuesdays and Saturdays 12-1 p.m., throughout the year, to the whole class. Professors STANDER, TRAUT, HARRAR, WILLIAMSON, DOUGLAS, and MARCHETTI. Total hours, 67.

COURSE II. LABORATORY INSTRUCTION. This course comprises instruction in obstetrical and gynecological pathology and bacteriology and is given throughout the first quarter of the year. The bacteriological exercises are from 9-10 on Monday and Thursday mornings and the pathological from 9-11 on Wednesdays and Fridays. Total hours, 53.

COURSE III. PRACTICAL INSTRUCTION. Abdominal palpation, pelvic examination, and manikin exercises are offered to one-third of the class throughout each of the last three quarters on Mondays and Fridays from 10-12 a.m.

COURSE IV. WARD ROUNDS. Monday and Friday, 9-10 a.m. Professor STANDER and Staff. Total hours, 50 for courses III and IV.

II. FOURTH YEAR

MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY. This course comprises practical work in obstetrics and gynecology and is the sequel to

the theoretical instruction offered to the third year students. Each student will live in the Woman's Clinic and the Berwind Clinic for a period of two months, during which time he will act as a clinical assistant in the obstetrical and gynecological departments, hospital wards, and delivery and operating rooms. He will be provided with sleeping accommodations, but not with board.

The practical work includes the prenatal care of many patients, attending them in labor, their delivery, as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine gynecological patients, and to follow these patients through diagnostic and therapeutic procedures.

Two months' residence throughout the quarter. Minimum, 365 hours. Because of the nature of the service, night and holiday work is required.

ELECTIVE COURSES

PRACTICAL OBSTETRICS AND GYNECOLOGY. A certain number of students will be accepted for periods of one month to serve as assistants in the clinic.

Pediatrics

SAMUEL Z. LEVINE, Professor of Pediatrics.
OSCAR M. SCHLOSS, Professor of Clinical Pediatrics.
PARKER DOOLEY, Assistant Professor of Pediatrics.
MILTON J. E. SENN, Assistant Professor of Pediatrics (In Psychiatry).
ARTHUR F. ANDERSON, Assistant Professor of Clinical Pediatrics.
JESSE F. SAMMIS, Assistant Professor of Clinical Pediatrics.
CARL H. SMITH, Assistant Professor of Clinical Pediatrics.
PHILIP M. STIMSON, Assistant Professor of Clinical Pediatrics.
MAY G. WILSON, Assistant Professor of Clinical Pediatrics.
ROBERT O. DU BOIS, Associate in Pediatrics.
HARRY H. GORDON, Associate in Pediatrics.
FREDERICK C. HUNT, Associate in Pediatrics.
THOMAS E. WALDIE, Associate in Pediatrics.
HAROLD B. ADAMS, Instructor in Pediatrics.
M. BERNARD BRAHDY, Instructor in Pediatrics.
CLEMENT B. P. COBB, Instructor in Pediatrics.
MARGARET DANN, Instructor in Pediatrics.
JOHN E. FRANKLIN, Instructor in Pediatrics.
JAMES M. HANKS, Instructor in Pediatrics.
HELEN HARRINGTON, Instructor in Pediatrics.
HAROLD E. HARRISON, Instructor in Pediatrics.
HEDWIG KOENIG, Instructor in Pediatrics.
MILTON I. LEVINE, Instructor in Pediatrics.
CHARLES H. O'REGAN, Instructor in Pediatrics.
BETTY HUSE, Instructor in Pediatrics.
WILLIAM M. SCHMIDT, Instructor in Pediatrics.
BENJAMIN McL. SPOCK, Instructor in Pediatrics.
JOHN A. WASHINGTON, Instructor in Pediatrics.
T. DURLAND VAN ORDEN, Instructor in Pediatrics.
LOUIS E. WEYMULLER, Instructor in Pediatrics.
MARJORIE A. WHEATLEY, Instructor in Pediatrics.
RUTH BARNHART, Assistant in Pediatrics.
MARTIN J. GLYNN, JR., Assistant in Pediatrics.
SALMON R. HALPERN, Assistant in Pediatrics.
MARTHA K. REESE, Assistant in Pediatrics.
LOUISE A. YEAZELL, Assistant in Pediatrics.

SECOND YEAR. During the third trimester a course is given on the principles of nutrition and the art of infant feeding. Total hours, 11.

THIRD YEAR. A clinical lecture once a week throughout the entire school year presents cases illustrating diseases peculiar to early life. Groups of students are assigned to the wards where they are given instruction in diagnosis and treatment. Instruction in contagious diseases is given at the Willard Parker Hospital. Total hours, 132.

FOURTH YEAR. Groups of students are on duty in the out-patient department. Here they gain experience in history taking, physical examination, and treatment. Total hours, 71.

ELECTIVE COURSES

Three types of elective courses are offered: clinical clerkships on the pavilions; out-patient work in the general and special clinics; and a combination of the two services. The first of these courses is open both to third and fourth year students, following completion of required work in pediatrics in the third year. The latter two courses are open only to fourth year students following completion of all prescribed work in pediatrics.

A limited number of students serve as clinical clerks on the pavilions. They are assigned to patients on admission to the hospital and given an opportunity to follow the clinical course of sick children and to become familiar with diagnostic and therapeutic procedures. These observations are supplemented by attendance at staff meetings and rounds and by individual conferences with instructors.

Out-patient clinical clerkships comprise work in the general clinic and in special clinics devoted to prophylactic procedures, allergy, syphilis, endocrine disturbances, and heart disease in children.

A combination of pavilion and out-patient work may be arranged in special instances.

All courses are given for full time periods of one month throughout the year.

Psychiatry

OSKAR DIETHELM, Professor of Psychiatry.
CLARENCE O. CHENEY, Professor of Clinical Psychiatry.
PHYLLIS GREENACRE, Professor of Clinical Psychiatry.
GEORGE W. HENRY, Associate Professor of Clinical Psychiatry.
NORMAN CAMERON, Associate Professor of Psychology.
GERALD R. JAMEISON, Assistant Professor of Psychiatry.
JAMES H. WALL, Assistant Professor of Clinical Psychiatry.
MILTON J. E. SENN, Assistant Professor of Pediatrics in Psychiatry.
CARL A. BINGER, Assistant Professor of Clinical Medicine.
WILLIS E. MERRIMAN, Associate in Psychiatry.
EDWARD B. ALLEN, Instructor in Psychiatry.
VALER BARBU, Instructor in Psychiatry.
EDWIN J. DOTY, Instructor in Psychiatry.
WILLIAM H. DUNN, Instructor in Psychiatry.
B. MILDRED EVANS, Instructor in Psychiatry.
EMELINE P. HAYWARD, Instructor in Psychiatry.
MARIANNE HORNEY, Instructor in Psychiatry.
MABEL HUSCHKA, Instructor in Psychiatry.
RUTH EMILIE JAEGER, Instructor in Psychiatry.
NORVELLE C. LAMAR, Instructor in Psychiatry.
MICHAEL P. LONERGAN, Instructor in Psychiatry.
LESLIE E. LUEHRS, Instructor in Psychiatry.
ARTHUR M. PHILLIPS, Instructor in Psychiatry.
LINCOLN RAHMAN, Instructor in Psychiatry.
HERBERT S. RIPLEY, Instructor in Psychiatry.
CHARLES DILLER RYAN, Instructor in Psychiatry.
GEORGE S. SPRAGUE, Instructor in Psychiatry.
MARION STRANAHAN, Instructor in Psychiatry.
HANS SYZ, Instructor in Psychiatry.
BETTINA WARBURG, Instructor in Psychiatry.
J. LOUISE DESPERT, Research Associate in Psychiatry.
CHARLES BOHNENGEL, Assistant in Psychiatry.
VERONICA C. BROWN, Assistant in Psychiatry.
A. LOUISE BRUSH, Assistant in Psychiatry.
FRANCIS J. HAMILTON, Assistant in Psychiatry.
RALPH P. HARLOW, Assistant in Psychiatry.
CHARLES M. HOLMES, Assistant in Psychiatry.
JOSEPH W. OWEN, Assistant in Psychiatry.
FRED VERNAM ROCKWELL, Assistant in Psychiatry.
LEO STONE, Assistant in Psychiatry.
MARSHALL JONES, Assistant in Psychology.

The Department of Psychiatry offers instruction during each of the four years of the medical course. The science of the functions of the

personality, psychobiology, is considered of fundamental importance as the groundwork for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods for their examination and study. In the third year this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic. In the Out-Patient Department, during the fourth year, he participates in the study and treatment of the diverse problems presenting themselves in general psychiatric consulting practice. Through instruction and practical work at the Manhattan State Hospital, the student gains an understanding of a wide variety of mental disorders of various stages and especially of the organic type. The importance of personality issues in general medicine is taught in the medical pavilions of the New York Hospital and in the out-patient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

FIRST YEAR. PSYCHOBIOLOGY. This course acquaints the student with the functions of the personality. Through participation in discussions and various tests he learns the basic principles and methods of psychobiology. A study of his own personality gives him an opportunity for methodical investigation and for constructive utilization of personality functions. Total hours, 21.

SECOND YEAR. INTRODUCTORY PSYCHIATRY. In this course the various psychopathological phenomena are demonstrated and the student has an opportunity to study them in selected patients at the Manhattan State Hospital. This permits practical experience in the methods of examination. Total hours, 33.

THIRD YEAR. COURSES IN PSYCHIATRY. In the In-Patient Department of the Payne Whitney Psychiatric Clinic the various reaction-types are presented and studied; in the medical pavilions of the New York Hospital personality issues in general medicine and cases where psychiatric conditions have developed are discussed.

A series of lectures with case discussion deals with the development of personality in infancy and childhood, and the psychopathology of childhood. Attention is directed to the general management of related difficulties. Total hours, 33.

FOURTH YEAR. COURSES IN PSYCHIATRY. In the course in the Out-Patient Department of the Payne Whitney Psychiatric Clinic, each student is assigned to an instructor and takes part in the study and treatment of individual patients. At the Manhattan State Hospital the students carry out independently complete examinations of patients.

Case presentations are given throughout the year in clinics on Wednesdays from twelve to one. The clinical, investigative, and therapeutic aspects, as well as legal and social problems are discussed.

Opportunities for elective work are provided in the New York Hospital and at the Westchester Division of the New York Hospital, White Plains, New York. Total hours, 98.

Surgery

- GEORGE J. HEUER, Professor of Surgery.
JOSHUA E. SWEET, Professor of Experimental Surgery.
NATHAN C. FOOT, Professor of Surgical Pathology.
CHARLES E. FARR, Professor of Clinical Surgery.
HENRY H. M. LYLE, Professor of Clinical Surgery.
EUGENE H. POOL, Professor of Clinical Surgery.
BERNARD SAMUELS, Professor of Clinical Surgery (Ophthalmology).
ALEXANDER R. STEVENS, Professor of Clinical Surgery (Urology).
WILLIAM DEW. ANDRUS, Associate Professor of Surgery.
FRANK E. ADAIR, Associate Professor of Clinical Surgery.
RALPH F. BOWERS, Associate Professor of Clinical Surgery.
HOWARD S. JECK, Associate Professor of Clinical Surgery (Urology).
WILLIAM F. MACFEE, Associate Professor of Clinical Surgery.
IRVIN BALENZWEIG, Assistant Professor of Clinical Surgery (Orthopedic Surgery).
BENJAMIN S. BARRINGER, Assistant Professor of Clinical Surgery (Urology).
MILTON L. BERLINER, Assistant Professor of Clinical Surgery (Ophthalmology).
HERBERT CONWAY, Assistant Professor of Clinical Surgery.
WILLIAM A. COOPER, Assistant Professor of Clinical Surgery.
NELSON W. CORNELL, Assistant Professor of Clinical Surgery (Orthopedic Surgery).
ARCHIE L. DEAN, JR., Assistant Professor of Clinical Surgery (Urology).
GUILFORD S. DUDLEY, Assistant Professor of Clinical Surgery.
SEWARD ERDMAN, Assistant Professor of Clinical Surgery.
JOHN C. A. GERSTER, Assistant Professor of Clinical Surgery.
FRANK GLENN, Assistant Professor of Clinical Surgery.
CRANSTON HOLMAN, Assistant Professor of Clinical Surgery.
GERVAIS W. MCAULIFFE, Assistant Professor of Clinical Surgery (Otolaryngology).
GEORGE T. PACK, Assistant Professor of Clinical Surgery.
ARTHUR PALMER, Assistant Professor of Clinical Surgery (Otolaryngology).
RUSSEL H. PATTERSON, Assistant Professor of Clinical Surgery.
BRONSON S. RAY, Assistant Professor of Surgery.
MORRIS K. SMITH, Assistant Professor of Clinical Surgery.
JOHN A. VIETOR, Assistant Professor of Clinical Surgery.
JACOB APPLEBAUM, Instructor in Surgery.
MILES ATKINSON, Instructor in Surgery.
HERBERT M. BERGAMINI, Instructor in Surgery.
CHARLES M. BRANE, Instructor in Surgery.
PAUL A. DINEEN, Instructor in Surgery.
EDWARD W. DOUGLAS, Instructor in Surgery.

