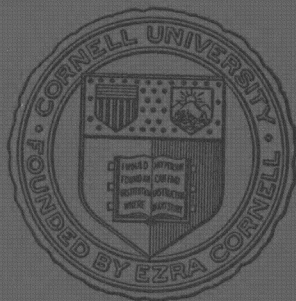


CORNELL UNIVERSITY
OFFICIAL PUBLICATION

AUGUST 12, 1953

Medical College

ANNOUNCEMENT
FOR 1953-54 SESSIONS



CORNELL UNIVERSITY
MEDICAL COLLEGE

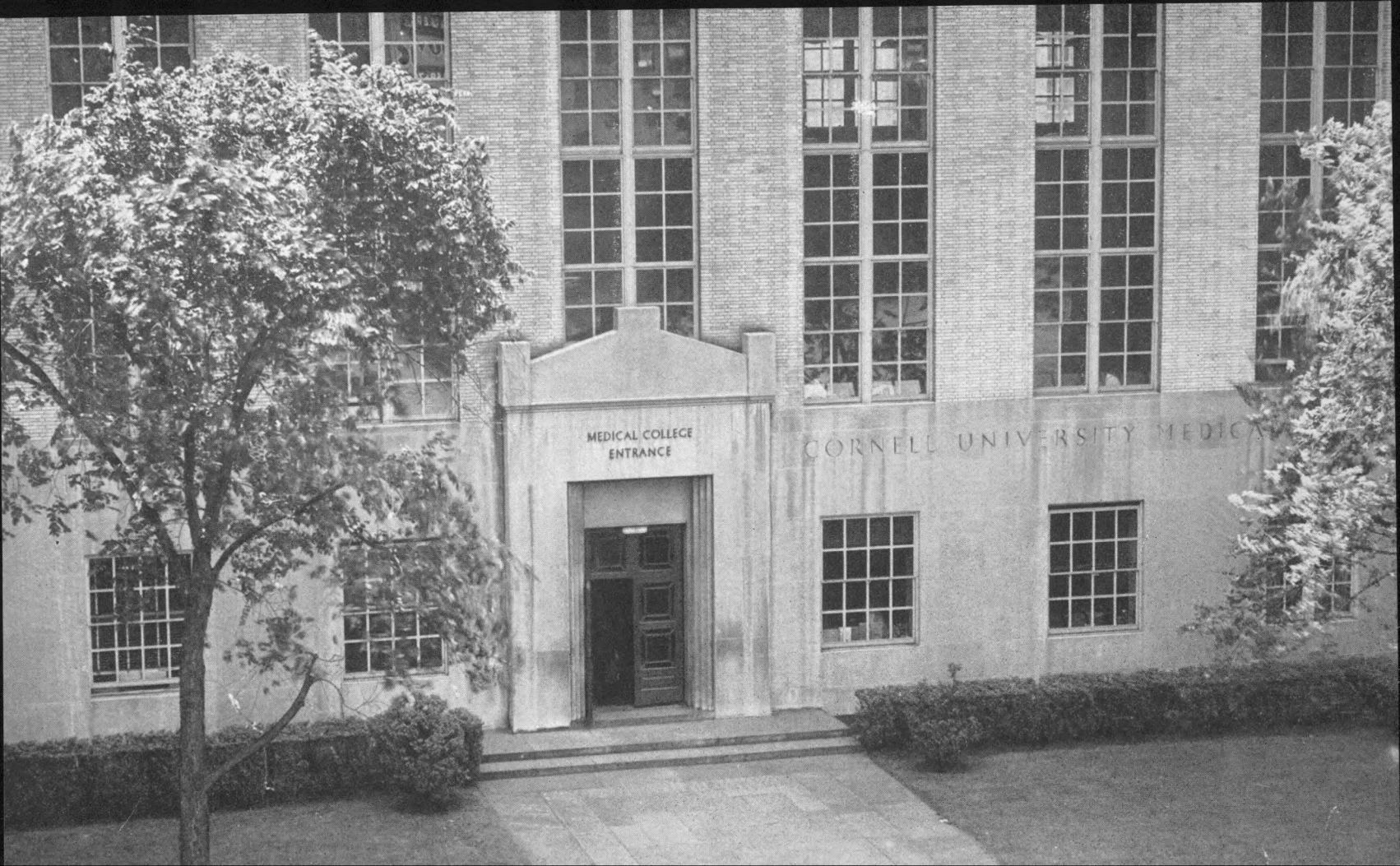
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F. W. Olin Hall, Student Residence



MEDICAL COLLEGE
ENTRANCE

CORNELL UNIVERSITY MEDICAL

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1953							1954																
<i>July</i>							<i>January</i>							<i>July</i>									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
			1	2	3	4						1	2						1	2	3		
5	6	7	8	9	10	11	3	4	5	6	7	8	9	4	5	6	7	8	9	10			
12	13	14	15	16	17	18	10	11	12	13	14	15	16	11	12	13	14	15	16	17			
19	20	21	22	23	24	25	17	18	19	20	21	22	23	18	19	20	21	22	23	24			
26	27	28	29	30	31		24	25	26	27	28	29	30	25	26	27	28	29	30	31			
							31																
<i>August</i>							<i>February</i>							<i>August</i>									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
						1			1	2	3	4	5	6			1	2	3	4	5	6	7
2	3	4	5	6	7	8	7	8	9	10	11	12	13	8	9	10	11	12	13	14			
9	10	11	12	13	14	15	14	15	16	17	18	19	20	15	16	17	18	19	20	21			
16	17	18	19	20	21	22	21	22	23	24	25	26	27	22	23	24	25	26	27	28			
23	24	25	26	27	28	29	28							29	30	31							
30	31																						
<i>September</i>							<i>March</i>							<i>September</i>									
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13	14	15	16	17	18	19	14	15	16	17	18	19	20	12	13	14	15	16	17	18			
20	21	22	23	24	25	26	21	22	23	24	25	26	27	19	20	21	22	23	24	25			
27	28	29	30				28	29	30	31				26	27	28	29	30					
<i>October</i>							<i>April</i>							<i>October</i>									
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4	5	6	7	8	9	10	4	5	6	7	8	9	10	3	4	5	6	7	8	9			
11	12	13	14	15	16	17	11	12	13	14	15	16	17	10	11	12	13	14	15	16			
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25	26	27	28	29	30	31	25	26	27	28	29	30		24	25	26	27	28	29	30			
														31									
<i>November</i>							<i>May</i>							<i>November</i>									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
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8	9	10	11	12	13	14	2	3	4	5	6	7	8	7	8	9	10	11	12	13			
15	16	17	18	19	20	21	9	10	11	12	13	14	15	14	15	16	17	18	19	20			
22	23	24	25	26	27	28	16	17	18	19	20	21	22	21	22	23	24	25	26	27			
29	30						23	24	25	26	27	28	29	28	29	30							
							30	31															
<i>December</i>							<i>June</i>							<i>December</i>									
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S			
		1	2	3	4	5			1	2	3	4	5				1	2	3	4			
6	7	8	9	10	11	12	6	7	8	9	10	11	12	5	6	7	8	9	10	11			
13	14	15	16	17	18	19	13	14	15	16	17	18	19	12	13	14	15	16	17	18			
20	21	22	23	24	25	26	20	21	22	23	24	25	26	19	20	21	22	23	24	25			
27	28	29	30	31			27	28	29	30				26	27	28	29	30	31				

Calendar

1953

- June 22 Registration and beginning of instruction for fourth year students, first division.
- July 4 Independence Day—holiday
- August 13 Second division begins for fourth year students.
- Sept. 7 Labor Day—holiday.
- Sept. 8-9 Examinations for conditioned students.
Registration for first, second, and third year classes.
- Sept. 9 Opening exercises, 3:30 p.m.
- Sept. 10 Instruction begins for first, second, and third year classes,
9 a.m.
- Oct. 5 Third division begins for fourth year students.
- Oct. 12 Columbus Day—holiday.
- Nov. 24-25 Examinations for second year students.
- Nov. 25 Fall term ends, 5 p.m.
- Nov. 26-29 Thanksgiving recess.
- Nov. 30 Winter term begins, 9 a.m.
Fourth division begins for fourth year students.
- Dec. 19 Christmas recess begins, 1 p.m.

1954

- Jan. 4 Christmas recess ends, 9 a.m.
- Feb. 4 Fifth division begins for fourth year students.
- Feb. 12 Lincoln's Birthday—holiday.
- Feb. 22 Washington's Birthday—holiday.
- March 1-2 Examinations for first year students.
- March 2 Winter term ends, 5 p.m.
- March 3-10 Spring recess.
- March 11 Spring term begins, 9 a.m.
- April 8 Sixth division begins for fourth year students.
- May 28 Instruction ends for all classes, 5 p.m.
- May 31-
- June 3 Final examinations.
- June 9 Commencement, 2:30 p.m.

UNIVERSITY OF CHICAGO
LIBRARY
1100 EAST 58TH STREET
CHICAGO, ILL. 60637
U.S.A.

The New York Hospital—Cornell Medical Center

THE CENTER 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 Center 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 Board of Trustees of Cornell University, and one other member elected by the appointed members. The Director of the New York Hospital-Cornell Medical Center is the chief executive officer of the Joint Administrative Board, composed of the following:

JOSEPH C. HINSEY, *Director*,
the New York Hospital-Cornell Medical Center
DEANE W. MALOTT HAMILTON HADLEY
NEAL D. BECKER HENRY S. STURGIS
ARTHUR H. DEAN JOHN HAY WHITNEY, *Chairman*
JOHN W. DAVIS

FORM FOR BEQUESTS

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 Center."

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 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.

THE COLLEGE COUNCIL

For the purpose of discharging its duties to the Memorial Hospital under the Douglas Deeds of Trust, the Board of Trustees is constituted

as the Council of the Cornell University Medical College in New York City.

THE COLLEGE ADVISORY COMMITTEE

There is also established a Medical College Advisory Committee, which shall consist of eleven members: The President of the University, who shall be Chairman; the Director of the New York Hospital-Cornell Medical Center; four trustees to be elected by the Board of Trustees, one of whom shall be elected each year for the term of four years; the Dean of the Medical College; two members of the Faculty of the Medical College, to be elected by such Faculty, one each year for the term of two years; two alumni of the Medical College, one to be appointed by the Medical College Alumni Association and the other by the Board of Trustees, each for a term of one year.

The Committee at present consists of the following members:

DEANE W. MALOTT, President of the University, *Chairman*, ex officio

——, Dean of the Medical College, ex officio

JOSEPH C. HINSEY, Director, The New York Hospital-Cornell Medical Center, ex officio

DOROTHY MCS. ARNOLD	}	of the Board
STANTON GRIFFIS		
JACOB G. SCHURMAN, JR.	}	of Trustees
WILLIAM B. CORNELL		
SAMUEL Z. LEVINE	}	of the Faculty
ROBERT F. PITTS		
IRVING S. WRIGHT	}	of the Alumni
NELSON W. CORNELL		
EDWARD K. TAYLOR, <i>Secretary</i>		

Officers of Administration

DEANE W. MALOTT, *President of the University*

——, *Dean of the Medical College*

LAWRENCE W. HANLON, *Assistant Dean*

DAYTON J. EDWARDS, *Secretary of the Faculty*

EDWARD K. TAYLOR, *Assistant Treasurer and Business Manager*

BEATRICE BERLE, *Counselor to Foreign Students*

ANNA F. BURKE, *Librarian*

EXECUTIVE FACULTY

DEANE W. MALOTT

DAVID P. BARR

LAWRENCE W. HANLON

McKEEN CATTELL

JOSEPH C. HINSEY

OSKAR DIETHELM

JOHN G. KIDD

R. GORDON DOUGLAS

SAMUEL Z. LEVINE

VINCENT DU VIGNEAUD

JAMES M. NEILL

FRANK GLENN

ROBERT F. PITTS

WILSON G. SMILLIE

*Standing Committees**

COMMITTEE ON CURRICULUM

Vincent du Vigneaud, *Chairman*

David P. Barr	John G. Kidd
Oskar Diethelm	Samuel Z. Levine
R. Gordon Douglas	S. W. Moore
John Y. Sugg	

COMMITTEE ON ADMISSIONS

Lawrence W. Hanlon, *Chairman*

William H. Dunn	Wilson G. Smillie
Dayton J. Edwards	Richard B. Stark
Donald B. Melville	Alphonse E. Timpanelli
Preston A. Wade	

LIBRARY COMMITTEE

Thomas P. Almy, *Chairman*

Henry L. Barnett	Richard W. Lawton
Harry W. Burnett	John MacLeod
McKeen Cattell	Julian R. Rachele
Frank Glenn	Anna F. Burke

COMMITTEE ON PROMOTION AND GRADUATION

———, *Chairman*

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

COMMITTEE ON SCHOLARSHIPS

James M. Neill, *Chairman*

John M. McLean	S. W. Moore
Paul Reznikoff	

COMMITTEE ON PRIZES IN RESEARCH

Robert F. Pitts, *Chairman*

Thomas P. Almy	John MacLeod
John M. Pearce	

*The Dean is ex officio a member of all committees.

Faculty*

DEANE W. MALOTT, *President of the University*. (A.B. 1921, University of Kansas; M.B.A. 1923, Harvard Business School; LL.D. 1941, Washburn University; LL.D. 1951, Bryant College; LL.D. 1951, Hamilton College.)

EMERITUS PROFESSORS

- | | |
|---|--|
| RUSSELL L. CECIL, M.D. [1910; 1950] | <i>Professor of Clinical Medicine</i> |
| EUGENE F. DuBOIS, M.D. [1910; 1950] | <i>Professor of Physiology</i> |
| DAYTON J. EDWARDS, Ph.D. [1918; 1950] | <i>Professor of Physiology</i> |
| CARY EGGLESTON, M.D. [1911; 1953] | <i>Professor of Clinical Medicine</i> |
| N. CHANDLER FOOT, M.D. [1932; 1948] | <i>Professor of Surgical Pathology</i> |
| MALCOLM GOODRIDGE, M.D. [1910; 1946] | <i>Professor of Clinical Medicine</i> |
| CONNIE M. GUION, M.D. [1924; 1951] | <i>Professor of Clinical Medicine</i> |
| JAMES A. HARRAR, M.D. [1932; 1948] | <i>Professor of Clinical Obstetrics
and Gynecology</i> |
| ELISE STRANG L'ESPERANCE, M.D. [1910; 1950] | <i>Professor of Clinical
Public Health and Preventive Medicine</i> |
| CHARLES V. MORRILL, Ph.D. [1915; 1953] | <i>Professor of Anatomy</i> |
| EUGENE L. OPIE, M.D. [1932; 1941] | <i>Professor of Pathology</i> |
| GEORGE PAPANICOLAOU, M.D. [1914; 1951] | <i>Professor of Clinical
Anatomy</i> |
| BERNARD R. SAMUELS, M.D. [1914; 1942] | <i>Professor of Clinical Surgery
(Ophthalmology)</i> |
| HANS J. SCHWARTZ, M.D. [1911; 1942] | <i>Professor of Clinical Medicine
(Dermatology)</i> |
| ALEXANDER R. STEVENS, M.D. [1924; 1946] | <i>Professor of Clinical Surgery
(Urology)</i> |
| JOSHUA E. SWEET, M.D. [1926; 1941] | <i>Professor of Experimental Surgery</i> |

PROFESSORS

- DAVID P. BARR, *Professor of Medicine*. Physician-in-Chief, New York Hospital; Consulting Physician, Bellevue Hospital. (A.B. 1911, M.D. 1914, Cornell; LL.D. 1929, Central College; Sc.D. 1946, Washington University. [1916; 1941])
- ALEXANDER BRUNSCHWIG, *Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (B.A. 1923, M.S. 1924, University of Chicago; M.D. 1926, Rush. [1947])
- McKEEN CATTELL, *Professor of Pharmacology*. (B.S. 1914, Columbia; A.M. 1917, Ph.D. 1920, M.D. 1924, Harvard. [1924; 1943])
- LLOYD F. CRAVER, *Professor of Clinical Medicine*. Attending Physician, Memorial Hospital. (A.B. 1915, M.D. 1918, Cornell. [1934; 1952])
- OSKAR DIETHELM, *Professor of Psychiatry*. Psychiatrist-in-Chief, New York Hospital. (Statsexamen 1922, U. of Zurich; M.D. 1923, U. of Berne. [1936])

*The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.