CHARLES A. DRAKE, Instructor in Surgery.
JOHN W. DRAPER, Instructor in Surgery.
WADE DULEY, Instructor in Surgery.
JOHN H. ECKEL, Instructor in Surgery.
EDWARD M. FINESILVER, Instructor in Surgery.
EMMETT C. FITCH, Instructor in Surgery.
THOMAS J. GARRICK, Instructor in Surgery.
KRISTIAN G. HANSSON, Instructor in Surgery.
ROBERT S. HOTCHKISS, Instructor in Surgery.
GUSTAVUS A. HUMPHREYS, Instructor in Surgery.
SAMUEL F. KELLEY, Instructor in Surgery.
JOSEPH E. J. KING, Instructor in Surgery.
ANNE E. KUHNER, Instructor in Surgery.
FREDERICK L. LIEBOLT, Instructor in Surgery.
JAMES O. MACDONALD, Instructor in Surgery.
FRANK J. MCGOWAN, Instructor in Surgery.
ALLISTER M. McLELLAN, Instructor in Surgery.
FREDERICK C. McLELLAN, Instructor in Surgery.
EDGAR M. POPE, Instructor in Surgery.
ERIC C. RICHARDSON, Instructor in Surgery.
JOHN G. SCHMIDT, Instructor in Surgery.
RUFUS E. STETSON, Instructor in Surgery.
D. BLAIR SULOUFF, Instructor in Surgery.
JOHN E. SUTTON, JR., Instructor in Surgery.
PRESTON A. WADE, Instructor in Surgery.
WILLIS M. WEEDEN, Instructor in Surgery.
FRANK C. YEOMANS, Instructor in Surgery.
OTTO MULLER, Research Associate in Surgery.
ROSE ANDRE, Assistant in Surgery.
WILLIAM H. AYRES, Assistant in Surgery.
ANNE S. BELCHER, Assistant in Surgery.
ARTHUR I. CHENOWETH, Assistant in Surgery.
C. GARDNER CHILD, 3RD, Assistant in Surgery.
E. EVERETT CLIFFTON, Assistant in Surgery.
JOHN STAIGE DAVIS, JR., Assistant in Surgery.
J. EDWIN DREW, Assistant in Surgery.
JOHN A. EVANS, Assistant in Surgery.
C. BASIL FAUSSET, Assistant in Surgery.
ROBERT K. FELTER, Assistant in Surgery.
HAROLD GENVERT, Assistant in Surgery.
HERBERT GRAEBNER, Assistant in Surgery.
MARTIN J. HEALY, JR., Assistant in Surgery.
D. REES JENSEN, Assistant in Surgery.
JOSEPH T. KAUER, Assistant in Surgery.
GEORGE M. KNAPP, Assistant in Surgery.
EARL P. LASHER, JR., Assistant in Surgery.
JERE W. LORD, JR., Assistant in Surgery.

ELIZABETH M. MACNAUGHER, Assistant in Surgery.
VICTOR F. MARSHALL, Assistant in Surgery.
WILLIAM T. MEDL, Assistant in Surgery.
LEOPOLD MEHLER, Assistant in Surgery.
STEPHEN C. MEIGHER, Assistant in Surgery.
JOHN C. MURPHY, Assistant in Surgery.
WILLIAM F. NICKEL, JR., Assistant in Surgery.
JOHN B. OGILVIE, Assistant in Surgery.
HERBERT PARSONS, Assistant in Surgery.
E. COOPER PERSON, JR., Assistant in Surgery.
FERNAND VISTREICH, Assistant in Surgery

GENERAL SURGERY

I. THIRD YEAR. In the first quarter a course is given in operative surgery which consists of a series of operations carried out by the students on living animals. Emphasis is placed in this course on surgical cleanliness, aseptic technic, the control of hemorrhage, the healing of wounds, anesthesia, and allied topics. In this quarter of the year there is given also a course in surgical pathology. The teaching in this subject is done by a series of demonstrations of gross and microscopic preparations, and by conferences in which the current material from surgical cases is made the basis for the discussion of various lesions and their pathological and surgical significance.

The instruction work in clinical surgery begins in the second quarter and rotates with one third of the class for the remaining three quarters of the year. In this course the students are assigned for work as clinical clerks in surgery, including urology. Throughout this period the student gains experience in history taking, physical examination and routine laboratory examination, and is brought into contact with patients with general surgical, urological, orthopedic, ophthalmological and otolaryngological conditions. The routine teaching consists of pavilion visits in general surgery, and in the surgical specialties, together with assigned reading and conferences.

The teaching facilities of the Second Surgical Division of Bellevue Hospital, St. Lukes, Memorial, and other special hospitals are available in addition to those of the New York Hospital. Total hours, 388.

II. FOURTH YEAR. Each student spends one quarter in the outpatient department of the surgical service and the allied specialties. The morning hours are devoted to the surgical clinic where the student gains experience in the diagnosis of general surgical and orthopedic conditions in ambulatory patients as well as in the handling of fractures and in the diagnosis and treatment of minor surgical cases of all sorts. He also has the opportunity to follow the results of operations performed in the hospital as the patients return for follow up visits. The afternoon hours are devoted to the special clinics of urology, ophthalmology, and otolaryngology where the student learns to use

the diagnostic technics of these specialties and observes a wide variety of disease pictures.

The student is also assigned to the operating floor of the hospital for a period of two weeks and is given intensive instruction in anesthesia, and throughout the quarter is expected to follow in the wards those patients admitted from the out-patient department.

The routine teaching consists of conferences, clinics, and assigned reading.

A surgical clinic is held one day a week at the noon hour for the students of the third and fourth years. Total hours, 295. •

OPHTHALMOLOGY

During the third trimester of the second year the entire class is given laboratory instruction in the microscopy of the eye by Dr. SAMUELS. In addition to normal histology, the pathology of such important diseases as uveitis, glaucoma, intra-ocular tumors, tuberculosis, injuries, and simple ophthalmia are covered.

In the fourth year each student is assigned for a period of time to the ophthalmological out-patient department and in addition has the opportunity of taking further work in this subject during his elective period.

ORTHOPEDIC SURGERY

For the first quarter of the third year there are a number of formal exercises in this subject which serve as an introduction to the clinical work. In the remaining part of the surgical teaching in the third and fourth years supplemental instruction is given in orthopedics by the presentation of interesting cases in either the pavilion and out-patient department of the New York Hospital, or the wards of Bellevue Hospital.

OTOLARYNGOLOGY

In the third year clinical lectures illustrated by the presentation of cases are given to the entire class. The anatomy of the head is reviewed and instruction in the examination of the ear, nose, and throat is given. The subjects of bronchoscopy and rhinoplasty are discussed.

Fourth year students are assigned in sections for a period to the otolaryngological out-patients and have the opportunity to study cases on the pavilion as well. During this period, special topics are presented to the section by various members of the teaching staff.

Opportunity is offered also, during the elective term of the fourth year to spend additional time on this subject.

UROLOGY

The teaching of urology is carried out by means of assignment of students during their clinical clerkship in the third year to urological cases either in the New York Hospital, or in Bellevue Hospital. On

one morning a week there is held a conference and clinical demonstration of patients suffering from various urological conditions.

In the fourth year the student is assigned for a period to the urological out-patient department, and he has also, further opportunity to pursue this subject during the elective period.

ELECTIVE COURSES

Courses are offered in advanced general surgery, surgical pathology, experimental surgery, neuro-surgery, thoracic surgery, and in the specialties of surgery: urology, orthopedics, ophthalmology and otolaryngology. Elective work combined with medicine is also offered in special clinics in the out-patient department. More detailed information regarding these electives may be had by consulting the head of the surgical department.

COURSE OFFERED TO GRADUATE STUDENTS

A graduate course in surgery based upon the resident system is offered to a limited number of physicians who are graduates of approved medical schools and who have completed one year's internship or its equivalent in an approved hospital. Detailed information regarding this course will be furnished on request by the head of the surgical department.

Public Health and Preventive Medicine

WILSON G. SMILLIE, Professor of Public Health and Preventive Medicine.

JOHN C. TORREY, Professor of Epidemiology.

MORTON C. KAHN, Associate Professor of Public Health and Preventive Medicine.

WALTER C. KLOTZ, Assistant Professor of Public Health and Preventive Medicine.

RALPH W. NAUSS, Instructor in Public Health and Preventive Medicine.

THOMAS T. MACKIE, Associate in Public Health and Preventive Medicine.

HENRY BEEUWKES, Associate in Public Health and Preventive Medicine.

JOHN OPIE MCCALL, Associate in Public Health and Preventive Medicine.

WILLIAM M. SCHMIDT, Instructor in Public Health and Preventive Medicine.

JOHN E. FRANKLIN, Instructor in Public Health and Preventive Medicine.

RAYMOND E. MILLER, Instructor in Public Health and Preventive Medicine.

ELIZABETH MONTU, Research Assistant in Public Health and Preventive Medicine.

SECOND YEAR

PARASITOLOGY. Each period is divided into two parts: lecture and laboratory.

The exercises are given one afternoon a week from 3 to 5 o'clock, during the second trimester. About 30 minutes are utilized for the lecture or for discussion, and one and one-half hours for laboratory work.

The important parasites of man are discussed, including mode of transmission, life cycles, and intermediate hosts. Special emphasis is also placed upon a clinical description of the various diseases that are produced by the parasites, and methods which may be utilized in the prevention and control of human parasitic disease. An abundance of material is used for demonstration purposes, and some of the parasites are studied in the living stage.

THIRD YEAR

PUBLIC HEALTH. Lectures: The lectures are given from 12 to 1 every Monday throughout the school year. They are intended to present a comprehensive description of the whole field of preventive medicine. Emphasis is placed upon the responsibilities and the opportunities of the practicing physician in the promotion of public health.

Laboratory and field work: First quarter—the whole class every Thursday afternoon from 2 to 5 p. m. The class is divided into two large sections. One-half of the exercises are devoted to laboratory procedures in vital statistics, and in water and milk sanitation. On alternate Thursdays, each section makes a field trip for a demonstration in (a) industrial hygiene (b) city health administration (c) preparation and standardization of biologicals (d) water and sewage disposal, and the like.

Section work: Every Thursday afternoon during the last three quarters from 2 to 5 p. m. The affiliation of the Kips Bay-Yorkville Health Center with the Medical School has made it possible to develop section teaching in preventive medicine. The class is divided into three sections of about 25 students. Each section devotes every Thursday afternoon for one quarter to clinical section work in public health. This section is sub-divided into small groups and each student is assigned to some one of the various activities of the Health Center, or to allied health services of the community. The students do more than observe—they participate in the work of the Health Center. The exercises are planned so that every student will have an opportunity to see and take part in the complex activities of an active health department.

Thesis: Each student is required to prepare a thesis on some subject which is related to the general field of preventive medicine and public health. Wide latitude will be given in choice of subject; and in grading the theses, due consideration is given to the method of presentation, as well as to the content. These theses must be handed in to the Department by May 1.

FOURTH YEAR

PREVENTIVE MEDICINE. Clinical conferences every Tuesday, 12 to 1, throughout the year.

The fourth year exercises in Preventive Medicine are planned to illustrate the methods whereby the principles of preventive medicine may be incorporated by the physician in his daily practice of curative medicine.

The presentations are made by various members of the clinical faculty. Practically every department of the medical school and every major clinical subject is presented in these exercises. In addition, certain special subjects, such as industrial medicine, dental hygiene, the prevention of accidents, the conservation of vision, and so forth, are presented by experts in these fields, who are invited to discuss their special work. These guest speakers contribute greatly to the interest and value of the course.

ELECTIVE COURSES

PREVENTIVE MEDICINE. An elective course of one full month is offered to students in the fourth year. Not more than four students will be accepted for any one month. Students will be assigned to the

Kips Bay-Yorkville District Health Center and will participate in the various clinical and research activities of the Center.

MEDICAL ZOOLOGY AND PARASITOLOGY. This course is intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered. Hours to be arranged.

FIELD WORK IN CUBA. Arrangements have been made with the University of Havana Medical School whereby three or four students may spend six weeks in Cuba in the summer as guests of the University of Havana. These students are given an opportunity to study various types of tropical diseases in hospital clinics, and in the Finlay Institute. This is a voluntary exercise, for which no University credit is given.

A reciprocal arrangement has been made whereby Havana University medical students will come to New York during the winter as guests of the New York Hospital.

Radiology

JOHN R. CARTY, Associate Professor of Radiology.
SYDNEY WEINTRAUB, Assistant Professor of Clinical Radiology.
FRIEDRICH G. KAUTZ, Associate in Radiology.
E. FORREST MERRILL, Associate in Radiology.
ALLAN TUGGLE, Instructor in Radiology.
ALFRED F. HOCKER, Instructor in Radiology.
IRVING SCHWARTZ, Instructor in Radiology.
STEPHEN WHITE, Instructor in Radiology.
JOSEPH V. SULLIVAN, Assistant in Radiology.

The teaching of Radiology consists of didactic lectures and section work in connection with clinical clerkships in Medicine, Surgery, Pediatrics, Obstetrics and Gynecology.

The lectures are given during the Third Year to the class as a whole. They emphasize the fundamental principles of diagnosis, X-ray and Radium Therapy. Sufficient fundamental Physics is covered to make these principles intelligible. Emphasis is placed on the indications and limitations of the methods and how they should be applied to the best advantage of the patient. The relationship of Radiology to other branches of medicine is also discussed. In addition to X-ray diagnosis the use of Radium and X-ray Therapy for malignant conditions is given attention. The use of X-ray Therapy in the treatment of inflammatory and other miscellaneous pathological processes is also covered.

The section teaching is conducted in the Third Year with the exception of the work in Obstetrics and Gynecology which comes in the Fourth Year. The teaching is given to small groups, and during each hour a subject is covered, and the student is encouraged to bring in radiographs of current cases pertaining to the subject under discussion.

Instruction in X-ray and Radium Therapy is conducted along similar lines. The student is given specific and hypothetical cases where X-ray and Radium Therapy might be employed. Attention is paid to the use of X-ray Therapy in inflammatory conditions and as an analgesic agent as well as in malignancy. The contraindications for X-ray and Radium Therapy are discussed. During the section work there will be a certain amount of "required reading." This consists of the study of normal and typical radiographs, and a museum has been organized specifically for this purpose. The Museum has a wide assortment of various pathological material and is constantly being enlarged.

There is a series of normals of the various anatomical regions constantly available on illuminators for ready reference. The Museum is open at all hours for study.

Elective courses are offered in the Fourth Year in most phases of diagnosis and therapy. They are arranged in so far as is possible to suit the wishes of the individual student.

Summary of Hours, Third Year

Didactic lectures	8 hours
Section Work:	
Medicine	10 hours
Surgery	10 hours
Pediatrics	3 hours
	23 hours

Fourth Year

Obstetrics and Gynecology	3 hours
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Legal Medicine

MILTON HELPERN, Instructor in Legal Medicine.

An elective course in Legal Medicine is scheduled during the third quarter of the fourth year and covers the following topics: the obligations and rights of physicians; relation of the physician to governmental agencies; functions of the office of medical examiner and of coroner; investigation and determination of the cause of sudden, suspicious, and violent deaths; the medicolegal necropsy; identification, signs of death, changes in the body after death; sudden natural death; relationship of disease and trauma; suicidal, accidental, and homicidal violent deaths; blunt force injuries, stab and bullet wounds, traumatic asphyxia, rape, abortion, infanticide; toxicology, especially the indications of poisoning and the selection of organs for chemical analysis; examination of blood stains, seminal stains, and hair, forensic applications of blood grouping; occupational injuries and diseases.

The course consists of a series of 12 lectures illustrated with material derived from cases investigated by the office of the Chief Medical Examiner in the Borough of Manhattan.

A second elective course limited to small groups of students is given for periods of approximately four weeks throughout the school year and affords the student an opportunity to study the above mentioned topics at first hand. This course is conducted at the City Mortuary, Bellevue Hospital, where the numerous and varied autopsy and laboratory investigations of the office of the Chief Medical Examiner are carried out. There will also be an opportunity to follow some of the cases into the criminal and civil courts where the method of giving testimony can be observed.

Neoplastic Disease

The Memorial Hospital offers a four-week elective course on the neoplastic diseases to members of the fourth year class. This course consists of approximately 140 hours devoted to a study of the new cases, their diagnosis and treatment. About 40 hours are spent in the pathological laboratory, studying the gross and microscopic pathology of

tumors, particularly as relates to tumor groups. The student also has an excellent opportunity to observe the effects of treatment by surgery, x-rays, and radium. The course is closely integrated, so that the student may study many processes of tumor growth and behavior.

Military Medicine

WILLIAM C. MUNLY, Professor of Military Science and Tactics.

This elective course in Military Medicine is given by an Officer of the Medical Corps of the Army, detailed by the Surgeon General. It is a progressive course of four years, of 39 hours' instruction per year.

Any male, physically fit citizen is eligible to take the course. No uniforms are worn and no obligations are incurred, except to complete the course if started. A six weeks' camp at Carlisle, Pa., is held after the second or third year, as elected. During the last two years the student is paid by the government. He is also paid for the camp attendance and is provided his transportation from the University to Carlisle and return.

Upon receiving his degree in Medicine the graduate of this Military Course will be given a commission in the Medical Officers Reserve Corps should he desire to accept the same.

This course is designed to supplement the regular medical curriculum and to give the student an elementary knowledge of Military Medicine. The first year is devoted to the history of military medicine, principles of military science, our system of government and the military policies of the same; the second year to tactical studies, projectiles and war wounds, first aid and evacuation; the third year to hygiene of mass bodies, including control of communicable diseases, disposal of wastes, water purification, and camp sanitation; the fourth year to administration and technical organization of hospitals, together with the principles of hospital construction and repairs.

TABLE OF REQUIRED HOURS

	<i>First Year</i>	<i>Second Year</i>	<i>Third Year</i>	<i>Fourth Year</i>	<i>Total</i>
ANATOMY	417				
HISTOLOGY AND EMBRYOLOGY	206				
NEURO-ANATOMY	85				708
BIOCHEMISTRY	235				235
PHYSIOLOGY	131	129			260
PHARMACOLOGY		132			132
BACTERIOLOGY		146			146
PATHOLOGY		315			
NEURO-PATHOLOGY		30			345

TABLE OF REQUIRED HOURS (Continued)

	<i>First Year</i>	<i>Second Year</i>	<i>Third Third</i>	<i>Fourth Year</i>	<i>Total</i>
MEDICINE:					
PHYSICAL DIAGNOSIS		126			
CLINICAL PATHOLOGY		126			
NEUROLOGY		32			
DERMATOLOGY AND MEDICINE			30		
CLERKSHIP AND O.P.D.			257	261	
LECTURES			33	66	931
SURGERY:					
OPERATIVE SURGERY			27		
ORTHOPEDICS			18		
OTOLARYNGOLOGY			18		
OPHTHALMOLOGY		21			
SURGICAL PATHOLOGY			34		
UROLOGY			9		
CLERKSHIP AND O.P.D.			257	261	
LECTURES			34	34	713
OBSTETRICS AND GYNECOLOGY:					
OBSTETRICAL BACTERIOLOGY			17		
GYNECOLOGICAL PATHOLOGY			36		
PRACTICAL INSTRUCTION			50	365 min.	
LECTURES AND DEMONSTRATION			67		535
PEDIATRICS:					
PRINCIPLES OF NUTRITION		11			
PRACTICAL INSTRUCTION			99	71	
LECTURES			33		214
PSYCHIATRY:					
PSYCHOBIOLOGY	21				
INTRODUCTORY PSYCHIATRY		33			
PSYCHIATRY			25	63	
LECTURES			8	35	185
PUBLIC HEALTH:					
PARASITOLOGY		22			
PUBLIC HEALTH			51		
PREVENTIVE MEDICINE				34	
LECTURES			33		140
RADIOLOGY			9		9
LEGAL MEDICINE				12	12
MILITARY MEDICINE	(34*)	(34*)	(34*)		
ELECTIVES				(130)	
TOTALS	1095	1123	1145	1202	4565

*Elective.

FIRST YEAR SCHEDULE

1939-40

FIRST TRIMESTER

SEPT. 19-DEC. 9

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy
10-11						
11-12						
12-1		Biochemistry	Biochemistry		Biochemistry	
1-2						
2-3	Histology	Histology	Library Lectures**	Biochemistry	Histology	
3-4						
4-5			(Spec. Lect.)			

SECOND TRIMESTER

DEC. 11-MARCH 6

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Histology	Anatomy	Anatomy†† Histology	Anatomy	Histology	Anatomy
10-11						
11-12						
12-1						Biochemistry
1-2		Biochemistry		Biochemistry		
2-3	Anatomy	Biochemistry	(Spec. Lect.)	Biochemistry	Anatomy	
3-4						
4-5				Mil. Med.*		

††Approximately 7 sessions Anatomy and 4 Histology.

THIRD TRIMESTER

MARCH 13-MAY 25

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Neuro-Anatomy	Biochemistry	Psychobiol.	Physiology	Neuro-Anatomy
10-11						
11-12				Neuro-Anatomy		
12-1		Biochemistry		Physiology		Physiology
1-2						
2-3	Psychobiol.	Physiology		Physiology	Physiology	
3-4						
4-5			(Spec. Lect.)	Mil. Med.*		

*Elective

**When Scheduled.

() When Scheduled.

SECOND YEAR SCHEDULE
1939-40

FIRST TRIMESTER

SEPT. 19-DEC. 9

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pharmacology	Physiology	Physiology	Pharmacology	Physiology	Physiology
10-11			Bacteriology		Pharmacology	
11-12						
12-1						
1-2	Bacteriology	Physiology		Bacteriology	Bacteriology	
2-3			Mil. Med.*			
3-4						
4-5			(Spec. Lect.)			

SECOND TRIMESTER

DEC. 11-MARCH 6

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1						
1-2	Parasitology	Physical Diagnosis		Physical Diagnosis	Psychiatry	
2-3			Mil. Med.*			
3-4						
4-5			(Spec. Lect.)			

THIRD TRIMESTER

MARCH 13-MAY 25

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
9-10	Physical Diagnosis "A" Neuro. Diag. "D"	Neurology	Physical Diagnosis "B" Neuro. Diag. "A" Clin. Path. "A"	Physical Diagnosis "A" Neuro. Diag. "C" Clin. Path. "B"	Physical Diagnosis "B" Neuro. Diag. "B"	Pathology	
10-11							
11-12							Neuro-Pathology
12-1							
1-2	Clinical Pathology	Clinical Pathology		Clinical Pathology	Clinical Pathology		
2-3			Mil. Med.*				
3-4							
4-5			Ophthalmology				(Spec. Lect.)

() When Scheduled.
*Elective.

THIRD YEAR SCHEDULE

FIRST QUARTER

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Ob. Bacter.	Operative Surgery	Gynecologic Pathology	Ob. Bacter.	Gynecologic Pathology	Urology
10-11	Surgical Pathology		Radiology	Surgical Pathology		
11-12						
12-1	Pub. H.	Ob. & Gyn.	Pediatrics	Medicine	Surgery	Ob. & Gyn.
2-3	Medicine	Otolaryn.	Dermatology	Public Health	Orthopedics	
3-4						
4-5	C.P.C.	Psychiatry	(Spec. Lect.)			