- R. GORDON DOUGLAS, *Professor of Obstetrics and Gynecology*. Obstetrician-and-Gynecologist-in-Chief, New York Hospital. (M.D.C.M. 1924, McGill. [1932; 1949])
- GUILFORD S. DUDLEY, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Consultant in Surgery, Second Surgical Division, Bellevue Hospital. (A.B. 1910, M.D. 1913, Cornell. [1917; 1949])
- VINCENT DU VIGNEAUD, *Professor of Biochemistry*. (B.S. 1923, M.S. 1924, Illinois; Ph.D. 1927, Rochester. [1938])
- JOHN A. EVANS, *Professor of Clinical Radiology*. Radiologist-in-Chief, New York Hospital. (B.S. 1931, New York University; M.D. 1935, Cornell. [1937; 1953])
- CLAUDE E. FORKNER, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1922, M.A. 1923, University of California; M.D. 1926, Harvard. [1938; 1953])
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery*. Surgeon-in-Chief, New York Hospital. (M.D. 1927, Washington University. [1932; 1947])
- HARRY GOLD, *Professor of Clinical Pharmacology*. (A.B. 1919, M.D. 1922, Cornell. [1922; 1947])
- PHYLLIS GREENACRE, *Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (B.S. 1913, U. of Chicago; M.D. 1916, Rush. [1932; 1933])
- LOUIS HAUSMAN, *Professor of Clinical Medicine (Neurology)*. Associate Attending Physician (Neurology), New York Hospital; Visiting Neurologist in Charge, Bellevue Hospital. (A.B. 1912, College of the City of New York; M.D. 1916, Cornell. [1923; 1945])
- JOHN G. KIDD, *Professor of Pathology*. Pathologist-in-Chief, New York Hospital. A.B. 1928, Duke; M.D. 1932, Johns Hopkins. [1944])
- 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. [1924; 1936])
- GEORGE M. LEWIS, *Professor of Clinical Medicine (Dermatology)*. Attending Physician (Dermatology), New York Hospital. (M.D. 1925, University of Alberta; L.M.C.C. 1925, Medical College of Canada. [1932; 1949])
- ASA L. LINCOLN, *Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1910, M.A. 1911, Elon College; M.D. 1916, Johns Hopkins. [1921; 1941])
- WILLIAM F. MACFEE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital, (A.B. 1914, University of Tennessee; M.D. 1918, Johns Hopkins. [1936; 1952])
- JOHN M. McLEAN, *Professor of Clinical Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology, New York Hospital. (M.E. 1930, Stevens Institute; M.D. 1934, Cornell. [1941; 1943])
- JAMES M. NEILL, *Professor of Bacteriology and Immunology*. (B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College; D.Sc. 1940, Allegheny. [1931])
- MARVIN K. OPLER, *Visiting Professor of Anthropology (Social Psychiatry)*. (A.B. 1935, University of Michigan; Ph.D. 1938, Columbia University. [1953])
- ARTHUR PALMER, *Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon (Otolaryngology), New York Hospital. (A.B. 1911, Brown; M.D. 1915, Cornell. [1923; 1948])
- JOHN M. PEARCE, *Professor of Pathology; Professor of Pathology in Surgery*. Attending Pathologist, New York Hospital. (Ph.B. 1930, Yale; M.D. 1934, Harvard. [1948])
- ROBERT F. PITTS, *Professor of Physiology*. (B.S. 1929, Butler University; Ph.D. 1932, Johns Hopkins; M.D. 1938, New York University. [1942; 1950])

- BRONSON S. RAY, *Professor of Clinical Surgery (Neurosurgery)*. Attending Surgeon in Charge of Neurosurgery, New York Hospital; Consulting Neurosurgeon, New York Hospital, Westchester Division; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1924, Franklin; M.D. 1928, Northwestern. [1932; 1948])
- THOMAS A. C. RENNIE, *Professor of Psychiatry (Social Psychiatry)*. Attending Psychiatrist, New York Hospital. (B.S. 1924, University of Pittsburgh; M.D. 1928, Harvard. [1942; 1950])
- PAUL REZNIKOFF, *Professor of Clinical Medicine*. Attending Physician, New York Hospital; Consulting Physician, Bellevue Hospital. (B.S. 1916, New York University; M.D. 1920, Cornell. [1924; 1946])
- WILSON G. SMILLIE, *Professor of Public Health and Preventive Medicine*. Consultant in Preventive Medicine and Public Health, New York Hospital. (A.B. 1908, Colorado College; M.D. 1912, D.P.H. 1916, Harvard. [1937])
- LEO SROLE, *Visiting Professor of Sociology (Social Psychiatry)*. (B.S. 1933, Harvard; Ph.D. 1940, University of Chicago. [1952])
- LEWIS D. STEVENSON, *Professor of Clinical Medicine (Neurology); Associate Professor of Pathology*. Attending Pathologist, Associate Attending Physician (Neurology), New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Associate Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1916, M.D. 1916, Queen's University. [1922; 1945])
- PHILIP M. STIMSON, *Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1910, Yale; M.D. 1914, Cornell. [1919; 1953])
- HAROLD L. TEMPLE, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (B.S. 1932, M.D. 1935, University of Nebraska. [1941; 1946])
- PRESTON A. WADE, *Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1922, M.D. 1925, Cornell. [1927; 1953])
- SYDNEY WEINTRAUB, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (M.D. 1918, Columbia. [1932; 1950])
- MAY G. WILSON, *Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1911, Cornell. [1918; 1952])
- PHILIP D. WILSON, *Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Surgeon-in-Chief, Hospital for Special Surgery. (A.B. 1909, M.D. 1912, Harvard. [1951])
- HAROLD G. WOLFF, *Professor of Medicine (Neurology); Associate Professor of Psychiatry*. Attending Physician, Associate Attending Psychiatrist, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1923, M.A. 1928, Harvard. [1931; 1948])
- IRVING S. WRIGHT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1923, M.D. 1926, Cornell. [1946; 1949])

ASSOCIATE PROFESSORS

- FRANK E. ADAIR, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1910, Sc.D. 1934, Marietta College; M.D. 1915, Johns Hopkins. [1934; 1938])
- THOMAS P. ALMY, *James Ewing Associate Professor of Neoplastic Diseases (Medicine)*. Associate Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1935, M.D. 1939, Cornell. [1940; 1948])

- ARTHUR F. ANDERSON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1916, Tufts. [1930; 1948])
- JOSEPH F. ARTUSIO, JR. *Associate Professor of Surgery (Anesthesiology); Associate Professor of Obstetrics and Gynecology (Anesthesiology)*. Anesthesiologist-in-Charge, New York Hospital. (B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1953])
- HORACE S. BALDWIN, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1917, Wesleyan University; M.D. 1921, Cornell. [1923; 1947])
- WILLIAM A. BARNES, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1933, College of the City of New York; M.D. 1937, Cornell. [1938; 1946])
- HENRY L. BARNETT, *Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.S. 1938, M.D. 1938, Washington University. [1946; 1950])
- JOHN M. BEAL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (B.S. 1937, M.D. 1941, Chicago University. [1942; 1953])
- CHARLES M. BERRY, *Associate Professor of Anatomy*. (A.B. 1938, De Pauw; M.S. 1939, Ph.D. 1941, Northwestern. [1947; 1951])
- CARL A. BINGER, *Associate Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1910, M.D. 1914, Harvard. [1932; 1948])
- GEORGE E. BINKLEY, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (M.B. 1914, Toronto. [1950; 1952])
- ROY W. BONSNES, *Associate Professor of Biochemistry; Associate Professor of Biochemistry in Obstetrics and Gynecology*. (B.S. 1930, University of Connecticut; Ph.D. 1939, Yale. [1941; 1950])
- HARRY W. BURNETT, *Associate Professor of Radiology*. Associate Attending Radiologist, New York Hospital. (A.B. 1940, Miami University; M.D. 1943, Northwestern University. [1948; 1953])
- ANTHONY C. CIPOLLARO, *Associate Professor of Clinical Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (B.S. 1924, Dartmouth; M.D. 1927, Columbia. [1948; 1951])
- BRADLEY L. COLEY, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1915, Yale; M.D. 1919, Columbia. [1941; 1950])
- HERBERT CONWAY, *Associate Professor of Clinical Surgery (Plastic Surgery)*. Attending Surgeon in Charge of Plastic Surgery, New York Hospital; Visiting Surgeon, Bellevue Hospital. (M.B. 1928, B.S. 1929, M.D. 1929, M.S. 1932, University of Cincinnati. [1932; 1946])
- WILLIAM A. COOPER, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1928, Stanford University; M.D. 1932, Cornell. [1934; 1946])
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- MARTIN J. GLYNN, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1931, Fordham; M.D. 1935, Long Island College. [1939; 1943])
- HENRY P. GOLDBERG, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1932, M.D. 1936, Johns Hopkins. [1946; 1950])
- DAN M. GORDON, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1929, M.D. 1932, Michigan. [1945; 1948])
- ARTHUR V. GREELEY, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1925, Yale; M.D. 1929, Johns Hopkins. [1932; 1949])
- SIDNEY M. GREENBERG, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1925, M.D. 1928, Cornell. [1934; 1950])
- THEODORE C. GREENE, *Assistant Professor of Anatomy*. (A.B. 1920, M.D. 1924, Harvard. [1951])
- ROGER L. GREIF, *Assistant Professor of Physiology*. (B.S. 1937, Haverford; M.D. 1941, Johns Hopkins. [1953])
- SUSAN J. HADLEY, *Assistant Professor of Clinical Medicine*. (A.B. 1941, Wisconsin; M.D. 1944, Cornell. [1946; 1952])
- WILBUR D. HAGAMEN, *Assistant Professor of Anatomy*. (B.S. 1945, Baldwin-Wallace College; M.D. 1951, Cornell. [1949; 1953])
- FRANCIS J. HAMILTON, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1928, St. Joseph's College; M.D. 1933, Jefferson. [1940; 1949])
- LAWRENCE W. HANLON, *Assistant Dean, Assistant Professor of Anatomy*. (A. B. 1935, M.D. 1938, Cornell. [1946; 1948])
- JAMES Q. HARALAMBIE, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1931, Oberlin; M.D. 1935, Yale. [1939; 1949])
- HELEN HARRINGTON, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B., M.A. 1916, University of Denver; M.D. Johns Hopkins. [1933; 1944])
- RICHARD L. HARRIS, *Assistant Professor of Clinical Psychiatry*. (M.D. 1920, University of Georgia. [1951])
- MILTON HELPERN, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1922, College of the City of New York; M.D. 1926, Cornell. [1931; 1940])
- NORMAN L. HIGINBOTHAM, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (M.D.C.M. 1926, McGill. [1940; 1950])
- LAWRENCE E. HINKLE, JR., *Assistant Professor of Clinical Medicine*. (A.B. 1938, University of North Carolina; M.D. 1942, Harvard. [1947; 1951])

- ELLIOT HOCHSTEIN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1928, Columbia; M.D. 1932, New York University. [1952; 1953])
- EVELYN HOLT, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1919, Wellesley; M.A. 1921, M.D. 1924, Cornell. [1926; 1952])
- GUSTAVUS A. HUMPHREYS, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Associate Visiting Surgeon (Urology), Bellevue Hospital. (A.B. 1927, Princeton; M.D. 1932, Columbia. [1937; 1946])
- FREDERICK C. HUNT, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1924, Western Ontario. [1932; 1940])
- GERALD R. JAMEISON, *Assistant Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (M.D. 1918, Albany Medical College. [1933; 1936])
- GEORGE JASPIN, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist in Charge of School of Radiology, New York Hospital. (B.S. 1932, Columbia; M.D. 1936, Michigan. [1945; 1948])
- D. REES JENSEN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1925, Columbia. [1928; 1949])
- DONALD G. JOHNSON, *Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1936, Maine; M.D. 1940, Yale. [1942; 1948])
- EDMUND N. JOYNER, III, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1927, Virginia Military Institute; M.D. 1932, Cornell. [1934; 1948])
- WILLIAM H. KAMMERER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (B.S. 1931, M.D. 1935, University of Indiana. [1941; 1953])
- GEORGE L. KAUER, JR., *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1938; 1949])
- JOSEPH T. KAUER, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (B.S. 1933, New York University, M.D. 1937, Cornell. [1938; 1953])
- B. H. KEAN, *Assistant Professor of Clinical Medicine (Tropical Medicine)*. Assistant Attending Physician, New York Hospital. (A.B. 1933, California; M.D. 1937, Columbia. [1952])
- SAMUEL F. KELLEY, *Assistant Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon (Otolaryngology), New York Hospital. (M.D. 1921, University of Texas. [1926; 1943])
- ANN P. KENT, *Assistant Professor of Public Health and Preventive Medicine*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1930, George Washington University; M.D. 1933, University of Maryland; M.P.H. 1939, Johns Hopkins. [1950; 1951])
- SEYMOUR G. KLEBANOFF, *Assistant Professor of Psychology*. (A.B. 1937, M.S. 1939, Yale; Ph.D. 1947, Northwestern. [1950])
- MARGARET KLUMPP, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1928, Tufts; M.D. 1932, Cornell. [1950; 1951])
- J. VERNON KNIGHT, *Assistant Professor of Medicine*. Assistant Visiting Physician, Bellevue Hospital. (A.B. 1939, William Jewell College, M.D. 1943, Harvard. [1947; 1953])

- HEDWIG KOENIG, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1918, Barnard; M.A. 1920, Columbia; M.D. 1929, Johns Hopkins. [1935; 1944])
- RICHARD N. KOHL, *Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1938, M.D. 1942, University of Cincinnati. [1945; 1950])
- BARBARA M. KORSCH, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1941, Smith; M.D. 1944, Johns Hopkins. [1947; 1952])
- HERBERT KOTEEN, *Assistant Professor of Clinical Medicine*. (A.B. 1935, University of Wisconsin, M.D. 1939, Johns Hopkins. [1943; 1953])
- ELMER E. KRAMER, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1935, M.D. Tulane. [1946; 1952])
- NORMAN KRETCHMER, *Assistant Professor of Biochemistry in Pediatrics*. (B.S. 1944, Cornell; M.S. 1945, Ph.D. 1947, Minnesota; M.D. 1952, New York State University. [1953])
- JOHN S. LADUE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. Associate Attending Physician, Memorial Hospital. (B.S. 1932, M.S. 1940, Ph.D. 1941, University of Minnesota; M.D. 1936, Harvard. [1947; 1948])
- MICHAEL LAKE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1919, M.D. 1922, Cornell. [1926; 1953])
- NORVELLE C. LAMAR, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1921, M.D. 1925, Indiana. [1932; 1942])
- RICHARD W. LAWTON, *Assistant Professor of Physiology*. (A.B. 1942, Dartmouth, M.D. 1944, Cornell. [1948; 1951])
- RICHARD E. LEE, *Assistant Professor of Clinical Medicine*. (B.S. 1939, University of Massachusetts; M.A. 1940, Ph.D. 1942, Harvard; M.D. 1947, Columbia. [1950; 1953])
- ALEXANDER HAMILTON LEIGHTON, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1923, Princeton; M.A. 1934, Cambridge; M.D. 1936, Johns Hopkins. [1947])
- CHARLES A. LEMAISTER, *Assistant Professor of Medicine*. (A.B. 1944, University of Alabama; M.D. 1947, Cornell. [1948; 1953])
- LEON I. LEVINE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1922, Cornell. [1924; 1939])
- MILTON I. LEVINE, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.S. 1923, College of the City of New York; M.D. 1927, Cornell. [1933; 1944])
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- SOL S. LIGHTMAN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1918, College of the City of New York; M.D. 1921, Cornell. [1943; 1947])
- MACK LIPKIN, *Assistant Professor of Clinical Medicine*. (B.S. 1926, College of the City of New York; M.D. 1930, Cornell. [1953])
- EDWARD J. LORENZE, III, *Assistant Professor of Clinical Medicine (Physical Medicine)*. (M.D. 1946, New York University. [1953])
- DANIEL S. LUKAS, *Assistant Professor of Medicine*. (A.B. 1944, M.D. 1947, Columbia. [1948; 1953])

- BERNARD MAISEL, *Assistant Professor of Clinical Surgery*. (A.B. 1936, M.D. 1940, Johns Hopkins. [1945; 1953])
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- KIRBY A. MARTIN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1922, Washington University, St. Louis. [1927; 1953])
- ABRAHAM MAZUR, *Assistant Professor of Biochemistry in Medicine*. (B.S. 1932, College of the City of New York; M.A. 1934, Ph.D. 1938, Columbia. [1941; 1949])
- JOHN L. McCLENAHAN, *Assistant Professor of Clinical Radiology*. (A.B. 1937, Yale; M.D. 1941, University of Pennsylvania. [1949; 1953])
- RICHARD R. McCORMACK, *Assistant Professor of Clinical Medicine*. (A.B. 1937) Columbia; M.D. 1941, Cornell. [1946; 1953])
- FRANK J. McGOWAN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1919, M.D. 1921, Columbia. [1932; 1950])
- FREDERICK C. McLELLAN, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (B.S. 1929, M.D. 1933, Dalhousie; M.S. 1936, Michigan. [1941; 1948])
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- CURTIS L. MENDELSON, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1934, Michigan; M.D. 1938, Cornell. [1947])
- MARY E. MERCER, *Assistant Professor of Pediatrics; Assistant Professor of Pediatrics in Psychiatry*. Associate Attending Pediatrician, New York Hospital. (B.S. 1932, Simmons; M.D. 1943, Colorado. [1945, 1948])
- LAURENCE MISCALL, *Assistant Professor of Clinical Surgery*. Visiting Surgeon, Bellevue Hospital. (A.B. 1926, M.D. 1930, Cornell. [1942; 1947])
- WALTER MODELL, *Assistant Professor of Clinical Pharmacology*. (B.S. 1928, College of the City of New York; M.D. 1932, Cornell. [1932; 1949])
- CHARLES T. OLCOTT, *Assistant Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1911, Princeton; M.D. 1916, Cornell. [1926; 1943])
- PHILIP OLLSTEIN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. (M.D. 1927, Long Island College of Medicine. [1944; 1950])
- CHARLES H. O'REGAN, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1919, St. Francis Xavier; M.D. 1928, McGill. [1932; 1944])
- WARD D. O'SULLIVAN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1938, Fordham; M.D. 1942, Cornell. [1943; 1951])
- RALPH S. OVERMAN, *Assistant Professor of Biochemistry in Medicine*. (A.B. 1938, University of Illinois; M.S. 1941, University of Wisconsin; Ph.D. 1942, University of Wisconsin [1947; 1951])

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- MARY ANN PAYNE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1935, Hood; M.A. 1941, Ph.D. 1943, Wisconsin; M.D. 1945, Cornell. [1946; 1952])
- T. ARTHUR PEARSON, *Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1930, Gustavus Adolphus; M.A. 1934, M.D. 1935, University of Minnesota. [1948; 1949])
- NORMAN PLUMMER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1922, University of California; M.D. 1926, Cornell. [1928; 1941])
- J. LAWRENCE POOL, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1930, Princeton; M.D. 1934, Columbia. [1948])
- CURTIS T. PROUT, *Assistant Professor of Clinical Psychiatry*. Assistant Medical Director and Clinical Director, New York Hospital, Westchester Division. (A.B. 1921, M.D. 1924, Cornell; M.S. 1930, University of Michigan. [1948; 1951])
- JOSEPH E. RALL, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1940, North Central College; M.S. 1944, M.D. 1945, Northwestern University; Ph.D. 1952, University of Minnesota. [1951; 1953])
- JOSEPH F. REILLY, *Assistant Professor of Pharmacology*. (A.B. 1937, University of Illinois; M.A. 1939, Harvard; Ph.D. 1947, University of Chicago. [1948; 1953])
- GOETZ W. RICHTER, *Assistant Professor of Pathology*. Assistant Attending Pathologist, New York Hospital. (B.A. 1943, Williams College; M.D. 1948, Johns Hopkins. [1948; 1953])
- PETER C. RIZZO, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. [M.D. 1926, Bellevue]
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- NELSON B. SACKETT, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1917, Princeton; M.D. 1923, Columbia. [1932; 1948])
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- JOHN F. SEYBOLT, *Assistant Professor of Anatomy*. (B.S. 1938, Yale; M.D. 1943, Cornell. [1947; 1951])
- MARY J. SHERFEY, *Assistant Professor of Clinical Psychiatry*. (A.B. 1940, M.D. 1943, Indiana University. [1946; 1953])
- J. JAMES SMITH, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1934, St. Peters; M.D. 1938, Cornell. [1939; 1946])
- STUART S. SNYDER, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.Sc. 1941, York College; M.D. 1944, University of Nebraska. [1947; 1951])