SECOND, THIRD, AND FOURTH QUARTERS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Medicine (1); Surgery (2); Obstet., ² Pediat., Psych., Pub. H (3).					
10-11	Group B: Surgery (1); Obstet., Pediat., Psych., Pub. H (2); Medicine (3).					
11-12	Group C: Obstet, Pediat, Psych, Pub. H (1); Medicine (2); Surgery (3).					
12-1	Public Health	Ob. & Gyn.	Pediatrics	Medicine	Surgery	Ob. & Gyn.
2-3						
3-4						
4-5	C.P.C.		(Spec. Lect.)			

DETAILED SCHEDULE:

OBSTETRICS, PEDIATRICS, PSYCHIATRY, AND PUBLIC HEALTH

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Obstetrics and Gynecology	Pediatrics	Pediatrics	Pediatrics	Obstetrics and Gynecology	
10-11						
11-12						
12-1	Public Health	Ob. & Gyn.	Pediatrics	Medicine	Surgery	Ob. & Gyn.
2-3		Pediatrics Group 1. Psychiatry Group 2.		Public Health	Psychiatry Group 1. Pediatrics Group 2.	
3-4						
4-5	C.P.C.		(Spec. Lect.)			

() When Scheduled.

Military Medicine, Tuesdays 8-9.

FOURTH YEAR SCHEDULE

1939-40

QUARTER SYSTEM

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Surgery (1); Ped, Psych, Elect (2); Medicine (3); Ob. & Gyn. (4). Group B: Medicine (1); Ob. & Gyn. (2); Surgery (3); Ped, Psych, Elect (4). Group C: Ped, Psych, Elect (1); Medicine (2); Ob. & Gyn. (3); Surgery (4). Group D: Ob. & Gyn. (1); Surgery (2); Ped, Psych, Elect (3); Medicine (4).					
10-11						
11-12						
12-1	Medicine	Public Health	Psychiatry	Medicine	Surgery	Legal Med.**
2-3	C.P.C.*					
3-4						
4-5						

*Regular section work takes precedence over C.P.C.

**From March 9-May 25, incl.

() When scheduled.

DETAILED SCHEDULE: PEDIATRICS AND PSYCHIATRY

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pediatrics		Psychiatry	Pediatrics		
10-11						
11-12						
12-1	Medicine	Public Health	Psychiatry	Medicine	Surgery	Legal Med.**
2-3	Psychiatry		Pediatrics	Psychiatry		
3-4						
4-5						

Group C-1: Ped, Psych, September 19-October 18; Electives October 19-November 18.

Group C-2: Electives September 19-October 18; Ped., Psych. October 19-November 18.

Group A-1: Ped., Psych. November 20-December 22; Electives January 3-27.

Group A-2: Electives November 20-December 22; Ped., Psych. January 3-27.

Group D-1: Ped., Psych. January 29-February 29; Electives March 1-30.

Group D-2: Electives January 29-February 29; Ped., Psych. March 1-30.

Group B-1: Ped., Psych. April 1-27; Electives April 29-May 25.

Group B-2: Electives April 1-27; Ped., Psych. April 29-May 25.

THE GRADUATE SCHOOL

The Graduate School has exclusive control of all graduate work carried on in the University. Certain professors in the pre-clinical departments of the Cornell University Medical College offer graduate instruction as an integral part (Group F) of the Graduate School of Cornell University. Properly qualified students may accordingly enter upon graduate work in New York City under the jurisdiction of professors in these departments and may become candidates for advanced degrees under the same conditions as apply to students in other divisions of the Graduate School. Although Cornell University Medical College intends to develop special opportunities for advanced work of high quality in the medical sciences and in the clinical fields, it does not at present offer work corresponding to that usually described as *clinical post-graduate work*.

To be admitted to the Graduate School, an applicant (1) must have received his baccalaureate degree from a college or university of recognized standing, or have done work equivalent to that required for such degree; (2) as judged by his previous scholastic record, or otherwise, must show promise of ability satisfactorily to pursue advanced study and research; and (3) must have had adequate previous preparation in his chosen field of study to enter at once upon graduate study in that field. An applicant who is not a graduate of Cornell University must submit complete official transcripts of all previous college studies.

Application for admission should be made at the office of the Dean, Cornell University Medical College, New York City, where the necessary forms may be obtained. Dr. C. V. Morrill, Chairman of Group F of the Graduate School may be consulted (at the medical college) for additional information. Since the number of graduate students who can be accommodated is limited, a personal interview is required of all applicants *before the filing of forms*. Applicants who have been accepted should file their forms at the earliest possible date, ordinarily not later than September 15 and January 15 for entrance to the first and second terms, respectively.

Students may be admitted to the Graduate School at the medical college in one of the following two classes:

(1) Candidates for degrees;

(2) Graduate students not candidates for degrees; "non-candidates."

For more detailed information concerning the rules and regulations covering graduate work in the Graduate School, the pamphlet entitled *The Announcement of the Graduate School* should be consulted by the candidate before application for admission. A copy of this announcement may be obtained at the Administrative Offices of the Medical College or directly from the Graduate School at Ithaca, N. Y.

TUITION AND OTHER FEES

A Tuition Fee of \$150 for the academic year is to be paid by all students registered in the Graduate School. It is payable in installments of \$75 at the beginning of each term.

A member of the teaching or scientific staff registered in the Graduate School of the Medical College shall pay tuition at the rate of three-quarters of the tuition regularly charged full time students.

Graduate students holding certain appointments as University Fellows or Graduate Scholars and holders of certain temporary fellowships and scholarships are exempt from the payment of the tuition fee.

An Administration Fee of \$25 is to be paid by all students registered in the Graduate School except Honorary Fellows. It is payable in installments of \$12.50 at the beginning of each term.

A Matriculation Fee of \$10 is required of every student upon his first entrance into the University. It must be paid at the time of registration and is not refundable.

A Graduation Fee of \$20 is required, at least ten days before the degree is to be conferred, of every candidate for an advanced degree. The fee will be returned if the degree is not conferred.

A Thesis Fee of \$10 is required, at least ten days before the degree is to be conferred, of each candidate for the degree, Doctor of Philosophy. This fee is in addition to the \$20 graduation fee.

TUITION SCHOLARSHIPS

For Graduate students, the Board of Trustees has established thirty tuition scholarships, twenty for work in the endowed colleges and ten for work in the state-supported colleges. They entitle the holder to exemption from payment of tuition fees, but not other fees, for the duration of the appointment. Applications should be made to the professor, or professors, in whose field the applicant is working, or to the office of the Graduate School. Awards are made in May of each year.

SPECIAL STUDENTS

All students *not registered in Cornell University Graduate School and not registered for the M.D. degree* are SPECIAL STUDENTS. These are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree. They are admitted *only by the consent of the head of the department* and must be registered in the Administrative Offices of the medical college and must pay their fees at the business office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

FEEs

Matriculation Fee	\$10
Administration Fee	5

Tuition fees vary depending upon the type of work taken.

A breakage fee may be required.

INTERNSHIP APPOINTMENTS, CLASS OF 1939 DOCTORS OF MEDICINE, JUNE 7, 1939

Thomas Pattison Almy, B.A.	New York Hospital, New York City
William Stevenson Armour, A.B.	Fifth Avenue Hospital, New York City
Thomas Lyon Ball, A.B.	The George F. Geisinger Memorial Hospital, Danville, Pa.
Henry Saunder Berkan, A.B.	Kings County Hospital, Brooklyn, N. Y.
Raymond Milton Brown, B.S.	United States Marine Hospital, San Francisco, Calif.
William Gunton Budington, B.A.	United States Marine Hospital, Norfolk, Va.
Walter Richard Buerger, A.B.	Buffalo General Hospital, Buffalo, N. Y.
Francis Guy Casey, B.S.	St. Vincent's Hospital, New York City
Melva Adeline Clark, B.A.	Jersey City Medical Center, Jersey City, N. J.
Charles Wilson Collins, B.S.	Memorial Hospital, Worcester, Mass.
Nathaniel Comden, A.B.	Queens General Hospital, Jamaica, N. Y.
John Henry Dale, Jr., B.S.	Hackensack Hospital, Hackensack, N. J.
Alfred Dudley Dennison, Jr., B.A.	Orange Memorial Hospital, Orange, N. J.
Thomas Joseph Dring, B.S.	Rhode Island Hospital, Providence, R. I.
Herman Feinstein, A.B.	Meadowbrook Hospital, Hempstead, N. Y.
Sarah Elizabeth Flanders, A.B.	Bellevue Hospital, New York City
J. Scott Gardner, B.A.	New York Hospital, New York City
Regina Gluck, B.A.	Bellevue Hospital, New York City
Henry Goebel, Jr., B.A.	Bellevue Hospital, New York City
Julian Philip Griffin, B.S.	Massachusetts Memorial Hospital, Boston, Mass.
Harvey Paterson Groesbeck, Jr., B.A.	Vanderbilt University Hospital, Nashville, Tenn.
Gert Steuerwald Gudernatsch, B.A.	Lenox Hill Hospital, New York City
Arthur Digby Hengerer, B.S.	Albany Hospital, Albany, N. Y.
Edgar Rhucl Hyde, Jr., A.B.	The George F. Geisinger Memorial Hospital, Danville, Pa.
Leroy Hyde, A.B.	Bellevue Hospital, New York City
Ivan Isaacs, B.A.	Jewish Hospital of Brooklyn, Brooklyn, N. Y.
Richard Gentry Jackson, B.A.	University Hospital, Ann Arbor, Mich.
Herman Lawrence Jacobius, B.A.	Mount Sinai Hospital, New York City
Louis Richard Kent, A.B.	Youngstown Hospital Association, Youngstown, Ohio
August Martin Kleeman, Jr., B.S.	St. Vincent's Hospital, New York City
Frederick John Knocke, B.A.	Lenox Hill Hospital, New York City
Edward Charles Kunkle, Jr., B.A.	New York Hospital, New York City
Robert Landesman, B.A.	Mount Sinai Hospital, New York City
Vincent dePaul Larkin, B.A.	New York Post-Graduate Hospital, New York City
Ivar Joseph Larsen, B.S.	Queens Hospital, Honolulu, Hawaii
James Henry Lockhart, Jr., B.A.	Strong Memorial Hospital, Rochester, N. Y.
Hamilton Meeks McCroskery, B.A.	Methodist-Episcopal Hospital, Brooklyn, N. Y.
Malcolm Judd Mann, A.B.	Strong Memorial Hospital, Rochester, N. Y.
John Henry Mayer, Jr., A.B.	Barnes Hospital, St. Louis, Mo.
Donald Richard Morrison, B.S.	New York Hospital, New York City
Hugh Mullan, B.S.	New York Post-Graduate Hospital, New York City
Equinn William Munnell, B.A.	Bellevue Hospital, New York City
George Edward Poucher, Jr., A.B.	Pittsburgh Medical Center, Pittsburgh, Pa.

Francis Zenville Reinus, B.A.	Lenox Hill Hospital, New York City
Charles Edward Robinson, Jr., A.B.	Long Island College Hospital, Brooklyn, N. Y.
Karl Dean Rundell, A.B.	Lakeside Hospital, Cleveland, Ohio
Augustus William Sainsbury, A.B.	Syracuse University Hospital, Syracuse, N. Y.
Charles Adrian Sands, B.A.	Brooklyn Hospital, Brooklyn, N. Y.
Addison Beecher Scoville, A.B.	Vanderbilt University Hospital, Nashville, Tenn.
Alan Gilbert Simpson, Jr., B.A.	Syracuse University Hospital, Syracuse, N. Y.
Lois Miller Smedley, B.A.	Syracuse Memorial Hospital, Syracuse, N. Y.
Charles Steenburg, A.B.	Knickerbocker Hospital, New York City
Raymond Arthur Sterrett, B.A.	Hartford Hospital, Hartford, Conn.
Richard Harrington Stevens, B.A.	St. John's Riverside Hospital, Yonkers, N. Y.
Joseph Deuel Sullivan, B.S.	Albany Hospital, Albany, N. Y.
Vivian Allison Tenney, B.A.	Philadelphia General Hospital, Philadelphia, Pa.
Ralph Raymond Tompsett, A.B.	New York Hospital, New York City
LeRoy Otten Travis, B.A.	Methodist-Episcopal Hospital, Brooklyn, N. Y.
George Arthur Vassos, Jr., B.S.	Bellevue Hospital, New York City
Robert Joseph Whipple, B.S.	Jersey City Medical Center, Jersey City, N. J.
Frederick Albert Wilson, A.B.	Fifth Avenue Hospital, New York City
William Graves Woodin, A.B.	Lakeside Hospital, Cleveland, Ohio
Harold Samuel Wright, A.B.	Genesee Hospital, Rochester, N. Y.

STUDENTS, 1939-40

FOURTH YEAR

- Edward Topf Adelson, A.B., 1936, Cornell University
 Katherine Hunter Anderson, B.S., 1930, Carnegie Inst. of Technology
 Frank Lynn Armstrong, A.B., 1936, Cornell University
 Lamson Blaney, B.S., 1936, Harvard College
 Harry Abner Bradley, A.B., 1937, Cornell University
 Everett Curme Bragg, A.B., 1936, Cornell University
 Wilhelm Henning Brauns, B.S., 1936, Hamilton College
 Ezra Volk Bridge, A.B., 1936, Cornell University
 Robert Boyce Bryant, B.S., 1936, Middlebury College
 William Herster Burke, A.B., 1937, Cornell University
 Alvin Maurice Cahan, A.B., 1936, Cornell University
 Donald Campbell, B.S., 1936, Fordham University
 James Daniel Canter, A.B., 1936, Columbia University
 John Milton Chapman, A.B., 1936, Cornell University
 Francis Place Coombs, A.B., 1937, Colgate University
 George L. Crane, B.A., 1935, University of North Carolina
 John Joseph Creedon, A.B., 1937, Columbia University
 George Beven Davis, A.B., 1936, Cornell University
 James Alexander Dingwall, III, A.B., 1936, Dartmouth College
 William Augustus Donnelly, A.B., 1934, Yale University
 Lisgar Bowne Eckardt, A.B., 1931, DePauw University,
 M.A., 1933, Ohio University
 William Francis Finn, A.B., 1936, Holy Cross College
 Herman Israel Frank, A.B., 1936, Cornell University
 Helena Gilder, A.B., 1935, Vassar College
 Marie Elizabeth Grant, A.B., 1936, Barnard College
 Robert Purvis Grant, A.B., 1937, Cornell University
 John Anthony Grimshaw, A.B., 1936, Cornell University
 William Henry Gullede, A.B., 1937, Cornell University
 Keith Osmond Guthrie, Jr., A.B., 1937, Cornell University
 Samuel Arnold Guttman, A.B., 1934, M.A. '35, Ph.D. '37,
 Cornell University
 Thomas Shelor Harbin, B.S., 1937, Emory University
 John Robert Herman, A.B., 1937, Dartmouth College
 Suzanne Adele Louise Howe, A.B., 1936, Barnard College
 Charles Keeling Kirby, B.S., 1936, Trinity College
 William Murray Maurice Kirby, B.S., 1936, Trinity College
 Robert August Kritzler, A.B., 1936, Columbia University
 Frances Shaw Lansdown, A.B., 1927, H. Sophie Newcomb
 Memorial College
 Edmond Peter Larkin, A.B., 1936, Amherst College
 Charles Henry Loomis, A.B., 1936, Oberlin College
 Kenneth Gordon MacDonald, A.B., 1936, Washington and Lee University
 Lloyd Wayland Macfarlane, A.B., 1936, University of Utah
 William Wayne Manson, A.B., 1937, Cornell University
 John Lynn Messersmith, A.B., 1936, Cornell University
 Arthur Gordon Murphy, A.B., 1937, New York University
 Francis James Murray, B.S., 1936, University of Notre Dame
 William More Parke, Jr., B.S., 1936, Colgate University
 Ethel Billie Powell, A.B., 1936, University of Arizona
 Edwin Rudolph Raymaley, Jr., B.S., 1936, Bucknell University
 Robert Murray Richman, A.B., 1936, Cornell University
 Samuel Aloysius Robb, A.B., 1936, Fordham University
- Newark, N. J.
 Union Springs, Ala.
 Milford, N. Y.
 New York, N. Y.
 Monticello, N. Y.
 White Plains, N. Y.
 Buffalo, N. Y.
 Rochester, N. Y.
 Malone, N. Y.
 Elmira, N. Y.
 New York, N. Y.
 New York, N. Y.
 New York, N. Y.
 Rochester, N. Y.
 Brattleboro, Vt.
 New York, N. Y.
 Flushing, N. Y.
 Kingston, Pa.
 Scarsdale, N. Y.
 Bridgeport, Conn.
 Greencastle, Ind.
 Weehawken, N. J.
 Bayonne, N. J.
 Syosset, N. Y.
 Summit, N. J.
 Plandome, N. Y.
 New Rochelle, N. Y.
 Wadesboro, N. C.
 Pleasantville, N. Y.
 New York, N. Y.
 Rome, Ga.
 New York, N. Y.
 New York, N. Y.
 Springfield, S. D.
 Springfield, S. D.
 Bayside, N. Y.
 Jackson Heights, N. Y.
 Northampton, Mass.
 Sidney, N. Y.
 Clifton, N. J.
 Cedar City, Utah
 East Orange, N. J.
 Westfield, N. J.
 Montclair, N. J.
 Elizabeth, N. J.
 Brooklyn, N. Y.
 Casa Grande, Ariz.
 Wilkensburg, Pa.
 New York, N. Y.
 New York, N. Y.

- Howard C. Robbins, B.S., 1933, Ursinus College,
M.A., 1936, Columbia University
- James Bryant Rooney, A.B., 1937, Cornell University
- Walter Adams Russell, B.A., 1933, Wesleyan University
- Gerald Sinnott Ryan, A.B., 1936, Princeton University
- Jacques Conrad Saphier, A.B., 1936, Cornell University
- Carl Julius Schmidlapp, A.B., 1935, Princeton University
- Cornelius Edward Sedgwick, B.S., 1936, Bucknell University
- Helen A. Marie Seibert, A.B., 1936, Syracuse University
- Edward Morse Shepard, A.B., 1936, Williams College
- Robert Wilton Shreve, A.B., 1936, Cornell University
- Stanley Joel Snitow, B.S., 1936, College of the City of New York
- Elizabeth Elwood Spaulding, A.B., 1936, Cornell University
- Donald Elwood Stokes, A.B., 1937, Cornell University
- Charles Matthews Strateman, A.B., 1936, Columbia University
- John Anthony Strazza, A.B., 1936, Princeton University
- Walter Thomas Sullivan, Jr., B.S., 1932, University of Notre Dame
- Walter Chaplain Vaill, A.B., 1937, Cornell University
- William Whitney Walker, B.S., 1936, Fordham University
- William Eric Williams, A.B., 1936, Williams College
- John Evans Wilson, B.S., 1936, University of Florida
- George Anthony Wolf, Jr., B.S., 1936, New York University
- Bridgeton, N. J.
Nyack, N. Y.
Somersworth, N. H.
Larchmont, N. Y.
Brooklyn, N. Y.
Cincinnati, Ohio
Roselle Park, N. J.
Hummelstown, Pa.
New York, N. Y.
Hastings-on-Hudson, N. Y.
New York, N. Y.
New York, N. Y.
Maplewood, N. J.
White Plains, N. Y.
Bloomfield, N. J.
Auburn, N. Y.
Cortland, N. Y.
New York, N. Y.
Rutherford, N. J.
Jacksonville, Fla.
Montclair, N. J.

THIRD YEAR

- Joffe Victor Achin, B.S., 1937, Tufts College
- Clifford Arthur Bachrach, A.B., 1937, Cornell University
- Margaret Bashford, A.B., 1937, Vassar College
- Louis Vincent Belott, B.S., 1936, St. Peter's College
- Morley Leonard Bernstein, A.B., 1938, Cornell University
- Robert Meredith Berry, A.B., 1938, Cornell University
- Robert Thomson Breed, A.B., 1937, Amherst College
- Thomas John Bridges, A.B., 1937, University of Rochester
- Wilbur Buholtz, A.B., University of Rochester
- Benjamin Wells Bullen, Jr., A.B., 1936, Brown University
- William Nesbitt Chambers, A.B., 1936, Amherst College
- Maynard Burton Chenoweth, A.B., 1938, Columbia University
- Elizabeth Nelson Conover, A.B., 1937, Wellesley College
- Arthur Dale Console, B.S., 1937, Cornell University
- Francis Leroy Cooper, Jr., A.B., 1937, Bowdoin College
- Helen Elizabeth Daniells, A.B., 1937, Barnard College
- Eric Winston Davidson, A.B., 1938, Dartmouth College
- Wilbur Mayfield Dixon, A.B., 1937, Cornell University
- Charles Edward Dougherty, B.S., 1937, Fordham University
- William Joseph Eisenmenger, B.S., 1937, Fordham University
- Edward Alden Ellison, A.B., 1936, Colgate University
- Hayden Oliver Evans, A.B., 1938, Cornell University
- Lawrence Gahagan, B.S., 1925, M.A., 1927, Ph.D., 1929, Princeton
- William Anthony Geohagan, E.E., 1929, Cornell University
- Oscar Emanuel Goldstein, A.B., 1937, Cornell University
- Henry Harris Graham, B.S., 1937, University of Florida
- Otis Eugene Hanes, A.B., 1937, Columbia University
- Richard Graves Hardenbrook, A.B., 1937, University of Michigan
- Robert Thompson Hendricks, B.S., 1937, University of Florida
- Charles Elmer Holzer, Jr., B.S., 1937, Haverford College
- Andrew Dickson Hunt, Jr., B.S., 1937, Haverford College
- Charles Swift Jones, A.B., 1937, Emory University
- Ellis William Jones, Jr., B.S., 1937, Harvard College
- Lowell, Mass.
Brooklyn, N. Y.
Yonkers, N. Y.
West Orange, N. Y.
Niagara Falls, N. Y.
Lynbrook, N. Y.
Lynn, Mass.
Fairport, N. Y.
Churchville, N. Y.
White Plains, N. Y.
New York, N. Y.
Weehawken, N. J.
Greenwich, Conn.
Brooklyn, N. Y.
Brockton, Mass.
New Rochelle, N. Y.
Upper Montclair, N. J.
Binghamton, N. Y.
Harrison, N. Y.
New York, N. Y.
Albany, N. Y.
Tamaqua, Pa.
Los Angeles, Calif.
Ithaca, N. Y.
Passaic, N. J.
Gainesville, Fla.
Fort McPherson, Ga.
Rochester, N. Y.
Jacksonville, Fla.
Gallipolis, Ohio
Haverford, Pa.
Atlanta, Ga.
Los Angeles, Calif.

Christian Keedy, A.B., 1937, Amherst College	Amherst, Mass.
Park Dudley Keller, B.S., 1934, Utah State Agricultural College	Mink Creek, Idaho
Charles Everett Koop, A.B., 1937, Dartmouth College	Brooklyn, N. Y.
Joseph Abraham Leonard, A.B., 1937, Cornell University	Brooklyn, N. Y.
Robert Osborn Loomis, A.B., 1938, Cornell University	Rochester, N. Y.
Grover Arthur Lyon, Jr., B.S., 1937, Columbia University	Bridgeport, Conn.
Richard Ronald McCormack, A.B., 1937, Columbia College	Arlington, N. J.
Alexander Sterling MacDonald, Jr., A.B., 1936, Harvard College	Winchester, Mass.
Elizabeth McNaughton Main, A.B., 1937, Mount Holyoke College	Swarthmore, Pa.
John Jacob Morris, A.B., 1937, Holy Cross College	Larchmont, N. Y.
Charles Benjamin Mosher, A.B., 1938, Cornell University	Dunkirk, N. Y.
Hugh Douglas Palmer, A.B., 1937, Columbia University	New York, N. Y.
Foster Dickerman Park, A.B., 1937, Smith College	Brooklyn, N. Y.
Milton Reeves Porter, A.B., 1938, Cornell University	Garden City, N. Y.
Edward Abiel Raymond, II, A.B., 1937, Yale University	Scarsdale, N. Y.
John Francis Sweet Reed, B.S., 1937, Bowdoin College	Rockport, Mass.
James Buchanan Ridley, A.B., 1937, University of Alabama	New York, N. Y.
Edward Champlain Riley, M.E., 1931, Cornell, M.S., 1934, Harvard	Plainfield, N. J.
Edwin Carman Rowe, B.S., 1937, Wesleyan College	East Hampton, N. Y.
George Robert Saunders, B.S., 1937, Lafayette College	Maplewood, N. J.
Stanley David Simon, A.B., 1937, Cornell University	Brooklyn, N. Y.
Abraham Sophian, Jr., B.S., 1938, Stanford University	Kansas City, Mo.
Emmet Robinson Spicer, A.B., 1937, University of North Carolina	Goldsboro, N. C.
Richard Boies Stark, B.S., 1936, Stanford University	Riverside, Cal.
Mildred Harvell Thompson, B.A., 1937, University of Mississippi	Mountain Lakes, N. J.
John Joseph Thorpe, B.S., 1937, Fordham University	Atlantic Highlands, N. J.
Eben Dawes Tisdale, A.B., 1937, Amherst College	Taunton, Mass.
Preston Stenz Weadon, A.B., 1938, Cornell University	Garden City, N. Y.
Winthrop Sherwood Welch, A.B., 1937, Cornell University	Ithaca, N. Y.
Roscoe Squires Wilcox, A.B., 1938, Cornell University	Rochester, N. Y.
Emanuel Wolinsky, A.B., 1938, Cornell University	New York, N. Y.
Robert Post Worden, B.S., 1937, Hamilton College	Auburn, N. Y.