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- ISRAEL STEINBERG, *Assistant Professor of Clinical Medicine; Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist (Angiocardiology), New York Hospital. (B.S. 1924, M.D. 1928, Harvard. [1940; 1949])
- WILLIAM D. STUBENBORD, *Assistant Professor of Clinical Medicine*. Assistant Visiting Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (B.S. 1927, Wesleyan University; M.D. 1931, Cornell. [1933; 1953])
- ARTHUR M. SUTHERLAND, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1932, Yale; M.D. 1936, Columbia. [1937; 1951])
- JOHN E. SUTTON, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1915, A.M. 1917, M.D. 1920, Cornell. [1923; 1950])
- ROY C. SWAN, *Assistant Professor of Physiology*. (A.B. 1941, M.D. 1947, Cornell. [1948; 1953])
- JOHN H. TRAVIS, *Assistant Professor of Clinical Psychiatry*. (M.B. 1911, University of Toronto. [1941; 1945])
- FRANCIS P. TWINEM, *Assistant Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. (A.B. 1917, Wooster College; M.A. 1919, Princeton; M.D. 1925, Harvard. [1950])
- F. STEPHEN VOGEL, *Assistant Professor of Pathology; Assistant Professor of Pathology in Surgery*. Assistant Attending Pathologist, New York Hospital. (A.B. 1941, Villanova; M.D. 1944, Western Reserve. [1948; 1950])
- WILLIAM L. WATSON, *Assistant Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1922, M.D. 1925, Cornell. [1940; 1950])
- WILLIS M. WEEDEN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. Assistant Attending Surgeon, New York Hospital. (A.B. 1916, M.D. 1919, Cornell. [1922; 1950])
- ARTHUR WEIDER, *Assistant Professor of Psychology (Social Psychiatry)*. (A.B. 1940, Ph.D. 1946, New York University; M.A. 1941, Columbia. [1942; 1953])
- EXIE E. WELSCH, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (B.S. 1930; M.D. 1932, University of Indiana. [1949])
- JOHN P. WEST, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1927, Alabama Polytechnic Institute; M.D. 1932, Cornell. [1938; 1949])
- LOUIS E. WEYMULLER, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.Sc. 1923, M.D. 1925, University of Nebraska. [1936; 1949])
- MARJORIE A. WHEATLEY, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1919, Vassar; M.D. 1929, Columbia. [1931; 1945])
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- HOMER C. WICK, JR., *Assistant Professor of Public Health and Preventive Medicine*. (M.D. 1945, Johns Hopkins; M.P.H. 1949, Harvard. [1952; 1953])
- HAROLD N. WILLARD, *Assistant Professor of Public Health and Preventive Medicine*. (A.B. 1939, Yale; M.D. 1943, Johns Hopkins. [1951])

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, located at 28th Street and First Avenue, and who 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 with the purpose of adding 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 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 1,182 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; 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 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 outpatient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with outpatient and other facilities for the various surgical specialists. 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 1,182 beds.

The head of each clinic, responsible for the care of patients and the conduct of 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 3,325 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. 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. The agreement between the Memorial Hospital and the College requires that the professional staff be 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.

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.

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 469 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 abundance 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.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

The Institute has been associated with Cornell University Medical College since 1913. At first it was affiliated with the Second Medical

(Cornell) Division of Bellevue Hospital, but since 1932 it has been in the New York Hospital. The Institute has supported work in metabolism which has been conducted by the members of the departments of medicine and physiology. The respiration calorimeter which was operated for a number of years by Dr. DuBois at Bellevue Hospital has been transferred by the directors of the Institute of the New York Hospital, and sufficient funds have been provided for carrying on the important metabolic studies by members of the staff. The medical director of the Institute is Dr. David P. Barr, Professor of Medicine.

THE LOOMIS LABORATORY

Founded in 1886 and located at 414 East 26th Street this institution served the purpose of undergraduate instruction in the Medical College 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 around three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the subbasement with six floors of stacks and accommodations for about 100,000 volumes. There are also a library seminar room and several rooms for the library staff.

The library contains at present over 41,000 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 textbooks pertaining especially to the subject matter of the departments. 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. 1925, Cornell, who died the year after his graduation, is used for the purchase of books of cultural and historic values 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. Because of the acceleration of college training under the Army and Navy programs during the war, the degree requirement was suspended. A return to the college degree as a prerequisite for acceptance has now been adopted by Faculty and Trustee action, and only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell Medical College.

1. Graduates of approved colleges or scientific schools; or
2. Seniors in good standing in Cornell University or in any other approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the Bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. Students from institutions other than Cornell University seeking admission under this clause must have a statement from the Dean of their college signifying approval of this plan for fulfilling the requirements for the degree. Any student failing to receive his degree under this arrangement will not be admitted to the second year of the medical course.
3. Persons who, while not possessing a Bachelor's degree, give evidence by examination that they have acquired an equivalent education and a training sufficient to enable them to profit by the instruction offered in the Medical College. This rule is intended to apply to students of foreign universities.

The basic premedical requirements which all students must fulfill to qualify for admission to the study of medicine in New York State are set forth in the "Regulations of the Commissioner of Education," the pertinent part of which is as follows: "A candidate shall present evidence of having satisfactorily completed two years of study toward a liberal arts degree registered by the Department; or its equivalent as determined by the Commissioner. The required two years of college study shall include at least 6 semester hours each in English, physics, biology or zoology, and general chemistry, and 3 semester hours in organic chemistry."

Although the requirements outlined above form the basis of eligibility for admission to the medical course, they should be considered as representing the irreducible minimum. The list contains a total of twenty-seven credit points which probably represents 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, choosing 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. 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 premedical 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.

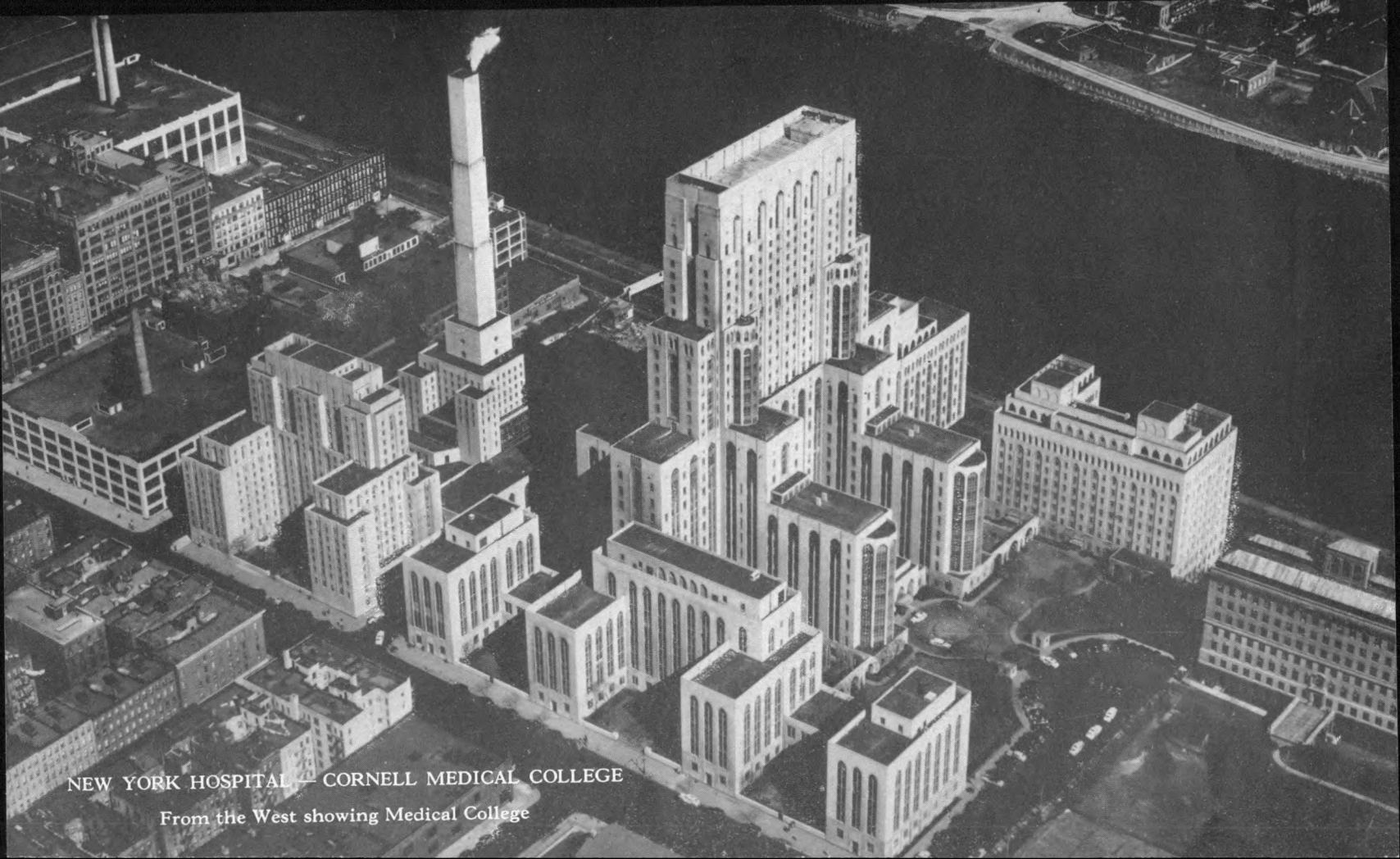
Each year the Admissions Committee selects an entering class of approximately 83 students from a group of more than 1,500 applicants. The members of the committee are keenly aware of their serious responsibility in selecting students who have the native ability, traits of character, soundness of personality, and adequate financial responsibility that will enable them to finish satisfactorily their course in the Medical College. A serious obligation to society is also acknowledged by a medical school. It must graduate only those persons who can be expected, with reasonable certainty, to do creditable work in some field of medicine after graduation. The Admissions Committee selects from all the applicants those who seem best to fulfill such requirements.

In selecting a relatively small class from a large group of well qualified applicants, the Committee is mindful of the sound and liberal traditions of Cornell University. They attempt to select well qualified students with varied backgrounds—from various geographic areas, from different socio-economic groups, and from varying types of educational institutions. As to grade averages, the Committee needs to satisfy itself that the applicant's scholastic record, both as to courses taken and grades received, gives reasonable assurance that the individual can do the medical curricular work without undue difficulty. Grading systems vary so much from school to school that no specific grade can be categorically stated as minimally acceptable. To be accepted for admission a student must have a satisfactory scholastic record. Beyond that, grades are considered less important than the personal attributes—emotional stability,



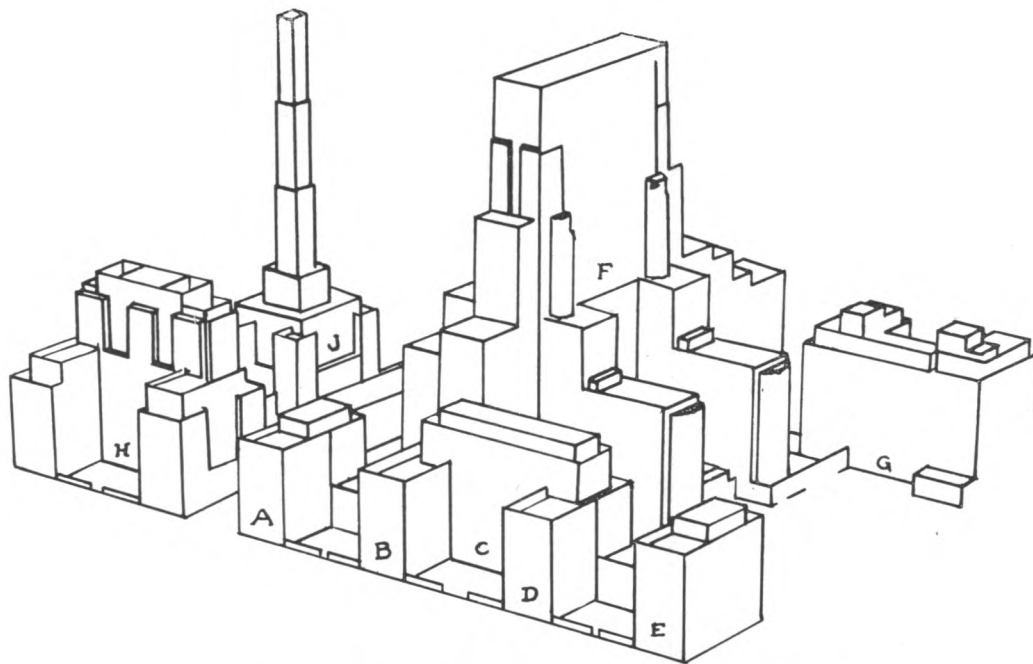
NEW YORK HOSPITAL — CORNELL MEDICAL COLLEGE

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

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

sound character, healthy personality, intellectual maturity, strong motivation, and ability to cooperate. The Medical College Admission Test results are helpful in appraising an applicant's academic ability. No one pattern of extracurricular activities is considered more meritorious than another. The Admissions Committee looks at each applicant as a total individual, insofar as that is possible with the information obtainable. Those applicants are considered acceptable who have the qualities, abilities, and capabilities considered necessary in a person who hopes to become a physician. Eligibility for admission is determined without regard for race, creed, color, religion, or national origin. Admission policies are in conformity with the policy of the state in regard to the American ideal of equality of opportunity as embodied in the Education Practices Act.

As a general rule the courses given in professional schools of pharmacy, veterinary medicine, optometry, agriculture, and the like are not considered as fulfilling adequately the admission requirements.

APPLICATIONS FOR ADMISSION

All requests for application forms and inquiries regarding dates for submitting applications should be addressed to the Committee on Admissions, 1300 York Avenue, New York City. In making application for admission, the regular form issued for this purpose must be filled out and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. With the large number of students making application in recent years, it has been necessary to assign a definite period for distributing application forms. For a class entering in September of a certain year, the application forms may be obtained on request beginning September 1 of the previous year. Applications should be completed during the fall, and no application will be accepted after January 15. A charge of \$5 is made for submitting an application. This fee should be made payable to Cornell University Medical College in the form of a check or money order and *is not returnable*.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is immediately forwarded to him, and the accepted applicant is required to make a deposit of \$50 within a specified time. This deposit is not returnable but is credited toward the first tuition payment. If the accepted student fails to make the deposit in the stipulated time, he forfeits his place on the class roll.

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.

A student who has previously attended another medical school and has been dropped for poor scholarship or unfavorable conduct is not an

acceptable candidate for admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing.

Application for a place in one of the upper classes should be filed according to the procedure described for admission to the first year class. Accepted applicants are required to make the deposit of \$50. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all of 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 present a certificate of honorable dismissal from the medical school or schools they have attended, and they may be required to take examinations in any of the medical courses taken at another school.

Although a certain number of students are regularly admitted from other institutions to enter the third year class at Cornell University Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have finished all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here since Cornell does not have a department of dentistry and makes no provision for adapting the teaching in this subject to the medical curriculum.

ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances in steps of an academic year at a time. It is necessary that he complete all the subjects listed in a given academic year 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.

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.

At the close of the academic year examinations are given in all subjects except 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 is assigned to the effort he puts in his work, his seriousness of purpose, and his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, 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 they are reviewed and formally acted on by the Faculty. The Faculty ratings classify all students of the medical course under one of four groups as follows:

1. Students with no encumbrances in any subject are recorded as "passed." This rating confers eligibility for readmission into the Medical College in the next higher class, unless by reason of conduct the Faculty considers the student unsuited for the medical profession.

2. Students with an unsatisfactory rating in 40 per cent or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for readmission into the Medical College.

3. Students with an unsatisfactory rating in less than 40 per cent of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses, and he may be reexamined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on reexaminations are ineligible for readmission into the Medical College, unless under special circumstances they are permitted by the Faculty to repeat courses in which their work is deficient.

4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the Faculty, and any student with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for readmission into 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. At the close of each academic year, however, students are informed of the quarter of the class in which their weighted average score places them in the order of class standing.

A transcript of the Medical College record of a student or graduate will be mailed on his request to accredited hospitals and to educational

or other well-recognized institutions as credentials in support of his application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the Medical College. The Medical College makes no charge for sending out transcripts of record.

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 completed successfully four full courses of at least eight months each as regular 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 and must have passed all prescribed examinations. 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.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is 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 with 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 21, N.Y.

Veterans receiving federal or state educational benefits are required to report to the Veterans Affairs Office, Room A-131, immediately after registering.

The Board of Trustees of Cornell University reserves the right to change the schedule of fees of the Medical College when deemed expedient.

APPLICATION FEE

A charge made for reviewing an application \$ 5.00

ACCEPTANCE DEPOSIT 50.00

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited toward the tuition charge and is not returnable if the student fails to enter.

MATRICULATION FEE (payable only once) 10.00

TUITION FEE, for academic year 900.00

This charge is payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth year students in the academic year of 1953-54, the first installment will be due on or before September 14. No refund or rebate will be made in any instance.

STUDENT HOSPITALIZATION INSURANCE, for calendar year 19.20

This insurance is carried through the Associated Hospital Service (Blue Cross plan) and may be extended to wives and families of married students at additional cost. This compulsory insurance plan assures a limited period of care to all students during the time they are members in good standing in the Medical College.

BREAKAGE DEPOSIT 10.00

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 second year.

GRADUATION FEE 25.00

This charge is payable two months before graduation.

BOOKS AND INSTRUMENTS, EXCLUSIVE OF MICROSCOPES

The average cost is approximately \$135 a year, distributed as follows: first year, \$150; second year, \$215; third year, \$125; fourth year, \$50.

MICROSCOPES

Each student is required to provide himself with a microscope of an approved type. The College Book Store handles all makes, and students placing their orders here are given every consideration in the purchase price on the instrument they select.

RESIDENCE AND LIVING EXPENSES

F. W. Olin Hall, student residence, will be completed for occupancy in September, 1954. This building was made possible by a generous gift from the Olin Foundation. The residence is located on York Avenue at 69th Street, directly across the street from the Medical College entrance. It will contain a gymnasium, snack bar, lounge rooms, and 281 residence rooms. Each residence room is furnished as a single bedroom-study, but, since each two rooms have a connecting bath, they may be used as a suite for two students if desired. The rooms are completely furnished, and linen service is provided. It is anticipated that rental will be \$35 per month. One floor is reserved for women students, and nonhouse-keeping facilities for married students will be available.