SECOND YEAR

Margaret MacCrae Austin, A.B., 1938, Vassar College	Upper Montclair, N. J.
Alan Norton Benner, A.B., 1937, Pomona College	San Mateo, Calif.
Henry Bertull, A.B., 1938, Columbia University	Brooklyn, N. Y.
Solomon Hillel Blondheim, B.S., 1938, College of the City of New York	New York, N. Y.
Charles Breedis, A.B., 1938, New York University	New York, N. Y.
Otto Whitmore Burtner, Jr., B.S., 1931, Mass. Institute of Technology	New York, N. Y.
Dorothy Ida Chandler, A.B., 1937, Vassar College	Orangeburg, N. Y.
John George Chesney, A.B., 1938, Yale University	New York, N. Y.
Galen Marke Cundiff, A.B., 1937, M.A., 1938, University of Kentucky	Somerset, Ky.
Edward Lintott Curran, A.B., 1938, Bowdoin College	Bangor, Maine
William Joseph Curry, B.S., 1938, Manhattan College	Jackson Heights, N. Y.
George William Dana, A.B., 1938, Dartmouth College	Scarsdale, N. Y.
William Hope Dean, B.A., 1938, Brown University	New York, N. Y.
Julius Herbert Dietz, Jr., A.B., 1938, Columbia College	New York, N. Y.
Richard Byron Donaldson, B.S., 1938, Washington and Jefferson	E. Cleveland, Ohio
William Russell Eastman, Jr., A.B., 1938, Pomona College	La Jolla, Calif.
Bruce M. Esplin, A.B., 1939, Cornell University	Dansville, N. Y.
John Thomas Flynn, A.B., 1937, Fordham University	Erie, Pa.
Robert Emmett Foley, A.B., 1938, Dartmouth College	Worcester, Mass.
Trumbull Frazer, A.B., 1938, Yale University	Asheville, N. C.
Bettina Boyd Garthwaite, A.B., 1937, Vassar College	Conshohocken, Pa.
Theodore Charles Gerwig, Jr., A.B., 1938, Cornell University	Pittsburgh, Pa.
Kenneth Montgomery Gillroy, B.S., 1937, Fordham University	Stamford, Conn.

- Onslow Allen Gordon, III, A.B., 1938, Dartmouth College
 Vincent Augustine Gorman, A.B., 1935, University of Notre Dame
 William Joseph Grace, B.S., 1938, St. Peter's College
 William Arthur Harvey, A.B., 1938, Fordham University
 George Hathaway, Jr., B.A., 1938, Colgate University
 Robert Cornelius Hickey, B.S., 1938, Cornell University
 John Stone Hooley, A.B., 1938, Cornell University
 William Theron Hudspeth, B.A., 1936, University of Arizona
 Carlton Cuyler Hunt, A.B., 1939, Columbia University
 John Henry Huss, A.B., 1938, Columbia University
 Daniel Robert Keating, B.S., 1938, Holy Cross College
 Robert McKee Kiskaddon, A.B., 1938, Washington and Jefferson
 Charles Monroe Landmesser, A.B., 1939, Cornell University
 Lawrence Lee, Jr., B.S., 1938, University of Virginia
 Daniel Easer Lester, B.S., 1938, Fordham University
 David Hower MacFarland, A.B., 1938, Cornell University
 John Francis McGrath, B.A., 1938, Amherst College
 Richard Vernon Mansell, A.B., 1936, Colgate University,
 M.A., 1938, Syracuse University
 Robert George Marks, A.B., 1938, Columbia University
 John Burton Mayes, B.S., 1939, Ohio University
 Frederic Breed Mayo, A.B., 1938, Amherst College
 William Talbot Mosenthal, A.B., 1938, Dartmouth College
 Thomas Edward Mosher, B.S., 1938, College of the City of New York
 Robert Cushman Murphy, Jr., A.B., 1938, Harvard University
 Carleton McKenzie Neil, A.B., 1938, Columbia University
 Ward Daniel O'Sullivan, A.B., 1938, Fordham College
 Albert Morss Patten, A.B., 1938, Washburn College
 Arthur Nottingham Pauly, A.B., 1938, Cornell University
 Raymond Pearson, A.B., 1938, Cornell University
 John McClelland Peck, B.S., 1938, Cornell University
 Charles Richard Perryman, B.A., 1938, Dartmouth College
 John B. Pfeiffer, B.S., 1938, St. Peter's College
 Arthur Delong Philson, B.S., 1938, University of Notre Dame
 Robert Seymour Pollack, A.B., 1938, Dartmouth College
 Oliver James Purnell, A.B., 1938, Duke University
 Walter Franklin Riker, B.S., 1939, Columbia University
 Franklin Robinson, A.B., 1939, Columbia University
 Irving Sarnoff, A.B., 1938, Cornell University
 Robert Joseph Schaeffer, B.S., 1938, Pennsylvania State College
 Joseph Schulman Shapiro, A.B., 1939, Cornell University
 Sabato-Vincent R. Sordillo, A.B., 1938, Columbia University
 Walter Joseph Sperling, Jr., A.B., 1938, Wesleyan University
 Charles Arthur Lloyd Stephens, Jr., A.B., 1938, Cornell University
 Katharine Whitin Swift, A.B., 1938, Smith College
 Corrine Louise Tanner, B.A., 1938, Reed College
 Ralph Pierre Townsend, A.B., 1938, Wesleyan University
 William Easton Wakeley, Jr., A.B., 1938, University
 of North Carolina
 Willt Francis Whitmore, B.S., 1938, Rutgers University
 John Rawling Willoughby, Jr., A.B., 1938, Amherst College
 Thomas Scudder Winslow, A.B., 1938, Princeton University
- Brooklyn, N. Y.
 Kingston, N. Y.
 Jersey City, N. J.
 Brooklyn, N. Y.
 Upper Montclair, N. J.
 Barton, N. Y.
 Rockville Centre, N. Y.
 Tuscon, Ariz.
 New York, N. Y.
 Port Chester, N. Y.
 Milwaukee, Wis.
 Coshocton, Ohio
 Millburn, N. J.
 Savannah, Georgia
 East Hampton, N. Y.
 Utica, N. Y.
 New York, N. Y.
 New York, N. Y.
 New York, N. Y.
 Brooklyn, N. Y.
 Lynn, Mass.
 Upper Montclair, N. J.
 New York, N. Y.
 Bronxville, N. Y.
 North Bergen, N. J.
 New York, N. Y.
 Topeka, Kans.
 Montclair, N. J.
 Ithaca, N. Y.
 Cortland, N. Y.
 Red Oaks, Iowa
 Hollis, N. Y.
 Pelham Manor, N. Y.
 New York, N. Y.
 Rockville, Conn.
 Hasbrouck Heights, N. J.
 New York, N. Y.
 Ossining, N. Y.
 Jeannette, Pa.
 Paterson, N. J.
 Hoboken, N. J.
 New York, N. Y.
 New Rochelle, N. Y.
 Whitinsville, Mass.
 Portland, Oregon
 Hartsdale, N. Y.
 South Orange, N. J.
 Amityville, N. Y.
 Warren, Ohio
 New York, N. Y.

FIRST YEAR

- Joseph Francis Artusio, Jr., B.S., 1939, St. Peter's College
 Joseph Blanchard, B.A., 1939, Wesleyan University
 James William Boyd, B.A., 1939, Princeton University
- Jersey City, N. J.
 Brookline, Mass.
 Upper Montclair, N. J.

Samuel Gilbert Blount, Jr., B.S., 1939, Rhode Island State College	Providence, R. I.
Frederic Bridgham Champlin, Columbia University*	Albion, Maine
Wayne Albert Chesledon, Cornell University* Fort H. G. Wright, Fisher's Island, N. Y.	Cortland, N. Y.
Carl Wesley Clark, Jr., Cornell University*	New York, N. Y.
Cynthia May Coonley, B.A., 1938, Stanford University	Freeport, N. Y.
John Stewart Cowdery, A.B., 1938, Columbia University	Westfield, N. J.
Laurence Meredith Currier, B.S., 1939, Bucknell University	Jackson Heights, N. Y.
William Joseph Curry, B.A., 1938, Manhattan College	Morristown, N. J.
Robert Merritt Dalrymple, A.B., 1939, Columbia University	New York, N. Y.
Ethel Shepherd Dana, A.B., 1939, Bryn Mawr College	Ridgewood, N. J.
Robert Douglas Deans, Cornell University*	Woodside, N. Y.
Joseph Carlos Denslow, Jr., A.B., 1932, Ohio Wesleyan University	South Orange, N. J.
Peter De Witt, B.A., 1939, Union College	New York, N. Y.
Robert Hugh Draddy, B.S., 1939, Manhattan College	Astoria, N. Y.
Albert Anthony Dunn, Jr., B.S., 1939, Fordham University	Utica, N. Y.
Henry John Ehresman, Cornell University*	Massillon, Ohio
Thomas Kerstetter Ellis, B.S., 1938, Mount Union College	Watertown, N. Y.
Alan Wilson Fraser, A.B., 1939, Bard College	New York, N. Y.
John Winslow French, A.B., 1939, Princeton University	New York, N. Y.
Julien Andre Garbat, Cornell University*	Durham, N. C.
John Glasson, A.B., 1939, Duke University	Kingston, N. Y.
Rosemary Veronica Gorman, A.B., 1939, Trinity College, (D. C.)	Perth Amboy, N. J.
Francis Greenspan, Cornell University*	Brooklyn, N. Y.
Edward Stewart Holcomb, A.B., 1939, Cornell University	Passaic, N. J.
Edward Gordon Howe, A.B., 1939, Princeton University	Brooklyn, N. Y.
Bernard Hyde, A.B., 1939, Cornell University	Corning, N. Y.
Cedric Clarendon Jimerson, Cornell University*	Elizabeth, N. J.
Clayton Berry Jones, Jr., B.A., 1939, Amherst College	Spring Valley, N. Y.
Arthur Daniel Josephson, B.S., 1939, Manhattan College	New York, N. Y.
Robert Martin Klein, B.S., 1939, Fordham University	Bound Brook, N. J.
Robert Koegel, B.S., 1935, Rutgers University	Washington, D. C.
Ben Ray Lawton, B.A., 1939, Washington & Lee University	Wilkes-Barre, Pa.
Charles Frederick Laycock, A.B., 1939, Princeton University	Bronxville, N. Y.
James Robert Lee, B.S., 1939, Georgetown University	Elmira, N. Y.
Benjamin Franklin Levy, Jr., A.B., 1939, Cornell University	Hartsdale, N. Y.
John Llanyllan Lewis, A.B., 1935, Cornell University	Brooklyn, N. Y.
Morris Owen Locks, Cornell University*	New York, N. Y.
William McDermott, A.B., 1936, Princeton University	Pawtucket, R. I.
M.A., 1938, Columbia University	Ford City, Pa.
Henry Charles McDuff, A.B., 1938, Dartmouth College	Groton, Conn.
Frank Hamilton McNutt, Jr., B.S., 1939, Washington & Jefferson College	Santa Barbara, Calif.
Archibald Duncan MacDougall, Colgate University*	New York, N. Y.
John Brown Manning, Jr., B.A., 1939, Pomona College	Maplewood, N. J.
Henry Jeffrey Mapes, A.B., 1939, Amherst College	Binghamton, N. Y.
Robert Monroe Marcussen, Cornell University*	Lexington, Mass.
Robert George Marquardt, A.B., 1939, Cornell University	Roslyn Heights, N. Y.
Guy Burnham Maynard, Jr., B.S., 1939, Trinity College	Albany, N. Y.
Richard Vincent Meaney, Cornell University*	Worcester, Mass.
John Sherman Mertz, A.B., 1939, Yale University	Brooklyn, N. Y.
Paul Eugene Messier, A.B., 1939, Bowdoin College	Olean, N. Y.
Robert Jason Michtom, A.B., 1939, Cornell University	Greenough, Montana
Harold Cecil Miles, Cornell University*	Dongan Hills, S. I., N. Y.
Benjamin Henry Morris, B.A., 1939, Montana State University	Bloomfield, N. J.
John Langdon Norris, B.S., 1939, Rutgers University	New York, N. Y.
Mervin Goodman Olinger, A.B., 1939, Cornell University	Teaneck, N. J.
Richard Searles Osenkopf, Cornell University*	Long Island City, N. Y.
Thomas Paine Potter, Jr., B.A., 1939, De Pauw University	New York, N. Y.
Charles Povolny, B.A., 1939, Lafayette College	
Alden Raisbeck, B.A., 1939, Columbia University	