STUDENT HEALTH SERVICE

Members of the first year class and students transferred to advanced standing from other colleges are required to have a physical examination by a member of the Student Health Staff. In addition, each student in the Medical College must report once a year for an X-ray examination of the lungs. All members of the fourth year class are called for a reexamination, and a careful check of the findings is made with those presented at the time the student entered. Students pay no fee for the yearly X-ray examination, nor for the services of the Student Health Staff, but they are charged for any special X-ray studies. Office hours are held from twelve to two o'clock daily by the Student Health Staff. Health records are kept and students 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's Health Service is expected.

PRIZES

1. *FOR GENERAL EFFICIENCY.* In commemoration of John Metcalfe Polk, an instructor in this college who was graduated from Cornell University Medical College 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 OPHTHALMOLOGY.* Two prizes, the first of \$50, and the second of \$25, are offered by Professor Bernard Samuels to the two students of the graduating class who make the best records in ophthalmology.

3. *FOR EFFICIENCY IN OTOLARYNGOLOGY.* Two prizes, the first of \$50, and the second of \$25, are offered by members of the staff of otolaryngology to the two students of the graduating class who make the best record in this specialty.

4. *FOR EFFICIENCY IN OBSTETRICS.* Two prizes, the first of \$50, the second of \$25, 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 from \$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. *THE MARY ALDRICH FUND.* In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students of the Cornell University Medical College, the first of \$150, and the second of \$50. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report 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 Administration Office not later than three weeks prior to the end of each academic year.

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

For 1953 the William Mecklenburg Polk Prize awards for research were: first prize: Abraham Isaac Schweid; second prize: Harry Warren Daniell.

7. *THE WILLIAM C. THRO MEMORIAL FUND*. Established in memory of William C. Thro of the class of 1901 whose all-absorbing interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. This prize award is to be given to the student showing the best record in the course in clinical pathology. The candidate for the prize is to be recommended by the professor of clinical pathology and the award made by the Committee on Prizes and Scholarships.

8. *THE HERMAN L. JACOBIOUS PRIZE IN PATHOLOGY*. Established in 1945 by a gift from Dr. Lawrence Jacobius and his friends in memory of his son who was killed in action in the Netherlands on September 28, 1944. Dr. Herman L. Jacobius was a member of the class of 1939. The income of the fund is available annually to the student of the third or fourth year class who, in the opinion of the staff of the department of pathology, merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If in any year no student merits the distinction the award will be withheld.

9. *THE BORDEN UNDERGRADUATE RESEARCH AWARD*. The terms of this grant by The Borden Company Foundation, Inc., provide for awards of \$500 during any one calendar year for a period of five years. The award will be made under the following terms and conditions:

1. All persons in the graduating class of the Medical College of Cornell University who, during any year while enrolled in the College, have carried out undergraduate research in the medical field shall be eligible for the Borden Undergraduate Research Award in Medicine. The award shall be presented at the time of his graduation to that eligible person whose research has been determined by the Medical College to be the most meritorious performed by all similarly eligible persons. Originality and thoroughness of research shall be of primary consideration.

2. In the event that the Dean shall find it inappropriate to make the award in any one year, the award may be deferred to another year. Only one award, however, will be made during any one calendar year.

Papers submitted for this prize should be in quadruplicate and must be in the Administration Office not later than three weeks before the end of the term.

SCHOLARSHIPS

1. *THE JOHN METCALFE POLK SCHOLARSHIP*. A gift under the will of William Mecklenburg 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.

3. *MARY F. HALL SCHOLARSHIP*. The income, amounting to about \$180 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 reaward. If during any year the income from the fund is not used as stated above, then it 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 reaward. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the Faculty (or Trustees) may be deemed best.

6. *THE JEREMIAH S. FERGUSON SCHOLARSHIP*. Established in memory of Jeremiah S. Ferguson, who throughout his long connection with the Medical College, of somewhat more than forty years, devoted much effort to helping students with their individual problems and promoting their professional career. The fund amounts to \$5000, the income from which, approximately \$200 a year, is awarded annually by the Committee on Scholarships and Prizes to a student or students in the third and fourth year classes in the Medical College who are in need of financial aid and who by conduct and scholarship have proved worthy investments.

7. *THE CHARLES RUPERT STOCKARD SCHOLARSHIP*. A ten thousand dollar fund was established in 1939 by a friend of the late Charles Rupert Stockard, Professor of Anatomy in the Cornell University Medical College, 1911-39. The interest of this fund is to be awarded either to one student (approximately \$400) or to two students (approximately \$200 each) who have shown promise in the work in the department of anatomy and who are desirous of doing advanced work in this department. The scholarships are to be awarded by the Executive Faculty upon nomination by the head of the department of anatomy.

8. *THE DR. JOHN A. HEIM SCHOLARSHIPS*. Established under the will of John A. Heim of the class of 1905 to provide such number of scholarships in the Medical College as there shall be funds available for that purpose. The awards are to be made to regularly matriculated medical students who are in need of financial assistance, as provided for in the terms of the bequest.

First year students are eligible, provided they meet the standards prescribed.

9. *THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND*. Established in memory of their daughter, Anita Shirley Hyde. The terms of this endowment provide that the income be available annually to meritorious students who have completed one year of the regular medical course and are in need of assistance. The income from this endowment amounts to about \$100 yearly.

10. *THE DR. JACQUES SAPHIER SCHOLARSHIP FUND*. Established in memory of Dr. Jacques Conrad Saphier (Lieutenant, j.g., USNR) of the class of 1940, who was killed in action on August 21, 1942, at Guadalcanal while in the performance of his duty. The income from this fund shall be awarded annually to a meritorious student of the Cornell University Medical College who has completed at least one year of work, who needs its aid, and who, in the opinion of the Faculty merits the recognition for which this scholarship was established.

11. *THE ELISE STRANG L'ESPERANCE SCHOLARSHIP*. This award is maintained by the personal contributions of Dr. Elise Strang

L'Esperance, whose interests in the educational advancements of the Medical College have continued for many years. The value of this scholarship is \$1,000, and the award is to be given annually to the most outstanding woman medical student in the fourth year class in Cornell University Medical College. The selection of the recipient of this scholarship is to be made by the Dean in consultation with persons suggested under the original donation.

12. *THE SAGAN FOUNDATION SCHOLARSHIP.* An annual scholarship of \$500 to be awarded to a student in Cornell University Medical College, to be selected by the College on the basis of scholarship and need, without reference to race, color, sex, or creed. In the event the Foundation should discontinue the award, at least one year's notice shall be given the Medical College. A special blank issued by the Sagan Foundation should be obtained from the Dean's Office by students making application for this scholarship.

13. *RUTH HOLLOHAN SCHOLARSHIP FUND.* This fund was established by the terms of the will of Jessie L. Hollohan in memory of Ruth Hollohan. The income is to be used for scholarships for students in the Medical College, with first consideration to be given to entering students of good scholarship who are in need of financial assistance.

14. *PFIZER SCHOLARSHIP FUND FOR MEDICAL STUDENTS.* This scholarship fund, amounting to \$1,000, has been established by Charles Pfizer & Co., Inc. This fund may be divided among no more than three students to help defray the cost of tuition, books, and living expenses. It is to be awarded to first or second year students.

15. *THE WALLACE D. GARRABRANDT SCHOLARSHIP.* Established by Mabel G. Gormley. This scholarship, amounting to approximately \$200, is to be awarded annually by the Committee on Scholarships to a regularly matriculated medical student of good scholarship who is in need of financial assistance.

BURSARY FOR WOMEN STUDENTS

THE MARIE AND JOHN ZIMMERMAN FUND. A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Assistant Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

LOAN FUNDS

1. *THE 1923 LOAN FUND.* The income from this fund amounts to \$350 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 contributed through different sources including The Kellogg Foundation, The Charles Hayden Foundation, and the Student Book Store is available to students in all classes who are in need of assistance. Every effort is made within the limitations of the financial structure of the institution to help students who by reason of unforeseen circumstances get into money difficulties. A special committee considers each case on its individual merits. A student having indebtedness to the Medical College in other ways than formal loans is ineligible for graduation.

ALPHA OMEGA ALPHA

Alpha Omega Alpha is a nonsecret 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 two 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. Aspects of and indispensable to true scholarship are included 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. A large number of the Faculty are members. The Chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

The members elected from the graduating class of 1953 are the following: Barbara Bates, David A. Blumenstock, Julia L. Freitag, George R. Fuller, William A. Grattan, Robert S. Grayson, Ward O. Griffen, Calvin M. Kunin, Charles W. Pearce, Jack Richard, James Strickler, Clifford H. Urban, Heinz Valtin, Edward A. Wolfson.

SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University at Ithaca in 1886. An active branch of the Cornell Chapter is maintained at the Medical College. Many members of the Faculty and research staff are members of Sigma Xi and share in the activities of the Cornell Chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proved ability to carry on original medical research and on nomination by active members of the Cornell Chapter.

CORNELL UNIVERSITY MEDICAL COLLEGE
ALUMNI ASSOCIATION, INC.

Officers

Irving S. Wright, '26	<i>President</i>
William Barnes, '37	<i>Vice President</i>
Keith O. Guthrie, Jr., '40	<i>Secretary</i>
Henry A. Carr, '35	<i>Treasurer</i>

Directors

Three Year Term: Nelson W. Cornell, '21; Mary Ann Payne, '45.
Two Year Term: Paul Reznikoff, '20; Connie M. Guion, '17.
One Year Term: William H. Cassebaum, '31; Alphonse E. Timpanelli, '36.

Alumni Quarterly

David N. Barrows, '12	<i>Editor</i>
Willis M. Weeden, '19	<i>Associate Editor</i>
Edward F. Stanton, '35	<i>Associate Editor</i>
Miss Ellen R. Phillips	<i>Executive Secretary</i>

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association, and the dues are \$5 a year. The activities of the Association include a quarterly publication, an annual banquet, student and faculty parties, student loan funds, and an employment bureau. The Association maintains an office at 1300 York Avenue.

An annual appeal for funds for the use of the Medical College is made to members of the Association.

Educational Policies and Plan of Instruction

THE MEDICAL COLLEGE is divided into twelve major departments, seven of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, bacteriology and immunology, pathology, pharmacology, and public health and preventive medicine. Five departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

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-three weeks each.

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 desirable, therefore, 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, bacteriology, and psychobiology.

In the second year, the subjects of physiology and bacteriology are completed, and the student takes up work in parasitology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, public health, ophthalmology, radiology, and surgery.

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 year class meets 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.

Description of Courses

ANATOMY

——, Professor of Anatomy.

CHARLES M. BERRY, Associate Professor of Anatomy.

JOHN MacLEOD, Associate Professor of Anatomy.

WILLIAM A. GEOHEGAN, Assistant Professor of Clinical Anatomy.

THEODORE C. GREENE, Assistant Professor of Anatomy.

WILBUR D. HAGAMEN, Assistant Professor of Anatomy.

LAWRENCE W. HANLON, Assistant Professor of Anatomy.

ERNEST W. LAMPE, Assistant Professor of Clinical Anatomy.

JOHN F. SEYBOLT, Assistant Professor of Anatomy.

DAVID ANDERSON, Instructor in Anatomy.

ROBERT L. BEALS, Fellow in Anatomy.

IRENA KOPROWSKA, Research Fellow in Anatomy.

JOHN J. TAYLOR, Assistant in Anatomy.

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 structures of all organs of the human body with the exception of the central nervous system (*see Neuroanatomy*). Emphasis is laid on 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, 180 hours, first and second terms. Required of all first year students.

NEUROANATOMY . . . 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, 84 hours. Required of all first year students during the second term.

GROSS ANATOMY OF THE HUMAN BODY . . . This is taught by means of laboratory exercises and dissections. The required work in-

cludes: (a) dissection of the part; (b) demonstrations, study, and discussion upon dissected and prepared specimens.

Total laboratory hours, 374. First and second terms of the first year. Required of all first year students.

ELECTIVE COURSES. . . Subject to the approval of the department of anatomy, its equipment is available to medical students wishing to pursue advanced work or research in anatomical subjects. Members of the staff will direct the progress of such undertakings. Schedules to fit individual cases will be arranged for a limited number of third and fourth year students who may devote the major part or all of their elective time in this department. Such elective time may be devoted to one of the following: (1) a review of dissection; (2) dissection of a foetus; (3) microscopic anatomy; (4) embryology; (5) special research problems.

COURSES OPEN TO SPECIAL STUDENTS

GROSS ANATOMY. . . A limited number of graduates in medicine will be provided with material for dissection of the human body. Fee, \$50 for a term of ten weeks; or for entire dissection, \$100.

COURSE IN SURGICAL ANATOMY . . . This course consists of an extensive review of surgical anatomy with demonstrations and dissections. It is specially designed for candidates for the American Board of Surgery and is in charge of Dr. Ernest W. Lampe. The fee for the course, which includes matriculation, registration charges, and tuition, is \$200, and the course will be for a period of four weeks. The size of the class is limited to 25 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

COURSE IN CYTOLOGIC DIAGNOSIS OF CANCER . . . This course consists of training in the technique and interpretation of smears prepared from various body fluids, with discussions and laboratory work. It is designed for qualified physicians and laboratory workers. The teaching is done by Dr. George N. Papanicolaou and associates. The fee for the course, including tuition, matriculation, and administration charges, is \$300. One course of three months will be given this year, beginning in March. The size of the classes is limited to 15 persons. Inquiries may be directed to Dr. John F. Seybolt, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

ANATOMICAL RESEARCH . . . Subject to special arrangement with the head of the department.

BACTERIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Bacteriology and Immunology.
EDWARD J. HEHRE, Associate Professor of Bacteriology and Immunology.
JOHN Y. SUGG, Associate Professor of Bacteriology and Immunology.
EDNA SCHNAPER, Instructor in Bacteriology and Immunology.
IRVING ABRAHAMAS, Lecturer in Bacteriology and Immunology.

The course is given in the third term of the first year and in the first term of the second year. Emphasis is placed upon the aspects of microbiology and immunology that are pertinent to an understanding of the infectious diseases.

FIRST YEAR . . . The laboratory work includes a survey of representative morphological groups of pathogenic bacteria, a study of the microbial flora of the upper respiratory and lower intestinal tracts of healthy persons, and experiments on the mechanisms involved in antigen-antibody reactions. The lectures are directed toward the establishment of general concepts, particularly the principles involved in microbial growth, the principles underlying active immunization, and the factors that enter into host-parasite relationships.

Lectures and laboratory: 55 hours.

SECOND YEAR . . . In this term a more intensive study is made of the agents of specific infections, including fungi, spirochetes, rickettsiae, and viruses, as well as bacteria. General concepts introduced in the first term are further developed by applying them to the specific diseases. Laboratory work with material from patients is included, not only to acquaint the student with the technical procedures, but to illustrate the application of fundamental principles to practical methods. The action of chemotherapeutic agents, especially those of microbial origin, are considered.

Lectures, laboratory, and conference: 88 hours.

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

BIOCHEMISTRY

VINCENT DU VIGNEAUD, Professor of Biochemistry.
ROY W. BONSNES, Associate Professor of Biochemistry.
DONALD B. MELVILLE, Associate Professor of Biochemistry.
JULIAN R. RACHELE, Associate Professor of Biochemistry.
HELENA GILDER, Assistant Professor of Biochemistry.
PETER G. CONDLIFFE, Research Associate in Biochemistry.
DOROTHY S. GENGHOF, Research Associate in Biochemistry.
CHARLOTTE RESSLER, Research Associate in Biochemistry.
MARY ELIZABETH WRIGHT, Research Associate in Biochemistry.
STERLING P. TAYLOR, JR., Instructor in Biochemistry.
ROBERT J. BROTHERTON, Assistant in Biochemistry.
H. CLAIRE LAWLER, Assistant in Biochemistry.
MARTHA LUDWIG, Assistant in Biochemistry.
RUTH WOODS, 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 and second terms is devoted to an intensive course in general biochemistry by means of lectures, demonstrations, and conferences. During the third term the instruction is centered largely in the laboratory and the conference room where the knowledge gained in the first two terms is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. 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 AND SECOND TERM . . . Lecture and conference course dealing with the chemistry and intermediary metabolism of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal putrefaction, and feces; the composition of the tissues, blood, milk, and urine; hormones and vitamins; the elements of physical chemistry as applied to biology and medicine, with emphasis on the fundamental properties of electrolytes and colloids.

33 hours, first term.

33 hours, second term.

THIRD TERM . . . Laboratory course with lectures and conferences extending the work of the first two terms.

154 hours, third term.

ELECTIVE COURSES

ADVANCED LABORATORY WORK OR RESEARCH . . . By special arrangement.

COURSES OPEN TO SPECIAL STUDENTS

BIOCHEMISTRY . . . Fee, \$25 a term.

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, Melville, and Rachele.

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.

RESEARCH IN BIOCHEMISTRY . . . By arrangement with the head of the department.

MEDICINE

- DAVID P. BARR, Professor of Medicine.
LLOYD F. CRAVER, Professor of Clinical Medicine.
CLAUDE E. FORKNER, Professor of Clinical Medicine.
LOUIS HAUSMAN, Professor of Clinical Medicine (Neurology).
GEORGE M. LEWIS, Professor of Clinical Medicine (Dermatology).
ASA L. LINCOLN, Professor of Clinical Medicine.
PAUL REZNIKOFF, Professor of Clinical Medicine.
LEWIS D. STEVENSON, Professor of Clinical Medicine (Neurology).
HAROLD G. WOLFF, Professor of Medicine (Neurology).
IRVING S. WRIGHT, Professor of Clinical Medicine.
THOMAS P. ALMY, James Ewing Associate Professor of Neoplastic Diseases (Medicine).
HORACE S. BALDWIN, Associate Professor of Clinical Medicine.
ANTHONY C. CIPOLLARO, Associate Professor of Clinical Medicine (Dermatology).
HENRY S. DUNNING, Associate Professor of Clinical Medicine.
RICHARD H. FREYBERG, Associate Professor of Clinical Medicine.
WILLIAM J. GRACE, Associate Professor of Medicine.
EDWIN T. HAUSER, Associate Professor of Clinical Medicine.
MILTON L. KRAMER, Associate Professor of Clinical Medicine.
MARY H. LOVELESS, Associate Professor of Clinical Medicine (Allergy).
E. HUGH LUCKEY, Associate Professor of Medicine.
WALSH McDERMOTT, Associate Professor of Medicine.
ADE T. MILHORAT, Associate Professor of Medicine in Psychiatry.
CARL MUSCHENHEIM, Associate Professor of Clinical Medicine.
THEODORE W. OPPEL, Associate Professor of Clinical Medicine.
HAROLD E. B. PARDEE, Associate Professor of Clinical Medicine.
GEORGE G. READER, Associate Professor of Medicine.
HENRY B. RICHARDSON, Associate Professor of Clinical Medicine.
SIDNEY ROTHBARD, Associate Professor of Medicine.
EPHRAIM SHORR, Associate Professor of Medicine (Endocrinology).
DONALD J. SIMONS, Associate Professor of Clinical Medicine.
HAROLD J. STEWART, Associate Professor of Medicine.
HENRY J. TAGNON, Associate Professor of Clinical Medicine.
ALPHONSE E. TIMPANELLI, Associate Professor of Clinical Medicine.
EDWARD TOLSTOI, Associate Professor of Clinical Medicine.
RALPH TOMPSETT, Associate Professor of Clinical Medicine.
ROBERT F. WATSON, Associate Professor of Clinical Medicine.
BRUCE P. WEBSTER, Associate Professor of Clinical Medicine.
CHARLES H. WHEELER, Associate Professor of Clinical Medicine.
BYARD WILLIAMS, Associate Professor of Clinical Medicine.
ANDREW J. AKELAITIS, Assistant Professor of Clinical Medicine (Neurology).
SILVIO BAEZ, Assistant Professor of Medicine.
LOUIS BERLIN, Assistant Professor of Clinical Medicine (Neurology).
KEEVE BRODMAN, Assistant Professor of Clinical Medicine.
JACOB BUCKSTEIN, Assistant Professor of Clinical Medicine.
KATHARINE BUTLER, Assistant Professor of Clinical Medicine.
HENRY A. CARR, Assistant Professor of Clinical Medicine.
ANNE C. CARTER, Assistant Professor of Medicine.
AARON D. CHAVES, Assistant Professor of Clinical Medicine.

EUGENE J. COHEN, Assistant Professor of Clinical Medicine.
 FRANK E. CORMIA, Assistant Professor of Clinical Medicine (Dermatology).
 PETER G. DENKER, Assistant Professor of Clinical Medicine (Neurology).
 HENRY D. DIAMOND, Assistant Professor of Clinical Medicine.
 RALPH L. ENGLE, Jr., Assistant Professor of Medicine.
 ALBERT J. ERDMANN, Jr., Assistant Professor of Clinical Medicine.
 AARON FEDER, Assistant Professor of Clinical Medicine.
 WILLIAM T. FOLEY, Assistant Professor of Clinical Medicine.
 CONSTANCE FRIESS, Assistant Professor of Clinical Medicine.
 SIDNEY M. GREENBERG, Assistant Professor of Clinical Medicine.
 SUSAN J. HADLEY, Assistant Professor of Clinical Medicine.
 MILTON HELPERN, Assistant Professor of Clinical Medicine.
 LAWRENCE E. HINKLE, Jr., Assistant Professor of Clinical Medicine.
 ELLIOT HOCHSTEIN, Assistant Professor of Clinical Medicine.
 EVELYN HOLT, Assistant Professor of Clinical Medicine.
 WILLIAM H. KAMMERER, Assistant Professor of Clinical Medicine.
 GEORGE L. KAUER, Assistant Professor of Clinical Medicine.
 B. H. KEAN, Assistant Professor of Clinical Medicine (Tropical Medicine).
 MARGARET KLUMPP, Assistant Professor of Clinical Medicine.
 J. VERNON KNIGHT, Assistant Professor of Medicine.
 HERBERT KOTEEN, Assistant Professor of Clinical Medicine.
 JOHN S. LADUE, Assistant Professor of Clinical Medicine.
 MICHAEL LAKE, Assistant Professor of Clinical Medicine.
 RICHARD E. LEE, Assistant Professor of Clinical Medicine.
 CHARLES A. LEMAISTRE, Assistant Professor of Medicine.
 LEON I. LEVINE, Assistant Professor of Clinical Medicine.
 ALLYN B. LEY, Assistant Professor of Medicine.
 SOL S. LICHTMAN, Assistant Professor of Clinical Medicine.
 MACK LIPKIN, Assistant Professor of Clinical Medicine.
 EDWARD J. LORENZE, III, Assistant Professor of Clinical Medicine (Physical
 Medicine).
 DANIEL S. LUKAS, Assistant Professor of Medicine.
 KIRBY A. MARTIN, Assistant Professor of Clinical Medicine.
 ABRAHAM MAZUR, Assistant Professor of Biochemistry in Medicine.
 RICHARD R. McCORMACK, Assistant Professor of Clinical Medicine.
 ROBERT H. MELCHIONNA, Assistant Professor of Clinical Medicine.
 RALPH S. OVERMAN, Assistant Professor of Biochemistry in Medicine.
 MARY ANN PAYNE, Assistant Professor of Clinical Medicine.
 NORMAN PLUMMER, Assistant Professor of Clinical Medicine.
 JOSEPH E. RALL, Assistant Professor of Medicine.
 J. JAMES SMITH, Assistant Professor of Clinical Medicine.
 ISRAEL STEINBERG, Assistant Professor of Clinical Medicine.
 WILLIAM D. STUBENBORD, Assistant Professor of Clinical Medicine.
 ARTHUR M. SUTHERLAND, Assistant Professor of Clinical Medicine.
 BEATRICE BERLE, Research Associate in Medicine.
 ERWIN SHEPPARD, Research Associate in Medicine.
 SEYMOUR ADVOCATE, Instructor in Medicine.
 ABRAHAM A. ANTOVILLE, Instructor in Medicine.
 SAM C. ATKINSON, Instructor in Medicine.
 CHARLES A. BAILEY, Instructor in Medicine.
 LLOYD T. BARNES, Instructor in Medicine.
 RUTH P. BERKELEY, Instructor in Medicine.
 SAMUEL H. BRETTHWAITE, Instructor in Medicine.
 THOMAS E. BRITTINGHAM, II, Instructor in Medicine.
 VERONICA C. BROWN, Instructor in Medicine.

GRAFTON E. BURKE, Instructor in Medicine.
EDWARD A. BURKHARDT, Instructor in Medicine.
JEFF DAVIS, Instructor in Medicine.
MARION DAVIS, Instructor in Medicine.
MONROE T. DIAMOND, Instructor in Medicine.
CAROLYN H. DIEHL, Instructor in Medicine.
JOHN W. DOUGHERTY, Instructor in Medicine.
MURRAY DWORETZKY, Instructor in Medicine.
ROBERT E. ECKARDT, Instructor in Medicine.
EMIL A. FALK, Instructor in Medicine.
LAWRENCE FARMER, Instructor in Medicine.
ROBERT B. FATH, Instructor in Medicine.
LYMAN A. FULTON, Instructor in Medicine.
JOHN M. GIBBONS, Instructor in Medicine.
FRANCIS J. GILROY, Instructor in Medicine.
OSCAR E. GOLDSTEIN, Instructor in Medicine.
KEITH O. GUTHRIE, JR., Instructor in Medicine.
LOUIS A. HAUSER, Instructor in Medicine.
DAVID S. HAYS, Instructor in Medicine.
LEONARD L. HEIMOFF, Instructor in Medicine.
HERMAN G. HELPERN, Instructor in Medicine.
LAWRENCE B. HOBSON, Instructor in Medicine.
EUGENE L. HORGER, Instructor in Medicine.
ROBERT D. HUEBNER, Instructor in Medicine.
LEIF Y. JACOBSEN, Instructor in Medicine.
SCOTT JOHNSON, Instructor in Medicine.
LAWRENCE I. KAPLAN, Instructor in Medicine.
HENRY B. KIRKLAND, Instructor in Medicine.
GERALD H. KLINGON, Instructor in Medicine.
ROGER F. LAPHAM, Instructor in Medicine.
HAROLD L. LEDER, Instructor in Medicine.
DOROTHEA LEMCKE, Instructor in Medicine.
MILTON D. LEVINE, Instructor in Medicine.
JERROLD S. LIEBERMAN, Instructor in Medicine.
ROBERT M. LINTZ, Instructor in Medicine.
*ROBERT O. LOEBEL, Instructor in Medicine.
A. PARKS McCOMBS, Instructor in Medicine.
ELLEN McDEVITT, Instructor in Medicine.
RAYMOND E. MILLER, Instructor in Medicine.
L. MARY MOENCH, Instructor in Medicine.
WILLIS A. MURPHY, Instructor in Medicine.
WARREN P. NESTLER, Instructor in Medicine.
IRWIN NYDICK, Instructor in Medicine.
MARJORIE B. PATTERSON, Instructor in Medicine.
GEORGE E. PEABODY, Instructor in Medicine.
FRANCIS S. PERRONE, Instructor in Medicine.
R. A. REES PRITCHETT, Instructor in Medicine.
CHARLES H. RESSLER, Instructor in Medicine.
EDGAR A. RILEY, Instructor in Medicine.
JACOB ROBBINS, Instructor in Medicine.
WILLIAM C. ROBBINS, Instructor in Medicine.
PETER ROGATZ, Instructor in Medicine.
JULIUS L. ROGOFF, Instructor in Medicine.
JOSEPH F. SABBATINO, Instructor in Medicine.

*On leave of absence.

THERESA SCANLAN, Instructor in Medicine.
 CHARLES SHEARD, Instructor in Medicine.
 EDWARD M. SHEPARD, Instructor in Medicine.
 EUGENE P. SIMON, Instructor in Medicine.
 THOMAS B. SPENCER, Instructor in Medicine.
 AARON D. SPIELMAN, Instructor in Medicine.
 SUCCJO SUH, Instructor in Medicine.
 KATHARINE W. SWIFT, Instructor in Medicine.
 DOUGLAS P. TORRE, Instructor in Medicine.
 MAURICE TULIN, Instructor in Medicine.
 J. RUSSELL TWISS, Instructor in Medicine.
 MARIAN TYNDALL, Instructor in Medicine.
 FREDERICK E. G. VALERGAKIS, Instructor in Medicine.
 FREDERICK C. WEBER, JR., Instructor in Medicine.
 AARON O. WELLS, Instructor in Medicine.
 CHARLES A. WERNER, Instructor in Medicine.
 ERWIN A. WERNER, Instructor in Medicine.
 HAROLD N. WILLARD, Instructor in Medicine.
 FELIX WROBLEWSKI, Instructor in Medicine.
 SEYMOUR ZUCKER, Instructor in Medicine.
 JORGE ARAUJO, Research Fellow in Medicine.
 CARL A. BERNTSEN, JR., Research Fellow in Medicine.
 RENE-HENRI BOURGAIN, Visiting Fellow in Medicine.
 DOUGLAS J. BUCHAN, Research Fellow in Medicine.
 PHILIPPE V. CARDON, JR., Research Fellow in Medicine.
 ERNEST N. EHRENFELD, Visiting Fellow in Medicine.
 HELEN GOODELL, Research Fellow in Medicine.
 ELAINE D. HENLEY, Research Fellow in Medicine.
 BASIL S. HETZEL, Research Fellow in Medicine.
 MARY E. HOPPER, Research Fellow in Medicine.
 MELVIN HORWITH, Research Fellow in Medicine.
 TAYYAR KUSCU, Research Fellow in Medicine.
 CLAUDE MARIE LAPRADE, Research Fellow in Medicine.
 GEORGE R. LOVELL, Fellow in Medicine.
 ROBERT M. McCUNE, Research Fellow in Medicine.
 AMIL C. MOURA, Visiting Fellow in Medicine.
 LOUISE H. ORMOND, Research Fellow in Medicine.
 ADRIAN M. OSTFELD, Research Fellow in Medicine.
 HELIO PUCCI, Research Fellow in Medicine.
 CARLOS M. RAMIREZ, Research Fellow in Medicine.
 SELMA M. SHULTZ, Research Fellow in Medicine.
 HERMAN STEINBERG, Research Fellow in Medicine.
 CECIL SYMONS, Research Fellow in Medicine.
 HERTHA H. TAUSSKY, Research Fellow in Medicine.
 ALEXANDER TAYLOR, Research Fellow in Medicine.
 VINCENT A. TOSCANI, Research Fellow in Medicine.
 LILA A. WALLIS, Research Fellow in Medicine.
 MARY M. WILBER, Research Fellow in Medicine.
 MARK ZBOROWSKI, Research Fellow of Anthropology in Medicine.
 JEREMIAH A. BARONDESS, Assistant in Medicine.
 FRANK N. BILISOLY, III, Assistant in Medicine.
 WILLIAM N. CHRISTENSON, Assistant in Medicine.
 DENTON S. COX, Assistant in Medicine.
 JEAN H. ABEL CRAMER, Assistant in Medicine.

MARK EISENBUD, Assistant in Medicine.
DuMONT F. ELMENDORF, Jr., Assistant in Medicine.
ESTHER FINCHER, Assistant in Medicine.
DAVID GOEBEL, Assistant in Medicine.
WALDO GREENSPAN, Assistant in Medicine.
LESTON L. HAVENS, Assistant in Medicine.
ARNOLD V. HURTADO, Assistant in Medicine.
THOMAS KILLIP, III, Assistant in Medicine.
PETER W. KINSELLA, Assistant in Medicine.
DAVID D. KLIEWER, Assistant in Medicine.
ERNEST T. LIVINGSTONE, Assistant in Medicine.
STANLEY R. McCAMPBELL, Assistant in Medicine.
JAMES F. McGOVERN, Assistant in Medicine.
DAVID W. MOLANDER, Assistant in Medicine.
PATRICK MULROW, Assistant in Medicine.
LUIGIA NORSA, Assistant in Medicine.
AVRUM B. ORGANICK, Assistant in Medicine.
BRENT M. PARKER, Assistant in Medicine.
JAMES H. PERT, Assistant in Medicine.
NELSON G. RICHARDS, Assistant in Medicine.
DAVID M. ROSEMAN, Assistant in Medicine.
KENNETH ROTH, Assistant in Medicine.
GEORGE A. SIMPSON, Assistant in Medicine.
PETER E. STOKES, Assistant in Medicine.
LAWRENCE SWEENEY, Assistant in Medicine.
JOHN E. ULTMANN, Assistant in Medicine.
CARL WIERUM, Assistant in Medicine.
EUGENE I. ZINS, Assistant in Medicine.
WILLIAM G. C. MUNROE, Lecturer in Medicine (Tuberculosis).
IGNAZ W. OLJENICK, Lecturer in Medicine (Neurology).
ROBERT L. YEAGER, Lecturer in Medicine (Tuberculosis).

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

An introductory course in neurologic diagnostic methods is given under the direction of Dr. Wolff in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three are assigned to an instructor on the neurology service of Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

An introductory required course in clinical pathology is given in the third term of the second year, under the direction of Dr. Kellner. It consists 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 include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical signification of findings is included. In addition, certain allergic phenomena are presented in lecture and demonstration, and their clinical relationship is discussed.

In each of the terms of the third year, one third of the class act as clinical clerks in medicine. Their time is divided equally between the New York Hospital under the supervision of Dr. Barr, Dr. Wolff, and Dr. Grace, and Bellevue Hospital under the direction of Dr. Luckey. The medical wards of the New York Hospital comprise five public pavilions totaling 126 beds. Those at Bellevue have approximately 100 teaching 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 management of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical service and pediatric service. Beds on the fourth floor at the New York Hospital are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. 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 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 tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house 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 frequent clinical conferences which are held throughout the academic year. During the clinical clerkship the students receive further training in the evaluation of signs and symptoms of disease of the nervous system. Two teaching visits a week at the New York Hospital are dedicated to neurological problems. This work supplements that of the second year by placing special emphasis upon etiology and therapeutics in diseases of the nervous system.

The instruction of the senior students is conducted in the outpatient department with the intent of offering experience in general medicine, neurology, dermatology, and other medical specialties. Other departments of the clinic such as physiotherapy and dietotherapy provide demonstrations. Practical work with patients is supplemented by seminars, demonstrations, and conferences and by presentation of subjects by the students.

This course for seniors has been fused with the Medical Comprehensive Care and Teaching Program, description of which will be found below.

Clinical-pathological conferences organized by the department of pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE COURSES

CLINICAL CLERKSHIP AT BELLEVUE HOSPITAL . . . Dr. E. Hugh Luckey and staff. For periods of one month. Maximum registration, eight students. Work will include case assignments, ward rounds, frequent conferences with Dr. Luckey and members of his staff.

ENDOCRINOLOGY AND METABOLISM . . . Dr. Ephraim Shorr and staff. For periods of two months. Maximum registration, two students. The work will consist of assignments to diabetic clinic, endocrine clinic, metabolism ward, and participation in applicable laboratory methods.

INFECTIOUS DISEASES AND CHEMOTHERAPY . . . Dr. Walsh McDermott and Dr. Ralph Tompsett. For periods of one or two months. Maximum registration, two students. Work will include assignments to infectious disease ward for the study of tuberculosis, participation in clinical and research projects under way in this subdepartment.

NEUROLOGY . . . Dr. Harold G. Wolff and staff. For periods of one month or two months. Maximum registration, three students. For the shorter period, the work will include participation in clinical activities, on the neurological outpatient department and ward. For the longer period, it will include also participation in investigative problems.

CARDIOLOGY . . . Dr. Harold J. Stewart and staff. For period of two months. Maximum registration, one student. The work will consist of participation in the cardiac clinic and wards, and the reading of electrocardiograms, and assignments to research problems.

HEMATOLOGY . . . Dr. Paul Reznikoff and staff. For periods of one month or two months. Maximum registration, two students. The work will include participation in clinical activities in the outpatient department, ward, and hematology laboratory, together with possible assignment to investigate problems.

NEUROANATOMY . . . This course given by Dr. Louis Hausman, will cover the development and anatomy of the nervous system and laboratory work on the reconstruction of the nervous system. Each student makes his own model. The anatomical background of the diseases of the nervous system is considered. Hours to be arranged with the instructor.

FORENSIC MEDICINE . . .

(a) *A series of 30 lectures* given by Dr. Milton Helpern. The subject matter is illustrated with material derived from cases investigated by the office of the Chief Medical Examiner of the Borough of Manhattan.

This course covers the following topics: the obligations and rights of physicians; relations of the physician to government 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 application of blood grouping; occupational injuries and diseases.

Tuesday afternoon, 5-6 p.m.

(b) *Practical course.* An opportunity will be given to learn the circumstances surrounding and to observe at first hand the autopsy findings in numerous and varied cases of sudden, unexpected, suspicious, and violent deaths which are continuously being brought to the attention of the Office of the Chief Medical Examiner of the Borough of Manhattan for investigation.

Course to be given at the City Mortuary, 400 East 29th Street.