- Ralph Winne Reynolds, A.B., 1939, Dartmouth College
 John Mark Richards, Cornell University*
 Theodore Robertson, B.S., 1939, Cornell University
 Robert Misner Rose, A.B., 1939, Cornell University
 Seymour Edward Rosenthal, B.A., 1939, Columbia University
 Frank Philip Sainburg, A.B., 1939, Cornell University
 Frederick Kingsbury Sargent, B.A., 1939, Yale University
 Katharine Scudder, A.B., 1939, Vassar College
 William A. Seidler, Jr., A.B., 1939, Grinnell College
 Leyland Edwards Stevens, B.A., 1939, Wesleyan University
 John Howard Stover, Jr., B.S., 1939, Albright College
 Joseph Franklyn Taggard, B.S., 1939, Manhattan College
 Archibald Wilson Thomson, Jr., A.B., 1939, Cornell University
 Elmer Howard Tuttle, B.S., 1939, Columbia University
 Bruce Roberts Valentine, A.B., 1939, Swarthmore College
 Samuel Grant Frear Waddill, B.S., 1939, Washington & Jefferson College
 Walter Wahrenberger, A.B., 1939, Cornell University
 Walter Charles Watkins, B.A., 1939, University of Texas
 Susan Whyte Williamson, A.B., 1939, Vassar College
 Sam Swartz Woolington, A.B., 1939, Stanford University
 Walter Edward Wright, B.A., 1939, Wesleyan University
- Albany, N. Y.
 Stony Point, N. Y.
 Brooklyn, N. Y.
 Tonawanda, N. Y.
 Brooklyn, N. Y.
 Ithaca, N. Y.
 North Haven, Conn.
 Claremont, Calif.
 Jamaica, Iowa
 Naugatuck, Conn.
 N. Arlington, N. J.
 New York, N. Y.
 Poughkeepsie, N. Y.
 Rochester, N. Y.
 Kew Gardens, N. Y.
 Passaic, N. J.
 Woodcliff, N. J.
 Borger, Texas
 New York, N. Y.
 Long Beach, Calif.
 Manchester, Conn.

SUMMARY

Fourth Year	71
Third Year	65
Second Year	73
First Year	82
Total	291

STUDENTS IN THE GRADUATE SCHOOL

Master of Arts, 1939

Miriam Kornblith, B.A., 1937, Barnard College Brooklyn, N. Y.

Candidates for Degree of Doctor of Philosophy

Alice G. Elftman, B.A., 1926, New York State
 College for Teachers, M.A., 1929, Cornell University Leonia, N. J.
 John MacLeod, B.A., 1934, M.S., 1937, New York University New York, N. Y.
 Arden W. Moyer, A.B., 1937, M.S., 1938, University of Illinois Frederick, Ill.
 Irving Rappaport, B.S., 1936, M.S., 1937, New York University New York, N. Y.
 Jay R. Schenck, B.S., 1936, University of Illinois,
 M.S., 1937, George Washington University Geneva, Ill.

Candidate for Degree of Master of Science

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SPECIAL STUDENTS

1938-39

Eyup Canat, M.D., Moscow Medical University of Istanbul Ankara, Turkey
 Lawrence Jacobius, M.D., Albany Medical College New York, N. Y.
 Edwin M. Shepherd, B.S., 1933, Hampden Sydney College,
 M.D., 1937, Cornell University Medical College Charleston, W. Va.

THE MEDICAL COLLEGE STAFF

	PAGE
Adair, Frank E.	Surgery 64
Adams, Elizabeth	Medicine 51
Adams, Harold B.	Pediatrics 60
Allen, Edward B.	Psychiatry 62
Anderson, Arthur F.	Pediatrics 60
Andre, Rose	Surgery 65
Andrus, William DeW.	Surgery 64
Angevine, D. Murray	Pathology; Medicine 47; 51
Anslow, William P. Jr.	Biochemistry 42
Antenucci, Arthur J.	Medicine 51
Antoville, Abraham A.	Medicine 51
Apgar, Charles S.	Anatomy 39
Applebaum, Jacob	Surgery (Otolaryngology) 64
Archer, William M.	Medicine (Dermatology) 51
Ashe, Benjamin I.	Medicine 51
Atkinson, Miles	Surgery (Otolaryngology) 64
Ayres, William H.	Surgery (Otolaryngology) 65
Bailey, Robert L., Jr.	Medicine 53
Baldwin, Horace S.	Medicine 51
Balensweig, Irvin	Surgery (Orthopedics) 64
Barbu, Valer	Psychiatry 62
Barker, Samuel B.	Physiology; Medicine 44; 53
Barnhart, Ruth	Pediatrics 60
Barnes, William A.	Pathology 47
Barringer, Benjamin S.	Surgery (Urology) 64
Bayer, D. Scott	Obstetrics and Gynecology 57
Beard, James R., Jr.	Medicine 51
Beeuwkes, Henry	Public Health & Preventive Medicine 69
Belcher, Anne S.	Surgery (Otolaryngology) 65
Benson, Ralph C.	Obstetrics and Gynecology 57
Bercovitz, Zacharias	Medicine 52
Bergamini, Herbert	Surgery 64
Berliner, Milton L.	Surgery (Ophthalmology) 64
Bethea, James M.	Medicine 52
Binger, Carl A.	Psychiatry (Medicine) 62
Binkley, Francis	Biochemistry 42
Binkley, George E.	Medicine 52
Bohnengel, Charles	Psychiatry 62
Bowers, Ralph F.	Surgery 64
Brahdy, M. Bernard	Pediatrics 60
Brane, Charles M.	Surgery 64
Bray, Harry A.	Medicine (Tuberculosis) 51

	PAGE
Brodman, Keeve	52
Brown, George B.	42
Brown, Veronica C.	62
Brush, A. Louise	62
Buckstein, Jacob	52
Burk, Dean	42
Butler, Katherine	52
Cameron, Norman	62
Carey, William H.	57
Carty, John R.	72
Cattell, McKeen	50
Cecil, Russell L.	51
Chambers, William H.	44
Chandler, Joseph P.	42
Cheney, Clarence O.	62
Chenoweth, Arthur I.	65
Child, C. Gardner III.	65
Clifton, E. Everett	65
Cobb, Clement B. P.	60
Conkey, Ogden F.	57
Conner, Lewis A.	51
Conway, Herbert	64
Cooke, Robert A.	51
Cooper, William A.	64
Cornell, Nelson W.	64
Craig, Robert L.	57
Craver, Lloyd F.	51
Cussler, Edward	51
Dann, Margaret	60
Davis, John Staige, Jr.	65
Dean, Archie L., Jr.	64
Deitrick, John E.	52
de Junco, Gerard	57
Denker, Peter G.	52
Dennen, Edward H.	57
Despert, J. Louise	62
Diethelm, Oskar	62
Dineen, Paul A.	64
Dodd, Edward M.	52
Dooley, Parker	60
Doty, Edwin J.	62
Douglas, Edward W.	64
Douglas, R. Gordon	57
Downs, Wilbur G.	53
Drake, Charles A.	65

	PAGE
Draper, John W.	Surgery (Urology) 65
Drew, J. Edwin	Surgery (Urology) 65
Du Bois, Eugene F.	Medicine 51
Du Bois, Robert O.	Pediatrics 60
Dudley, Guilford S.	Surgery 64
Duley, Wade	Surgery 65
Dundee, John C.	Medicine 52
Dunn, William H.	Psychiatry 62
Dunning, Henry S.	Medicine 52
du Vigneaud, Vincent	Biochemistry 42
Eckel, John H.	Surgery 65
Edwards, Dayton J.	Physiology, Assistant Dean 44
Eggleston, Cary	Medicine 51
Elser, William J.	Appl. Path. & Bact. (Emeritus) 10
Ensworth, Herbert K.	Medicine 52
Erdman, Seward	Surgery 64
Evans, B. Mildred	Psychiatry 62
Evans, John A.	Surgery 65
Evans, Willis F.	Medicine 53
Ewing, James	Pathology (Oncology) 47
Falconer, Frank M.	Medicine 52
Falk, Emil A.	Medicine 52
Farr, Charles E.	Surgery 64
Fausset, C. Basil	Surgery 65
Felter, Robert K.	Surgery 65
Finesilver, Edward M.	Surgery 65
Fitch, Emmet C.	Surgery (Otolaryngology) 65
Fitch, Leston E.	Obstetrics & Gynecology 57
Fonde, George H.	Medicine 52
Foot, N. Chandler	Surgery (Surg. Pathology) 64
Forkner, Claude E.	Medicine 51
Foster, Frank P.	Medicine 52
Franklin, John E.	Pub. Hl. & Prev. Med.; Pedia. 69; 60
Freund, Jules	Pathology 47
Friedman, Ben	Medicine 52
Friess, Constance	Medicine 52
Fulkerson, Lynn L.	Obstetrics & Gynecology 57
Furth, Jacob	Pathology 47
Garrick, Thomas J.	Surgery (Otolaryngology) 65
Gause, Ralph W.	Obstetrics & Gynecology 57
Genvert, Harold	Surgery 65
Gerster, John C. A.	Surgery 64
Gibbons, John M.	Medicine 52
Gibson, Charles L.	Surgery (Emeritus) 10
Gilmour, Andrew J.	Medicine (Dermatology) 52

	PAGE
Glassman, Oscar	Obstetrics & Gynecology 57
Glenn, Frank	Surgery 64
Glusker, David	Medicine 52
Glynn, Martin J., Jr.	Pediatrics 60
Goff, Byron H.	Obstetrics & Gynecology 57
Gold, Harry	Pharmacology 50
Goodridge, Malcolm	Medicine 51
Gordon, Harry H.	Pediatrics 60
Grace, Arthur W.	Medicine 52
Graebner, Herbert	Surgery (Otolaryngology) 65
Graham, Thomas N.	Medicine (Dermatology) 52
Greeley, Arthur V.	Obstetrics & Gynecology 57
Greenacre, Phyllis	Psychiatry 62
Greenberg, Sidney	Medicine 52
Griffin, Eugene	Obstetrics and Gynecology 57
Gudger, James R.	Medicine 53
Guion, Connie M.	Medicine 57
Halpern, Salmon R.	Pediatrics 60
Hamilton, Francis J.	Psychiatry 62
Hammond, Warner S.	Anatomy 39
Hanks, James M.	Pediatrics 60
Hansson, Kristian G.	Surgery (Orthopedics) 65
Hardy, James D.	Medicine 53
Hare, Kendrick	Physiology 44
Harlow, Ralph P.	Psychiatry 62
Harrar, James A.	Obstetrics and Gynecology 57
Harrington, Helen	Pediatrics 60
Harrison, Harold E.	Pediatrics 60
Hartwell, John A.	Surgery (Emeritus) 10
Hass, George M.	Pathology 47
Hatcher, Robert A.	Pharmacology (Emeritus) 10
Hauser, Edwin T.	Medicine 52
Hauser, Louis A.	Medicine 52
Hausman, Louis F.	Anatomy; Medicine (Neurol.) 39; 51
Hawkins, William H.	Obstetrics & Gynecology 57
Haynes, Irving S.	Surgery (Emeritus) 10
Hayward, Emeline P.	Psychiatry 62
Healy, Martin J., Jr.	Surgery 65
Hehre, Edward J.	Bacteriology & Immunology 46
Helpern, Milton	Pathology; Legal Medicine 47; 73
Henry, George W.	Psychiatry 62
Heuer, George J.	Surgery 64
Hinsey, Joseph C.	Anatomy 39
Hocker, Alfred F.	Radiology 72
Holman, Cranston	Surgery 64