Applicants should arrange their time with Dr. Helpern.

OTHER ELECTIVES . . .

Other special electives may be arranged through conference with the head of the department.

MEDICAL COMPREHENSIVE CARE AND TEACHING
PROGRAM

The course in comprehensive medicine occupies the major attention of half of the senior class during each of the two semesters. It is designed as a synthesis of the many disciplines to which the medical student has been exposed and as such may be considered a laboratory course in patient management.

This represents a new departure from the previous fourth year curriculum only in that reorganization of fourth year courses in medicine, pediatrics, preventive medicine, and psychiatry into a continuum of 22½ weeks' duration permits a longer and more adequate study of the problems in ambulatory medicine.

Both the Medical and Pediatric Clinics have been designated as Comprehensive Care Clinics in which, through the use of consultants, the diagnosis and treatment of patients is attempted with minimal referral to other clinics. In this exercise senior students play an important role. In addition, each student serves as a family physician to a selected family and sees adult members of the family in the General Medical Clinic and children in the General Pediatric Clinic by appointment. Under appropriate circumstances the student may make supervised house calls on members of his Comprehensive Care family to diagnose and treat illness.

Teaching of preventive medicine is emphasized through the participation of Dr. Harold N. Willard, who represents the department of public health and preventive medicine in this program.

Emotional aspects of disease are stressed through the participation of Dr. Francis Kane of the department of psychiatry in the care of Comprehensive Care patients. In addition, the student carries out the treatment of individual psychiatric patients in the Payne Whitney Psychiatric Clinic under the direction of Dr. Francis Hamilton.

Dr. Eugene E. Clifton of the department of surgery and Dr. Myron Buckman of the department of obstetrics and gynecology provide appropriate consultation services in their specialties to the Comprehensive Care Clinics.

Part-time electives in medical and pediatric subspecialties, psychiatry, and preventive medicine are offered each student under the program in addition to the regular clinic work.

Dr. George G. Reader supervises the program and is assisted by Dr. Lyman Fulton of the department of medicine and the staff of the medical outpatient department and by Dr. Florence Marshall of the department of pediatrics and the staff of the pediatric out-patient department.

OBSTETRICS AND GYNECOLOGY

- R. GORDON DOUGLAS, Professor of Obstetrics and Gynecology.
JOSEPH F. ARTUSIO, JR., Associate Professor of Obstetrics and Gynecology (Anesthesiology).
ROY W. BONSNES, Associate Professor of Biochemistry in Obstetrics and Gynecology.
EDWARD H. DENNEN, Associate Professor of Clinical Obstetrics and Gynecology.
CARL T. JAVERT, Associate Professor of Clinical Obstetrics and Gynecology.
HOWARD S. McCANDLISH, Associate Professor of Clinical Obstetrics and Gynecology.
CHARLES M. McLANE, Associate Professor of Clinical Obstetrics and Gynecology.
JOSEPH N. NATHANSON, Associate Professor of Clinical Obstetrics and Gynecology.
FRANK R. SMITH, Associate Professor of Clinical Obstetrics and Gynecology.
THOMAS L. BALL, Assistant Professor of Clinical Obstetrics and Gynecology.
JUSTIN T. CALLAHAN, Assistant Professor of Clinical Obstetrics and Gynecology.
JOHN T. COLE, Assistant Professor of Clinical Obstetrics and Gynecology.
ROBERT L. CRAIG, Assistant Professor of Clinical Obstetrics and Gynecology.
WILLIAM F. FINN, Assistant Professor of Clinical Obstetrics and Gynecology.
RALPH W. GAUSE, Assistant Professor of Clinical Obstetrics and Gynecology.
RANDOLPH GEPFERT, Assistant Professor of Clinical Obstetrics and Gynecology.
WILLIAM P. GIVEN, Assistant Professor of Clinical Obstetrics and Gynecology.
OSCAR GLASSMAN, Assistant Professor of Clinical Obstetrics and Gynecology.
ARTHUR V. GREELEY, Assistant Professor of Clinical Obstetrics and Gynecology.
DONALD G. JOHNSON, Assistant Professor of Clinical Obstetrics and Gynecology.
ELMER E. KRAMER, Assistant Professor of Clinical Obstetrics and Gynecology.
BENJAMIN E. MARBURY, Assistant Professor of Clinical Obstetrics and Gynecology (Anesthesiology).
CURTIS L. MENDELSON, Assistant Professor of Clinical Obstetrics and Gynecology.
NELSON B. SACKETT, Assistant Professor of Clinical Obstetrics and Gynecology.
PERRY S. BOYNTON, JR., Instructor in Obstetrics and Gynecology.
MYRON I. BUCHMAN, Instructor in Obstetrics and Gynecology.
WILLIAM H. BURKE, Instructor in Obstetrics and Gynecology.
DAVID B. CRAWFORD, JR., Instructor in Obstetrics and Gynecology.
CLIFFORD H. FOX, Instructor in Obstetrics and Gynecology.
ANN P. KENT, Instructor in Obstetrics and Gynecology.
ROBERT LANDESMAN, Instructor in Obstetrics and Gynecology.
VIRGINIA K. PIERCE, Instructor in Obstetrics and Gynecology.
RICHARD A. RUSKIN, Instructor in Obstetrics and Gynecology.
GEORGE SCHAEFER, Instructor in Obstetrics and Gynecology.
ERWIN FLETCHER SMITH, Instructor in Obstetrics and Gynecology.
CHARLES T. SNYDER, Instructor in Obstetrics and Gynecology.
EDWARD F. STANTON, Instructor in Obstetrics and Gynecology.
WILLIAM J. SWEENEY, Instructor in Obstetrics and Gynecology.
STANLEY J. BIRNBAUM, Assistant in Obstetrics and Gynecology.
WILLIAM DAVIS, Assistant in Obstetrics and Gynecology.
THOMAS F. DILLON, Assistant in Obstetrics and Gynecology.

SAMUEL I. ETZ, Assistant in Obstetrics and Gynecology.
 HOLDEN K. FARRAR, Assistant in Obstetrics and Gynecology.
 JAMES GILMORE, Assistant in Obstetrics and Gynecology.
 KAY M. KRETH, Assistant in Obstetrics and Gynecology.
 JOHN R. LANGSTADT, Assistant in Obstetrics and Gynecology.
 WILLIAM D. McLARN, Assistant in Obstetrics and Gynecology.
 KENNETH G. NICKERSON, Assistant in Obstetrics and Gynecology.
 JOHN S. VAN MATER, Assistant in Obstetrics and Gynecology.
 ROBERT M. WAGNER, Assistant in Obstetrics and Gynecology.

The Lying-In Hospital, a division of the New York Hospital, provides 116 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 91 beds. Students are given practical instruction in the outpatient department clinics of both obstetrics and gynecology and in the various special clinics operated for the more intensive study and care of patients with unusual problems. The students are given every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 5,000 admissions to the obstetrical service and about 2,000 to the gynecological service each year.

THIRD YEAR

COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY . . . The content of this 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.

The entire class meets for these sessions on Tuesdays and Saturdays 12-1 p.m. throughout the year. Professors Douglas, Javert, Finn, Johnson, McLane, and staff. Total hours, 66.

COURSE II. PRACTICAL INSTRUCTION . . . This work is given to one-sixth of the class for periods of one-half of a trimester (5½ weeks) on Tuesdays and Thursdays 9-11 a.m. The course deals especially with abdominal palpation, pelvic examination, and manikin exercises. Professors Douglas, Dennen, Kramer, and staff.

COURSE III. SEMINAR . . . Tuesdays and Thursdays 11-12 a.m. Professors Douglas, Given, Johnson, Kramer, and staff.

COURSE IV. PRACTICAL DEMONSTRATION . . . This course comprises instruction in obstetrical and gynecological bacteriology and pathology. A considerable amount of this time is used in the study of pelvic neoplasms. Mondays 9-12 a.m. for one trimester. Professors Douglas, Javert, Finn, Ball, and staff. Total hours, 66 for Courses II, III, and IV.

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 Lying-In Hospital for a period of 7½ weeks during which time he will act as a clinical assistant to the obstetrical and gynecological departments, hospital wards, delivery and operating rooms, and clinics. 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 and 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 observe these patients through diagnostic and therapeutic procedures.

Because of the nature of the service, night and week-end work is required. Minimum hours allotted to the course, 264.

ELECTIVE COURSES

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

Courses can be arranged in the chemical, bacteriological, and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities for clinical investigation in carcinoma, endocrinology, heart disease, X-ray pelvimetry, infertility, and other allied sciences. The various rounds and staff conferences can be attended.

Encouragement is given original work according to the departmental facilities and the student's capabilities and in general will be designed to meet the student's qualifications.

PATHOLOGY

JOHN G. KIDD, Professor of Pathology.
JOHN M. PEARCE, Professor of Pathology.
AARON KELLNER, Associate Professor of Pathology.
LEWIS D. STEVENSON, Associate Professor of Pathology.
JOHN T. ELLIS, Assistant Professor of Pathology.
CHARLES T. OLCOTT, Assistant Professor of Pathology.
GOETZ W. RICHTER, Assistant Professor of Pathology.
F. STEPHEN VOGEL, Assistant Professor of Pathology.
CLAUDE IAN HOOD, Instructor in Pathology.
ARTHUR S. CARLSON, Assistant in Pathology.
ALBERT ERHLICH, Assistant in Pathology.
ROBERT L. HIRSCH, Assistant in Pathology.
NELSON D. HOLMQUIST, Assistant in Pathology.
CHIEN-YUAN KAO, Assistant in Pathology.
JOHN F. SEYBOLT, Assistant in Pathology.
JEAN E. TODD, Assistant in Pathology.

PAUL F. DE GARA, Lecturer in Pathology.
JULES FREUND, Lecturer in Pathology.
MILTON HELPERN, Lecturer in Pathology.
THEODORE ROBERTSON, Lecturer 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 classrooms 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, six, 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 postmortem 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 the 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 terms of the second year. Gross and histological lesions are studied and their pathogenesis and correlation with disturbed function is considered. Lectures and classroom demonstrations are supplemented by studies 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.

GENERAL AND SPECIAL PATHOLOGY . . . Required in the second and third terms of the second year.

Professors Kidd, Pearce, Olcott, and staff. 275 hours.

NEUROPATHOLOGY . . . The pathology of the nervous system is studied, and altered structure and function are correlated. Professor Stevenson. 33 hours.

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 diseases 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 departments. 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.

PEDIATRICS

SAMUEL Z. LEVINE, Professor of Pediatrics.
PHILIP M. STIMSON, Professor of Clinical Pediatrics.
MAY G. WILSON, Professor of Clinical Pediatrics.
ARTHUR F. ANDERSON, Associate Professor of Clinical Pediatrics.
HENRY L. BARNETT, Associate Professor of Pediatrics.
HAROLD W. K. DARGEON, Associate Professor of Clinical Pediatrics.
HENRY D. LAUSON, Associate Professor of Physiology in Pediatrics.
CARL H. SMITH, Associate Professor of Clinical Pediatrics.
HAROLD B. ADAMS, Assistant Professor of Clinical Pediatrics.
LEONA BAUMGARTNER, Assistant Professor of Clinical Pediatrics.
SAMUEL R. BERENBERG, Assistant Professor of Clinical Pediatrics.
CLEMENT B. P. COBB, Assistant Professor of Clinical Pediatrics.
MARGARET DANN, Assistant Professor of Pediatrics.
PAUL F. DE GARA, Assistant Professor of Clinical Pediatrics in Allergy.
ROBERT O. DuBOIS, Assistant Professor of Clinical Pediatrics.
HELENE ELIASBERG, Assistant Professor of Clinical Pediatrics.
NATHAN EPSTEIN, Assistant Professor of Clinical Pediatrics.
LEWIS M. FRAAD, Assistant Professor of Clinical Pediatrics.
JOHN E. FRANKLIN, Assistant Professor of Clinical Pediatrics.
MARTIN J. GLYNN, Assistant Professor of Clinical Pediatrics.
HENRY P. GOLDBERG, Assistant Professor of Clinical Pediatrics.
JAMES Q. HARALAMBIE, Assistant Professor of Clinical Pediatrics.
HELEN HARRINGTON, Assistant Professor of Clinical Pediatrics.
FREDERICK C. HUNT, Assistant Professor of Clinical Pediatrics.
EDMUND N. JOYNER, III, Assistant Professor of Clinical Pediatrics.
HEDWIG KOENIG, Assistant Professor of Clinical Pediatrics.
BARBARA M. KORSCH, Assistant Professor of Pediatrics.
NORMAN KRETCHMER, Assistant Professor of Biochemistry in Pediatrics.
MILTON I. LEVINE, Assistant Professor of Clinical Pediatrics.
MARY E. MERCER, Assistant Professor of Pediatrics in Psychiatry.
CHARLES H. O'REGAN, Assistant Professor of Clinical Pediatrics.
LOUIS E. WEYMULLER, Assistant Professor of Clinical Pediatrics.
MARJORIE A. WHEATLEY, Assistant Professor of Clinical Pediatrics.
ROSE LUBSCHEZ, Research Associate in Pediatrics.
OTTO E. BILLO, Instructor in Pediatrics.
WALTER T. CARPENTER, JR., Instructor in Pediatrics.
MURRAY DAVIDSON, Instructor in Pediatrics.
MARY A. ENGLE, Instructor in Pediatrics.
MARVIN J. GERSH, Instructor in Pediatrics.
HELEN N. HELPER, Instructor in Pediatrics.
PHYLLIS H. KOTEEN, Instructor in Pediatrics.
MARGARET M. KUGLER, Instructor in Pediatrics.
FLORENCE N. MARSHALL, Instructor in Pediatrics.
MARION McILVEEN, Instructor in Pediatrics.
ROWLAND L. MINDLIN, Instructor in Pediatrics.
IRVING SCHULMAN, Instructor in Pediatrics.
BEATRICE S. SLATER, Instructor in Pediatrics.
LOIS M. SMEDLEY, Instructor in Pediatrics.
MARTHA L. SMITH, Instructor in Pediatrics.

MAXWELL STILLERMAN, Instructor in Pediatrics.
DORIS S. WHITNEY, Instructor in Pediatrics.
STANLEY S. ZIPSER, Instructor in Pediatrics.
RICHARD E. ANDO, Fellow in Pediatrics.
JOAN K. BARBER, Fellow in Pediatrics.
LEONARD I. GORDON, Fellow in Pediatrics.
MELVILLE G. MAGIDA, Fellow in Pediatrics.
MADOKA SHIBUYA, Fellow in Pediatrics.
GERTRUDE S. STERN, Fellow in Pediatrics.
BARBARA S. ASHE, Assistant in Pediatrics.
DAVID H. BAKER, Assistant in Pediatrics.
MORRIS GOODMAN, Assistant in Pediatrics.
WAN NGO LIM, Assistant in Pediatrics.
WILLIAM G. MANSON, Assistant in Pediatrics.
THOMAS K. OLIVER, JR., Assistant in Pediatrics.
HELEN McNAMARA, Research Assistant in Pediatrics.
ELIZABETH V. NEW, Research Assistant in Pediatrics.

THIRD YEAR . . . A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children, principles of nutrition with their application to infant feeding, and patients illustrating the peculiarities of disease in early life. Students serve as clinical clerks in pediatrics for a period of five and one-half weeks on the pavilions of the New York Hospital. They are assigned new cases in rotation and gain experience in diagnosis and in the management of sick children requiring hospital residence. They are on duty in rotation at night and week ends. The work of the clinical clerkship includes attendance at cardiac clinics and at departmental conferences. Special rounds, seminars, and tutorial sessions are arranged for the benefit of the clerks. Instruction in contagious diseases is given at the Willard Parker Hospital. Total hours, 165.

FOURTH YEAR . . . The clinical lectures are continued through part of the fourth year. They are closely integrated with the fourth year lectures in internal medicine. Students are assigned to the outpatient department in the mornings where they are given, under supervision, responsibility for the management of ambulatory pediatric patients. They take histories, make physical examinations, and prescribe treatment. A daily therapeutic conference supplements the clinical work. A series of seminars is held under the supervision of senior staff members. An effort is made to bring back to the outpatient department certain patients seen by the students in their third year for follow-up during their fourth year term in pediatrics. Emphasis is placed on the handling of psychosomatic problems and on measures which can be taken to promote proper growth and development. Students are given the opportunity for longitudinal follow-up on individual patients so as to become familiar with normal growth and development of infants and children and the natural history of disease processes. Home visits and

trips to inspect community resources are planned in relation to patient referrals to furnish students with understanding of home and community influences on the patient. Students are assigned to the well-baby clinic. Cooperation with the Department of Obstetrics makes possible contacts with mothers during the ante partum and lying-in period. Total hours, 66.

PHARMACOLOGY

McKEEN CATTELL, Professor of Pharmacology.
HARRY GOLD, Professor of Clinical Pharmacology.
CHARLES J. KENSLER, Associate Professor of Pharmacology.
WALTER F. RIKER, JR., Associate Professor of Pharmacology.
JANET TRAVELL, Associate Professor of Clinical Pharmacology.
FRANK C. FERGUSON, Assistant Professor of Pharmacology.
SOLOMON GARB, Assistant Professor of Clinical Pharmacology.
WALTER MODELL, Assistant Professor of Clinical Pharmacology.
JOSEPH F. REILLY, Assistant Professor of Pharmacology.
NATHANIEL T. KWIT, Instructor in Pharmacology.
GEORGE G. READER, Instructor in Pharmacology (Therapeutics).
SEYMOUR H. RINZLER, Instructor in Pharmacology.
JAY ROBERTS, Research Fellow in Pharmacology.

EXPERIMENTAL PHARMACOLOGY . . . Laboratory work, demonstrations, conferences, and lectures given during the first term 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. In 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 includes toxicology. 121 hours.

APPLIED PHARMACOLOGY . . . This course is given during the third trimester of the second year and is a continuation of the course in experimental pharmacology. It is intended to fill a gap between experimental pharmacology and the clinical use of drugs, and it deals with substances the pharmacological action of which can best be demonstrated on clinical material. This course includes practice in prescription writing. Emphasis is placed on evidence bearing directly on the human subject in health and diseases. 22 hours.

ELECTIVE COURSES

CONFERENCES ON THERAPY . . . Weekly informal conferences on treatment arranged by the departments of pharmacology and medicine in collaboration with other departments. These serve as a forum for the exchange of views and evaluation of evidence concerning drugs and other measures used in the treatment of disease, with open discussion by students, members of the College and Hospital staff, and visitors.