	PAGE
Holmes, Charles M.	Psychiatry 62
Holt, Evelyn	Medicine 52
Homrich, Leslie A.	Medicine 52
Horney, Marianne	Psychiatry 62
Hoskins, Walter H.	Medicine 53
Hotchkiss, Robert S.	Surgery (Urology) 65
Howard, Frederick H.	Medicine 52
Hughes, Frederic J., Jr.	Medicine 53
Humphreys, Gustavus A.	Surgery (Urology) 65
Hunt, Frederick C.	Pediatrics 60
Huntington, Robert W.	Pathology 47
Huschka, Mabel	Psychiatry 62
Huse, Betty	Pediatrics 60
Jackson, Richard W.	Biochemistry 42
Jacobsen, Leif Y.	Medicine 52
Jaeger, Ruth Emilie	Psychiatry 62
Jaffe, Evelyn	Bacteriology & Immunology 46
Jameison, Gerald R.	Psychiatry 62
James, William T.	Anatomy 39
Javert, Carl T.	Obstetrics & Gynecology 57
Jeck, Howard S.	Surgery (Urology) 64
Jensen, D. Rees,	Surgery 65
Johnson, Scott	Medicine 52
Jones, Marshall	Psychiatry (Psychology) 62
Kabat, Elvin A.	Pathology 47
Kahn, Morton C.	Public Health & Preventive Medicine 69
Kauer, George L., Jr.	Medicine 53
Kauer, Joseph T.	Surgery 65
Kautz, Friedrich G.	Radiology 72
Kelley, Samuel F.	Surgery (Otolaryngology) 65
Kelly, LeMoyne C.	Medicine 52
Kennedy, Foster	Medicine (Neurology) 51
Keyes, Edward L.	Surgery (Urology) (Emeritus) 10
King, Joseph, E. J.	Surgery 65
Kleiber, Estelle	Medicine 52
Klotz, Walter C.	Public Health & Preventive Medicine 69
Knapp, George M.	Surgery 65
Koenig, Hedwig	Pediatrics 60
Kramer, Milton M.	Medicine 52
Krumdieck, Newton	Pathology 47
Kuder, Katherine	Obstetrics & Gynecology 57
Kuhlthau, Daniel G.	Medicine (Dermatology) 52
Kuhner, Anne E.	Surgery (Urology) 65
Ladd, William S.	Dean; Medicine 51

	PAGE
Lake, Michael	52
LaMar, Norvelle C.	62
Lasher, Earl P., Jr.	65
Lawrence, Edgar A.	52
Lemcke, Dorothea	52
Levine, Leon I.	51
Levine, Milton I.	60
Levine, Samuel Z.	60
Lewis, George M.	52
Liebolt, Frederick L.	65
Lincoln, Asa L.	51
Linton, Richard W.	47
Lintz, Robert M.	52
Lipmann, Fritz	42
Loebel, Robert O.	52
London, Isabel	52
Lonergan, Michael P.	62
Lord, Jere W., Jr.	65
Loveless, Mary E.	52
Luehrs, Leslie E.	62
Lyle, Henry H. M.	64
McAuliffe, Gervais W.	64
McCall, John O.	69
McCandlish, Howard S.	57
McCombs, A. Parks	52
McDermott, Walsh	52
McGowan, Frank J.	65
McGrath, John F.	57
McKittrick, Robert B.	53
McLane, Charles M.	57
McLellan, Allister M.	65
McLellan, Frederick C.	65
Macdonald, James O.	65
MacFee, William F.	64
Mackie, Thomas T.	69
MacNaugher, Elizabeth M.	66
Macrae, Donald J.	53
Magill, Thomas P.	46
Marchetti, Andrew A.	57
Marshall, Victor F.	66
Martin, Kirby	52
Mayer, Edgar	51
Medl, William T.	66
Mehler, Leopold	66
Meigher, Stephen C.	66
Merrill, E. Forrest	72

	PAGE
Merrill, Frederick H.	Medicine 53
Merriman, Willis E.	Psychiatry 62
Milhorat, Ade T.	Pharmacology; Medicine 50; 51
Miller, James E.	Obstetrics & Gynecology 57
Miller, Raymond E.	Medicine; Pb. H. & Prev. Med. 53; 69
Mittelmann, Bela	Medicine 53
Modell, Walter	Pharmacology 50
Moench, L. Mary	Medicine 53
Montu, Elizabeth	Public Health & Preventive Medicine 69
Moore, Robert A.	Pathology 47
Morrill, Charles V.	Anatomy 39
Moyer, A. Wesley	Biochemistry 42
Muller, Otto	Surgery 65
Munly, William C.	Military Medicine 74
Murphy, John C.	Surgery 66
Murphy, Willis A.	Medicine 53
Muschenheim, Carl	Medicine 53
Nathanson, Joseph N.	Obstetrics & Gynecology 57
Nauss, Ralph W.	Public Health & Preventive Medicine 69
Neill, James M.	Bacteriology & Immunology 46
Neugarten, Ludwig	Obstetrics & Gynecology 57
Nickel, William F.	Surgery 66
Niles, Henry D.	Medicine (Dermatology) 53
Niles, Walter L.	Medicine 51
Nonidez, Jose F.	Anatomy 39
Ogilvie, John B.	Surgery 66
Olcott, Charles T.	Pathology 47
Opie, Eugene L.	Pathology 47
Oppel, Theodore W.	Medicine 53
O'Regan, Charles H.	Pediatrics 60
O'Regan, John A.	Obstetrics & Gynecology 57
Owen, Joseph W.	Psychiatry 62
Pack, George T.	Surgery 64
Palmer, Arthur	Surgery (Otolaryngology) 64
Palmer, Douglass	Medicine 51
Papae, Norman	Medicine 53
Papanicolaou, George	Anatomy 39
Pardee, Harold E. B.	Medicine 51
Parsons, Herbert	Surgery 66
Pastore, John B.	Obstetrics & Gynecology 57
Patterson, Russel H.	Surgery 64
Person, E. Cooper, Jr.	Surgery 66
Peters, Frank H.	Medicine 53
Phillips, Arthur M.	Psychiatry 62

	PAGE
Phillips, Robert A.	Physiology 44
Plummer, Norman	Medicine 53
Pollack, Herbert	Medicine 53
Pool, Eugene H.	Surgery 64
Pope, Edgar M.	Surgery (Otolaryngology) 65
Rahman, Lincoln	Psychiatry 62
Ray, Bronson S.	Surgery 64
Raynolds, Arthur H.	Medicine 53
Reese, Martha K.	Pediatrics 60
Reznikoff, Paul	Medicine 51
Richards, Charles H.	Medicine 53
Richards, John H.	Medicine 51
Richardson, Eric C.	Surgery (Ophthalmology) 65
Richardson, Henry B.	Medicine 51
Ripley, Herbert S.	Psychiatry 62
Rockwell, Fred V.	Psychiatry 62
Rogers, John	Surgery (Emeritus) 10
Root, Sophie A.	Medicine 53
Roper, Joseph C.	Medicine 51
Rosensohn, Meyer	Obstetrics & Gynecology 57
Rothbard, Sidney	Pathology 47
Rubin, Lionel C.	Medicine (Dermatology) 53
Russell, William L.	Psychiatry (Emeritus) 10
Ryan, Charles Diller	Psychiatry 62
Sackett, Nelson B.	Obstetrics & Gynecology 58
Sammis, Jesse F.	Pediatrics 60
Samuels, Bernard	Surgery (Ophthalmology) 64
Saxton, John A. Jr.	Pathology 47
Scanlan, Theresa	Medicine 53
Schenck, Jay R.	Biochemistry 42
Schloss, Oscar M.	Pediatrics 60
Schmidt, John G.	Surgery (Orthopedics) 65
Schmidt, William M.	Pub. Hl. & Prev. Med.; Pedia 69; 60
Schumacher, George A.	Medicine 53
Schwartz, Hans J.	Medicine (Dermatology) 51
Schwartz, Irving	Radiology 72
Senn, Milton J. E.	Pediatrics; Psychiatry 60; 62
Sherman, Jacob T.	Obstetrics & Gynecology 58
Shorr, Ephraim	Medicine 51
Simons, Donald J.	Medicine 53
Smillie, Wilson G.	Public Health & Preventive Medicine 69
Smith, Carl H.	Pediatrics 60
Smith, Frank R.	Obstetrics & Gynecology 57
Smith, John J.	Medicine 53
Smith, Morris K.	Surgery 64

	PAGE
Snyder, Charles T.	Obstetrics & Gynecology 58
Spielman, Aaron D.	Medicine 53
Spock, Benjamin McL.	Medicine 60
Spofford, Walter R.	Anatomy 39
Sprague, George S.	Psychiatry 62
Squier, Raymond R.	Obstetrics & Gynecology 57
Steele, Kyle B.	Obstetrics & Gynecology 57
Stander, Henricus J.	Obstetrics & Gynecology 57
Steffen, Gustav I.	Medicine (Clinical Pathology) 53
Stetson, Rufus E.	Surgery 65
Stevens, A. Raymond.	Surgery (Urology) 64
Stevenson, Lewis D.	Pathology; Medicine 47; 51
Stewart, Fred W.	Pathology 47
Stewart, Harold J.	Medicine 51
Stickney, John W.	Medicine 53
Stillman, Ralph G.	Medicine (Clin. Path.) 51
Stimmel, Benjamin F.	Medicine 53
Stimson, Philip M.	Pediatrics 60
Stone, Leo	Psychiatry 62
Stranahan, Marion	Psychiatry 62
Stubenbord, William D.	Medicine 53
Sugg, John Y.	Bacteriology & Immunology 46
Sullivan, Joseph V.	Radiology 72
Sulouff, D. Blair	Surgery (Ophthalmology) 65
Summerson, William H.	Biochemistry 42
Sutton, John E., Jr.	Surgery 65
Sweet, Joshua E.	Surgery (Exp. Surgery) 64
Syz, Hans	Psychiatry 62
Tarr, Leonard	Medicine 53
Timpanelli, Alphonse A.	Medicine 53
Tolstoi, Edward	Medicine 51
Torrey, John C.	Public Health & Preventive Medicine 69
Traut, Herbert F.	Obstetrics & Gynecology 57
Travell, Janet	Pharmacology 50
Tuggle, Allan	Radiology 72
Tyndall, Marian	Medicine 53
Van Cleave, Charles D.	Anatomy 39
Van Orden, T. Durland	Pediatrics 60
Vicari, Emilia M.	Anatomy 39
Vietor, John A.	Surgery 64
Vistreich, Fernand	Surgery (Otolaryngology) 66
Volpe, Samuel R.	Medicine 53
Wade, Preston A.	Surgery (Orthopedics) 65
Waldie, Thomas E.	Pediatrics 60
Wall, James H.	Psychiatry 62

	PAGE
Walton, Mary	53
Walzer, Matthew	53
Warburg, Bettina	62
Ward, George Gray	10
Warren, Charles O., Jr.	44
Washington, John A.	60
Weber, Frederick C., Jr.	53
Webster, Bruce	51
Weeden, Willis M.	65
Weintraub, Sydney	72
Werne, Jacob	47
Weymuller, Louis E.	60
Wheatley, Marjorie A.	60
Wheeler, Charles H.	53
Wheeler, George W.	51
White, Stephen	72
Whiting, Frederick	10
Williams, Byard	53
Williams, William R.	51
Williamson, Hervey C.	57
Wilson, May G.	60
Wing, Lucius A.	57
Witt, Dan H.	53
Wolf, George A., Jr.	39
Wolf, Stewart G., Jr.	53
Wolff, Harold G.	51
Woolsey, George	10
Wortis, S. Bernard	53
Yeazell, Louise A.	60
Yeomans, Frank C.	65
Yntema, Chester L.	39
Zucker, Seymour	53