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 enzyme systems, muscle-nerve, autonomic nervous system, and the cardiovascular system.

PHYSIOLOGY AND BIOPHYSICS

ROBERT F. PITTS, Professor of Physiology.
HENRY D. LAUSON, Associate Professor of Physiology.
ROGER L. GREIF, Assistant Professor of Physiology.
RICHARD W. LAWTON, Assistant Professor of Physiology.
JOHN MACLEOD, Assistant Professor of Physiology.
ROY C. SWAN, Assistant Professor of Physiology.
LAWRENCE BERGER, Fellow in Physiology.
PHILIP J. DORMAN, Fellow in Physiology.
GEORGE R. FULLER, Fellow in Physiology.
W. JAMES SULLIVAN, Fellow in Physiology.
MARTHA J. BARRETT, Assistant in Physiology.
ROBERT A. WOLBACH, Assistant in Physiology.

FIRST YEAR . . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of muscle and nerve, gland secretion, digestion, the central nervous system, special senses, and endocrine organs. The laboratory work one full day a week includes experiments on these subjects. 110 hours.

SECOND YEAR . . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of respiration, blood, heart, circulation, kidney, and metabolism. Laboratory exercises one full day a week. 121 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, handbooks, and textbooks, 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 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 head of the department.

PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry.
PHYLLIS GREENACRE, Professor of Clinical Psychiatry.
MARVIN K. OPLER, Visiting Professor of Anthropology (Social Psychiatry).
THOMAS A. C. RENNIE, Professor of Psychiatry (Social Psychiatry).
LEO SROLE, Visiting Professor of Sociology (Social Psychiatry).
CARL A. BINGER, Associate Professor of Clinical Psychiatry.
J. LOUISE DESPERT, Associate Professor of Clinical Psychiatry.
WILLIAM H. DUNN, Associate Professor of Clinical Psychiatry.
GEORGE W. HENRY, Associate Professor of Clinical Psychiatry.
ADE T. MILHORAT, Associate Professor of Medicine in Psychiatry.
JAMES H. WALL, Associate Professor of Clinical Psychiatry.
LIVINGSTON WELCH, Associate Professor of Psychology.
HAROLD G. WOLFF, Associate Professor of Psychiatry.
HELEN DANIELS, Assistant Professor of Clinical Psychiatry.
ALAN W. FRASER, Assistant Professor of Clinical Psychiatry.
FRANCIS J. HAMILTON, Assistant Professor of Clinical Psychiatry.
RICHARD L. HARRIS, Assistant Professor of Clinical Psychiatry.
GERALD R. JAMEISON, Assistant Professor of Clinical Psychiatry.
SEYMOUR G. KLEBANOFF, Assistant Professor of Psychology.
RICHARD N. KOHL, Assistant Professor of Psychiatry.
NORVELLE C. LAMAR, Assistant Professor of Clinical Psychiatry.
ALEXANDER H. LEIGHTON, Assistant Professor of Clinical Psychiatry.
MARY E. MERCER, Assistant Professor of Pediatrics in Psychiatry.
CURTIS T. PROUT, Assistant Professor of Clinical Psychiatry.
FRED V. ROCKWELL, Assistant Professor of Clinical Psychiatry.
MARY J. SHERFEY, Assistant Professor of Clinical Psychiatry.
JOHN H. TRAVIS, Assistant Professor of Clinical Psychiatry.
ARTHUR WEIDER, Assistant Professor of Psychology (Social Psychiatry).
EXIE E. WELSCH, Assistant Professor of Clinical Psychiatry.
HARRY ALPERT, Research Associate in Psychiatry (Social Psychiatry).
ERIC CLEVELAND, Research Associate in Psychiatry.
ANNE MILLMAN, Research Associate of Biochemistry in Psychiatry.
ERIC J. SIMON, Research Associate of Biochemistry in Psychiatry.
EDWARD B. ALLEN, Instructor in Psychiatry.
VALER BARBU, Instructor in Psychiatry.
JULIAN I. BARISH, Instructor in Psychiatry.
SARA A. BONNETT, Instructor in Psychiatry.
ALBERT N. BROWNE-MAYERS, Instructor in Psychiatry.
A. LOUISE BRUSH, Instructor in Psychiatry.
ERIC T. CARLSON, Instructor in Psychiatry.
HOWARD N. COOPER, Instructor in Psychiatry.
JOHN M. COTTON, Instructor in Psychiatry.
ELEANOR CRISSEY, Instructor in Psychiatry.
EDWARD V. EVARTS, Instructor in Psychiatry.
G. RENEE FERGUSON, Instructor in Psychiatry.
M. FREILE-FLEETWOOD, Instructor in Psychiatry.
MARTIN J. GERSON, Instructor in Psychiatry.
STEPHEN GOODYEAR, Instructor in Psychiatry.
DONALD C. GREAVES, Instructor in Psychiatry.

LAWRENCE J. HATTERER, Instructor in Psychiatry.
THOMAS F. HENLEY, Instructor in Psychiatry.
JOHN H. HUGHES, Instructor in Psychiatry.
FRANCIS D. KANE, Instructor in Psychiatry.
WALTER W. KEMP, Instructor in Psychiatry.
PRICE A. KIRKPATRICK, Instructor in Psychiatry.
CHARLES A. KNEHR, Instructor in Psychology.
HELEN P. LANGNER, Instructor in Psychiatry.
JOHN F. McGRATH, Instructor in Psychiatry.
LEON L. RACKOW, Instructor in Psychiatry.
PETER F. REGAN, Instructor in Psychiatry.
ARNOLD A. SCHILLINGER, Instructor in Psychiatry.
MARIE-LOUISE SCHOELLY, Instructor in Psychiatry.
DONALD J. SIMONS, Instructor in Psychiatry.
LEONARD R. STRAUB, Instructor in Psychiatry.
JOSEPH D. SULLIVAN, Instructor in Psychiatry.
HANS SYZ, Instructor in Psychiatry.
MORTON L. WADSWORTH, Instructor in Psychiatry.
NATHANIEL WARNER, Instructor in Psychiatry.
FREDERICK J. WERTZ, Instructor in Psychiatry.
WALTER D. WOODWARD, Instructor in Psychiatry.
HAROLD S. WRIGHT, Instructor in Psychiatry.
IRWIN M. WEINSTOCK, Research Fellow of Biochemistry in Psychiatry.
ALEXANDER CARLEN, Assistant in Psychiatry.
JOHN CARR, Assistant in Psychiatry.
REMO CERRULI, Assistant in Psychiatry.
ARTURO FLORES, Assistant in Psychiatry.
ALVIN H. GOFF, Assistant in Psychiatry.
PETER T. JANULIS, Assistant in Psychiatry.
DOROTHEA M. KERR, Assistant in Psychiatry.
GUY LaROCHELLE, Assistant in Psychiatry.
JAMES F. MASTERSON, JR., Assistant in Psychiatry.
ROBERT PECK, Assistant in Psychiatry.
NATHAN STOCKHAMER, Assistant in Psychology.
DAVID TIMRUD, Assistant in Psychiatry.
JOSEPH S. WIELAWSKI, Assistant in Psychiatry.
ELEANOR LEACOCK, Research Assistant in Psychiatry.

The department of psychiatry offers instruction during each of the four years. The understanding of development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of the New York Hospital. In the psychiatric outpatient department, during the fourth year, the student participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of the New York Hospital and in the outpatient 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: PERSONALITY DEVELOPMENT . . . This course acquaints the student with the development and methods of study of the normal personality. Lectures, seminars, and selected films are utilized in presenting a dynamic orientation to the formation of personality from infancy through senescence. The significance of interpersonal relations is stressed, with particular emphasis on the patient-physician relationship. Psychological, physiological, and sociological factors are considered. Total hours, 22.

SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION . . . The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the outpatient department of the Payne Whitney Psychiatric Clinic and at the Manhattan State Hospital. This course offers practical experience in interviewing and history taking and in the methods of psychiatric examination. Total hours, 33.

THIRD YEAR: CLINICAL PSYCHIATRY . . . The principles of clinical diagnosis are presented, and a systematic review is given of the major reaction types and the dynamics of psychiatric disorders. In the pavilions of the New York Hospital, patients are studied with special emphasis on the importance of psychological factors and their role in disease and health. The intricacies of the doctor-patient relationship are emphasized.

FOURTH YEAR: CLINICAL PSYCHIATRY . . . In this course in the outpatient department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. This course offers an opportunity to learn psychotherapy under close supervision and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presentation, with emphasis on psychiatric treatment and review of literature, are given on Wednesday from 2 to 3 o'clock. Seminars deal with the psychopathology of childhood and the management of related difficulties. Total hours, 99.

ELECTIVE WORK . . . Opportunities for elective work are provided in the out-patient department, in the laboratories of the Payne Whitney Psychiatric Clinic, and in the department of social psychiatry, with emphasis on community psychiatry and epidemiology of mental illness, and at the Westchester Division of the New York Hospital, White Plains, N.Y.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

- WILSON G. SMILLIE, Professor of Public Health and Preventive Medicine.
EMERSON DAY, Associate Professor of Clinical Public Health and Preventive Medicine.
MORTON C. KAHN, Associate Professor of Public Health and Preventive Medicine.
LEONA BAUMGARTNER, Assistant Professor of Public Health and Preventive Medicine.
SAMUEL R. BERENBERG, Assistant Professor of Clinical Public Health and Preventive Medicine.
BEATRICE B. BERLE, Assistant Professor of Clinical Public Health and Preventive Medicine.
IRWIN D. J. BROSS, Assistant Professor of Public Health and Preventive Medicine (Vital Statistics).
AARON D. CHAVES, Assistant Professor of Clinical Public Health and Preventive Medicine.
HERBERT R. EDWARDS, Assistant Professor of Public Health and Preventive Medicine.
FRANKLIN M. FOOTE, Assistant Professor of Public Health and Preventive Medicine.
ANN P. KENT, Assistant Professor of Public Health and Preventive Medicine.
PHILIP OLLSTEIN, Assistant Professor of Clinical Public Health and Preventive Medicine.
WILLIS M. WEEDEN, Assistant Professor of Public Health and Preventive Medicine.
HOMER C. WICK, JR., Assistant Professor of Public Health and Preventive Medicine.
HAROLD N. WILLARD, Assistant Professor of Public Health and Preventive Medicine.
NINE CHOUCROUN, Research Associate in Public Health and Preventive Medicine.
BERNARD D. DAVIS, Research Associate in Public Health and Preventive Medicine.
HUGH R. DEHAVEN, Research Associate in Public Health and Preventive Medicine.
FRANCES H. BOGATKO, Instructor in Public Health and Preventive Medicine.
HERBERT W. COX, Instructor in Public Health and Preventive Medicine (Parasitology).
JAMES H. EWING, Instructor in Public Health and Preventive Medicine.
THOMAS G. RIGNEY, Instructor in Public Health and Preventive Medicine.
WALTER D. WOODWARD, Instructor in Public Health and Preventive Medicine.

SECOND YEAR: PARASITOLOGY . . . This course is assigned to the department of public health and preventive medicine because the major interests of several members of the staff lie in the field of tropical medicine. Furthermore, the preventive aspects of diseases that are produced by parasites are of paramount importance in the control of these infections.

The course is given each Thursday afternoon during the first trimester of the second year. The lectures are given from 2 to 3 and the laboratory work from 3 to 5 p.m.

The important parasites of man are considered: the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Particular emphasis is placed on the clinical aspects of the various diseases that may be produced by the parasites. Prevention and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed carefully.

An abundance of material is used for demonstration purposes. Many of the parasites are studied in living stages. Clinical cases of the various diseases under study are presented from the hospital wards, outpatient clinics, and elsewhere, whenever suitable material is available. Total hours, 33.

SECOND YEAR: PUBLIC HEALTH . . . The course in public health begins in the second term of the second year. It is an introductory course in environmental sanitation, industrial hygiene, vital statistics, and the principles of public health. The students are assigned to this work every Monday afternoon for approximately eleven exercises. Laboratory assignments and field exercises make up the major part of the work. The essential material covered in this term relates to community health protection, including the control of water supplies, sewage disposal, and the sanitation of food. Housing is studied in relation to its various social and hygienic aspects, as well as air-borne infection and the problems of industrial hygiene. Four afternoons are devoted to vital statistics, including a consideration of the methods of statistical analysis and interpretation; three afternoons are devoted to health promotion of the industrial worker. Field visits are made, usually in small groups, to demonstrate industrial sanitation, housing, the New York City Health Department's diagnostic laboratory service, and other pertinent matters. Total hours, 33.

THIRD YEAR: PREVENTIVE MEDICINE . . . Students are divided into small groups of about twelve each. These students are assigned to the department of preventive medicine every Friday all day for a five to six week period. The sections are subdivided into groups of about four students. These groups are then assigned to section work in the various activities of the Kips Bay-Yorkville Health Center. In addition, the students are given a full day's session with the Department of Workmen's Compensation and one half-day session at the Strang Cancer Prevention Clinic at Memorial Hospital. Each Friday at noon throughout the year the whole class assembles for a lecture or discussion. The subject matter of these exercises has, for the most part, been prepared by and is presented by the students themselves. Total lectures and discussions, 33 hours; total section work, 33 hours.

FAMILY HEALTH ADVISERS . . . A student may elect to serve as a "Family Health Adviser." Each of these students is assigned a family from the clientele of the New York Hospital. Under careful guidance,

over a period of one year, he becomes the confidential adviser to the family on health matters. He observes the economic and social status of the family, their housing and nutrition. As opportunity offers, he aids the family in the utilization of the community resources that may be available to meet the family health needs.

COMMUNITY STUDY . . . If the student prefers, he may select a "Community Study" instead of an assignment as Family Health Adviser. This study consists of a report upon a community of his own choice, giving in detail the facilities provided by the community for care of illness and protection of community health. This report includes not only the activities of the community health and welfare departments, but also the hospital facilities, medical, nursing, and dental personnel, and all other phases of community activities that aid in providing adequate medical care.

FOURTH YEAR: In the fourth year, the teaching program for preventive medicine is centered in the Comprehensive Care and Teaching Program. A member of the department of public health and preventive medicine acts as a consultant in the environmental and social aspects of the cases seen by the students and not only has a chance to review cases in seminar periods but also to work in the clinic along with the students as they are actually seeing patients.

In addition to the consultations centered in individual cases, two elective periods of twelve weeks each are offered for specialized study in various fields of preventive medicine. In one of these sessions, limited to six students, field trips are made to acquaint the student with actual programs for prepayment of medical care costs as they exist in New York City. In the other session, students are allowed to choose a field of interest in preventive medicine in which they wish an opportunity to work over a period of twelve weeks. This work may be in such areas as industrial health clinics, school health, statistics, epidemiology, and cancer detection.

ELECTIVE COURSES

PREVENTIVE MEDICINE . . . An elective course is offered to students in the fourth year. Not more than four students will be accepted for any one period. 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 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 with special reference to tropical medicine.

The department has been the recipient of the Marcelle Fleischmann

Memorial Fund for the study of immunologic and allergic phenomena in tropical diseases. Third or fourth year students may associate themselves with one of the several research projects being carried out under this grant.

UNIVERSITY OF HAVANA SUMMER FELLOWSHIPS . . . Six students are selected each year for a two month fellowship in tropical medicine at the University of Havana. This course is conducted under a reciprocal arrangement whereby a young faculty member from Havana comes each year to Cornell for graduate study.

RADIOLOGY

JOHN A. EVANS, Professor of Clinical Radiology.
HAROLD L. TEMPLE, Professor of Clinical Radiology.
SYDNEY WEINTRAUB, Professor of Clinical Radiology.
HARRY W. BURNETT, Associate Professor of Clinical Radiology.
RALPH F. PHILLIPS, Associate Professor of Clinical Radiology.
ROBERT S. SHERMAN, Associate Professor of Clinical Radiology.
ELIZABETH F. FOCHT, Assistant Professor of Radiology (Physics).
GEORGE JASPIN, Assistant Professor of Clinical Radiology.
JOHN L. McCLENAHAN, Assistant Professor of Clinical Radiology.
T. ARTHUR PEARSON, Assistant Professor of Clinical Radiology.
ISRAEL STEINBERG, Assistant Professor of Clinical Radiology (Medicine).
STEPHEN WHITE, Assistant Professor of Clinical Radiology.
FLORENCE CHIEN-HWA CHU, Instructor in Radiology.
HERBERT G. KANTOR, Instructor in Radiology.
ALFRED W. KANY, Instructor in Radiology.
JOHN K. O'NEILL, Instructor in Radiology.
IRVING SCHWARTZ, Instructor in Radiology.
HENRY N. SELBY, Instructor in Radiology.
JOHN J. SNODGRASS, Instructor in Radiology.
RUTH EVELYN SNYDER, Instructor in Radiology.
KENT FORBES WESTLEY, Instructor in Radiology.
WILLIAM DUBILIER, JR., Assistant in Radiology.
JAMES M. KEEGAN, Assistant in Radiology.
NATHAN POKER, Assistant in Radiology.

The teaching of radiology is conducted by didactic lectures, by section work with smaller groups in connection with clinical clerkships, and by presentation of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the fourth year play an important part in supplementing these methods. A large film and lantern slide museum of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the department. Three floors of the L Building are assigned to X-ray work. In addition, equipment for special examinations is located in the Woman's Clinic, urology, psychiatry, and elsewhere in the Medical College and Hospital.

During the first year, in collaboration with the department of anatomy, anatomical structures are visualized by radiographic and roentgenoscopic methods.

The didactic work consists of a series of eleven lectures to the entire second year class. These include the fundamental principles of radiation physics, X-ray diagnosis, and X-ray and radium therapy, with the aim of making the student aware at this stage of the various uses of X-rays. The indications and limitations are stressed.

Section work is conducted in the third year, while the students are

serving as clinical clerks. The departments of medicine, pediatrics, and surgery assign each group receiving instruction from them to the department of radiology for regularly scheduled informal sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately thirty hours.

Twenty lectures on roentgendiagnosis and radiation therapy are given to the fourth year class.

ELECTIVES

FOURTH YEAR . . .

(1) *X-ray Clinical Clerkships*. A limited number of students are accepted to observe, and assist, where possible, in the routine activities of the department. The routine includes film interpretations, fluoroscopy, therapeutic irradiation, and attendance at radiology conferences. Two conferences are held daily (L-611) at which time the more interesting diagnostic and therapeutic problems are discussed. One conference is held from 11:15 a.m. to 12:15 p.m. The second session, from 1 p.m. to 2 p.m., is limited to a review of the current examinations of the gastrointestinal tract.

(2) *Technique of Fluoroscopy*. Two hours. Limited to six students. Arrangements to be made through department head.

(3) *Gastrointestinal Fluoroscopy and Film Interpretation*. One month. Limited to six students at any one time. During the period of the elective, the students will be permitted to perform fluoroscopic examinations under supervision. Arrangements are to be made through the department head.

SURGERY

- FRANK GLENN, Professor of Surgery.
ALEXANDER BRUNDSCHWIG, Professor of Clinical Surgery.
GUILFORD S. DUDLEY, Professor of Clinical Surgery.
WILLIAM F. MacFEE, Professor of Clinical Surgery.
JOHN M. McLEAN, Professor of Clinical Surgery (Ophthalmology)
ARTHUR PALMER, Professor of Clinical Surgery (Otolaryngology).
JOHN M. PEARCE, Professor of Pathology in Surgery.
BRONSON S. RAY, Professor of Clinical Surgery (Neurosurgery).
PRESTON A. WADE, Professor of Clinical Surgery.
PHILIP D. WILSON, Professor of Clinical Surgery (Orthopedics).
FRANK E. ADAIR, Associate Professor of Clinical Surgery.
JOSEPH F. ARTUSIO, JR., Associate Professor of Surgery (Anesthesiology).
WILLIAM A. BARNES, Associate Professor of Clinical Surgery.
JOHN M. BEAL, Associate Professor of Clinical Surgery.
GEORGE E. BINKLEY, Associate Professor of Clinical Surgery.
BRADLEY L. COLEY, Associate Professor of Clinical Surgery.
HERBERT CONWAY, Associate Professor of Clinical Surgery (Plastic Surgery).
WILLIAM A. COOPER, Associate Professor of Clinical Surgery.
NELSON W. CORNELL, Associate Professor of Clinical Surgery.
JOHN W. DRAPER, Associate Professor of Clinical Surgery (Urology).
JOHN H. ECKEL, Associate Professor of Clinical Surgery.
GEORGE F. EGAN, Associate Professor of Clinical Surgery (Dental Surgery).
KRISTIAN G. HANSSON, Associate Professor of Clinical Surgery (Physical Medicine).
CRANSTON W. HOLMAN, Associate Professor of Clinical Surgery.
ERNEST W. LAMPE, Associate Professor of Clinical Surgery.
FREDERICK L. LIEBOLT, Associate Professor of Clinical Surgery (Orthopedics).
VICTOR F. MARSHALL, Associate Professor of Clinical Surgery (Urology).
HAYES E. MARTIN, Associate Professor of Clinical Surgery.
GERVAIS W. McAULIFFE, Associate Professor of Clinical Surgery (Otolaryngology).
ALLISTER M. McLELLAN, Associate Professor of Clinical Surgery (Urology).
JAMES A. MOORE, Associate Professor of Clinical Surgery (Otolaryngology).
S. W. MOORE, Associate Professor of Clinical Surgery.
WILLIAM F. NICKEL, JR., Associate Professor of Clinical Surgery.
GEORGE T. PACK, Associate Professor of Clinical Surgery.
RUSSEL H. PATTERSON, Associate Professor of Clinical Surgery.
RICHMOND STEPHENS, Associate Professor of Clinical Surgery (Orthopedics).
T. CAMPBELL THOMPSON, Associate Professor of Clinical Surgery (Orthopedics).
NORMAN L. TREVES, Associate Professor of Clinical Surgery.
LEWIS C. WAGNER, Associate Professor of Clinical Surgery (Orthopedics).
WILLET F. WHITMORE, JR., Associate Professor of Clinical Surgery (Urology).
IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery (Orthopedics).
STANLEY J. BEHRMAN, Assistant Professor of Clinical Surgery (Dental Surgery).
EUGENE E. CLIFFTON, Assistant Professor of Clinical Surgery.
JOHN R. COBB, Assistant Professor of Clinical Surgery (Orthopedics).
ARTHUR D. CONSOLE, Assistant Professor of Clinical Surgery (Neurosurgery).
WILLIAM COOPER, Assistant Professor of Clinical Surgery (Orthopedics).
MICHAEL R. DEDDISH, Assistant Professor of Clinical Surgery.
JAMES A. DINGWALL, III, Assistant Professor of Clinical Surgery.

HOWARD S. DUNBAR, Assistant Professor of Clinical Surgery (Neurosurgery).
EDWARD A. DUNLAP, Assistant Professor of Clinical Surgery (Ophthalmology).
JOHN T. ELLIS, Assistant Professor of Pathology in Surgery.
HOLLON W. FARR, Assistant Professor of Clinical Surgery.
JOSEPH H. FARROW, Assistant Professor of Clinical Surgery.
GEORGE A. FIEDLER, Assistant Professor of Clinical Surgery (Urology).
EDGAR L. FRAZELL, Assistant Professor of Clinical Surgery.
HAROLD GENVERT, Assistant Professor of Clinical Surgery.
JOHN C. A. GERSTER, Assistant Professor of Clinical Surgery.
HELENA GILDER, Assistant Professor of Surgery (Biochemistry).
DAN M. GORDON, Assistant Professor of Clinical Surgery (Ophthalmology).
NORMAN L. HIGINBOTHAM, Assistant Professor of Clinical Surgery.
GUSTAVUS A. HUMPHREYS, Assistant Professor of Clinical Surgery (Urology).
D. REES JENSEN, Assistant Professor of Clinical Surgery.
JOSEPH T. KAUER, Assistant Professor of Clinical Surgery.
SAMUEL F. KELLEY, Assistant Professor of Clinical Surgery (Otolaryngology).
BERNARD MAISEL, Assistant Professor of Clinical Surgery.
BENJAMIN E. MARBURY, Assistant Professor of Clinical Surgery (Anesthesiology).
FRANK J. MCGOWAN, Assistant Professor of Clinical Surgery.
FREDERICK C. McLELLAN, Assistant Professor of Clinical Surgery (Urology).
GORDON P. McNEER, Assistant Professor of Clinical Surgery.
LAURENCE MISCALL, Assistant Professor of Clinical Surgery.
WARD D. O'SULLIVAN, Assistant Professor of Clinical Surgery.
HERBERT PARSONS, Assistant Professor of Clinical Surgery (Neurosurgery).
ROBERT L. PATTERSON, Assistant Professor of Clinical Surgery (Orthopedics).
J. LAWRENCE POOL, Assistant Professor of Clinical Surgery.
PETER C. RIZZO, Assistant Professor of Clinical Surgery (Orthopedics).
JOHN G. SCHMIDT, Assistant Professor of Clinical Surgery.
STUART S. SNYDER, Assistant Professor of Clinical Surgery (Ophthalmology).
RICHARD B. STARK, Assistant Professor of Clinical Surgery (Plastic Surgery).
JOHN E. SUTTON, Assistant Professor of Clinical Surgery.
FRANCIS P. TWINEM, Assistant Professor of Clinical Surgery (Urology).
F. STEPHEN VOGEL, Assistant Professor of Pathology in Surgery.
WILLIAM L. WATSON, Assistant Professor of Clinical Surgery.
JOHN P. WEST, Assistant Professor of Clinical Surgery.
DOYLE JOSLIN, Research Associate in Surgery (Plastic Surgery).
JACOB APPLEBAUM, Instructor in Surgery.
ARMAND ARSENAULT, Instructor in Surgery.
JOSEPH C. AVELLONE, Instructor in Surgery.
WILLIAM H. AYRES, Instructor in Surgery.
ANNE M. BELCHER, Instructor in Surgery.
FRANCIS A. BENEVENTI, Instructor in Surgery.
LEMUEL BOWDEN, Instructor in Surgery.
JOHN J. BOWE, Instructor in Surgery.
RICHARD J. BRASFIELD, Instructor in Surgery.
CHARLES N. BREED, JR., Instructor in Surgery.
WILLIAM G. CAHAN, Instructor in Surgery.
THOMAS I. CAREY, Instructor in Surgery.
DANIEL CATLIN, Instructor in Surgery.
ROBERT A. CLARK, Instructor in Surgery.
EDWARD C. COATS, Instructor in Surgery.
ELIZABETH F. CONSTANTINE, Instructor in Surgery.
ALEXANDER CONTE, Instructor in Surgery.
CARLTON M. CORNELL, Instructor in Surgery.
WILLIAM W. DANIEL, Instructor in Surgery.

ROBERT D. DEANS, Instructor in Surgery.
J. EDWIN DREW, Instructor in Surgery.
WADE DULEY, Instructor in Surgery.
FRANK W. FARRELL, Instructor in Surgery.
AUSTIN I. FINK, Instructor in Surgery.
EDGAR P. FLEISCHMANN, Instructor in Surgery.
MILTON GABEL, Instructor in Surgery.
THOMAS J. GARRICK, Instructor in Surgery.
JAMES L. GREEN, Instructor in Surgery.
EUGENE J. GUENARD, Instructor in Surgery.
CHARLES S. HARRISON, Instructor in Surgery.
JAMES S. HARRISON, Instructor in Surgery.
CHARLES C. HARROLD, JR., Instructor in Surgery.
DANIEL M. HAYES, Instructor in Surgery.
JAMES M. HOLMAN, Instructor in Surgery.
RUSSELL H. HOOKER, Instructor in Surgery.
SUZANNE A. L. HOWE, Instructor in Surgery.
FRANK J. HYNES, Instructor in Surgery.
EDWARD B. C. KEEFER, Instructor in Surgery.
JAMES T. KELLY, Instructor in Surgery.
JOHN S. LEWIS, Instructor in Surgery.
LUCILE LOSEKE, Instructor in Surgery.
ROY D. McCLURE, JR., Instructor in Surgery.
CHARLES J. McPEAK, Instructor in Surgery.
LEOPOLD MEHLER, Instructor in Surgery.
THEODORE R. MILLER, Instructor in Surgery.
OLIVER S. MOORE, Instructor in Surgery.
GEORGE C. MUELLER, Instructor in Surgery.
JUAN NEGRIN, Instructor in Surgery.
EDWARD W. D. NORTON, Instructor in Surgery.
JOHN B. OGILVIE, Instructor in Surgery.
EARL A. O'NEILL, Instructor in Surgery.
ALBERT J. PAQUIN, Instructor in Surgery.
STUART Q. QUAN, Instructor in Surgery.
ERIC C. RICHARDSON, Instructor in Surgery.
GUY F. ROBBINS, Instructor in Surgery.
ISABEL M. SCHARNAGEL, Instructor in Surgery.
ANDREW SCHILDHAUS, Instructor in Surgery.
MORRIS SCHNITTMAN, Instructor in Surgery.
DAVID S. SPEER, Instructor in Surgery.
ROBERT M. SPELLMAN, Instructor in Surgery.
MAUS W. STEARNS, JR., Instructor in Surgery.
LEE R. STRAUB, Instructor in Surgery.
JOHN F. STRUVE, Instructor in Surgery.
H. RANDALL TOLLEFSEN, Instructor in Surgery.
RICHARD C. TROUTMAN, Instructor in Surgery.
GEORGE K. TWEDDEL, JR., Instructor in Surgery.
JEROME A. URBAN, Instructor in Surgery.
FREDERICK VOMSAAL, Instructor in Surgery.
WILLIS M. WEEDEN, Instructor in Surgery.
WILFRED D. WINGEBACH, Instructor in Surgery.
WILLIAM I. WOLFF, Instructor in Surgery.
ROBERT B. ZUFALL, Instructor in Surgery.
CLAUDE CHOLETTE, Research Fellow in Surgery.
HELEN PSARROU, Research Fellow in Surgery.

WILLIAM R. ARMSTRONG, Assistant in Surgery.
JULIUS J. BABER, Assistant in Surgery.
DAVID BARR, Assistant in Surgery.
JOHN W. BELLEVILLE, Assistant in Surgery.
PAUL W. BRAUNSTEIN, Assistant in Surgery.
DAVID S. BREEN, Assistant in Surgery.
McHENRY S. BREWER, Assistant in Surgery.
MITCHELL BRICE, Assistant in Surgery.
NORMAN S. BUYS, Assistant in Surgery.
ROBERT J. BYERS, Assistant in Surgery.
PAUL CLAPP, Assistant in Surgery.
WILLIAM COOPER, Assistant in Surgery.
GEORGE N. CORNELL, Assistant in Surgery.
WILLIAM CRAVER, Assistant in Surgery.
PETER DINEEN, Assistant in Surgery.
ROBERT L. DOW, Assistant in Surgery.
CHARLES F. DYER, Assistant in Surgery.
DuBOSE EGELSTON, Assistant in Surgery.
RICHARD H. FLANDREAU, Assistant in Surgery.
ALAN S. FREEMOND, Assistant in Surgery.
ANITA H. GOULET, Assistant in Surgery.
JAMES G. GRAY, Assistant in Surgery.
ELLIS GRUBER, Assistant in Surgery.
CHARLES M. HAMILTON, Assistant in Surgery.
ALEXANDER HERSH, Assistant in Surgery.
MALCOLM R. HILL, Assistant in Surgery.
JACK HOLDEN, Assistant in Surgery.
HENRY L. HOOD, Assistant in Surgery.
ALBERT P. ISENHOUR, Assistant in Surgery.
GEORGE JOHNSON, Jr., Assistant in Surgery.
JEAN-CHARLES LAVOIE, Assistant in Surgery.
JEROME LAWRENCE, Assistant in Surgery.
HOWARD I. MARK, Assistant in Surgery.
VALENTINO D. MAZZIA, Assistant in Surgery.
THOMAS A. McGRAW, Assistant in Surgery.
ROBERT J. McKENNA, Assistant in Surgery.
ANN Z. MOYES, Assistant in Surgery.
HAROLD C. MURPHREE, Assistant in Surgery.
J. ALAN NICHOLS, Assistant in Surgery.
EDWARD J. NYGREN, Assistant in Surgery.
GEORGE R. PROUT, Jr., Assistant in Surgery.
S. FRANK REDO, Assistant in Surgery.
WILLEM W. ROOSEN, Assistant in Surgery.
ROBERT I. SCHREIER, Assistant in Surgery.
GEORGE C. SCRIMSHAW, Assistant in Surgery.
ROBERT SPIER, Assistant in Surgery.
BJORN THORBJARNARSON, Assistant in Surgery.
MARJORIE J. TOPKINS, Assistant in Surgery.
HOWARD WAY, Assistant in Surgery.
PHILIP D. WILSON, Jr., Assistant in Surgery.

GENERAL SURGERY

SECOND YEAR . . . During the third term of the second year, two hours a week will be devoted to history taking and examination of surgical patients. Total hours, 22.

THIRD YEAR . . . In the third year, students spend the entire time for one term in the outpatient department, both for general surgery and the surgical specialties. During this time they gain experience in history taking, physical examination, diagnostic work-up, and care of outpatients. Here, the students come in contact with patients exhibiting a wide variety of surgical conditions.

During this term, for four mornings and four afternoon sessions in the diagnostic clinic of general surgery and also in the minor surgery clinic, students work on patients, make differential diagnoses, and formulate treatment in conference with a senior instructor. One lecture each week is devoted to fractures, and, in addition, each student spends one afternoon a week in the fracture clinic. During the week, three conferences with the entire group and a senior instructor are held, at which time selected topics are presented and discussed. A course in operative surgery on animals, designed to emphasize the fundamental principles of surgery, occupies one morning each week.

A surgical clinic is held at the noon hour for students of the third year, throughout the year. A weekly clinic pathological conference is held, attended by both the third and fourth year students. Time, 330 hours.

FOURTH YEAR . . . During the time assigned to surgery in the fourth year, the students spend their entire time on the surgical pavilions as clinical clerks. This allows the opportunity of following each patient to the operating room and also of following specimens in surgical pathology. In conjunction with this, a surgical symposium is held each week, at which time recent advances in surgery are discussed. A conference in surgical pathology is given weekly, in order to correlate all findings in regard to individual patients. One hour each day is devoted to a conference in general surgery or one of the specialties, including neurosurgery, chest surgery, and plastic surgery. Both the third and fourth year classes attend the surgical grand rounds each week. Time, 264 hours.

OPHTHALMOLOGY . . . During the third term of the second year, the entire class receives instruction in microscopy of the eye including the pathology of such important diseases as uveitis, glaucoma, intraocular tumors, tuberculosis, injuries, and sympathetic ophthalmia. Introduction to special diagnosis, techniques, and particularly to use of the ophthalmoscope is given at this time. Total hours, 22.

In the term of the third year assigned to surgery, a series of lectures

and clinical demonstrations is held one afternoon a week in which the commoner eye conditions encountered in the outpatient department and on the wards are covered. At the same time each student spends a limited period of time in the Ophthalmological Clinic.

In the term of the fourth year assigned to surgery, the students are rotated in small groups through the outpatient department for examination, diagnosis, and treatment of patients under supervision. This is supplemented by conferences and ward rounds.

ORTHOPEDIC SURGERY . . . During each trimester in surgery of the third year, there is one lecture a week in orthopedic surgery which serves as an introduction to the clinical work on the orthopedic pavilion. Students work in the orthopedic outpatient clinic in small groups during the entire period of eleven weeks.

In the fourth year a limited number of students serve as clinical clerks on the orthopedic pavilion.

OTOLARYNGOLOGY . . . In the surgical term of the third year, formal clinical lectures are given. The anatomy of the head is reviewed, and instruction in the examination of the ear, nose, and throat is given. Bronchoscopy and rhinoplasty are discussed. Students spend one afternoon each week in the otolaryngological outpatient department and have the opportunity to study cases on the pavilions as well. During this period, special topics are presented to the section by various members of the teaching staff.

Opportunity is offered 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 lectures and clinics during the surgical term of the third year, at which time patients suffering from a wide variety of urological conditions are presented. The teaching is supplemented by experience in the urological wards and outpatient department.

ELECTIVE COURSES . . . Clinical clerkships and elective work may be arranged in ophthalmology, orthopedic surgery, otolaryngology, urology, and neurosurgery as well as in general surgery.

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 Administration Office 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.

FEEES

Matriculation Fee	\$10
Administration Fee	\$ 5

Tuition fees vary depending upon the type of work taken.

A breakage fee may be required.

Table of Required Hours

	First Year	Second Year	Third Year	Fourth Year	Total
ANATOMY:					
GROSS ANAT. OF THE HUMAN BODY	374				
HISTOLOGY AND EMBRYOLOGY	180				
NEUROANATOMY	84				638
BIOCHEMISTRY	220				220
BACTERIOLOGY	55	88			143
PHYSIOLOGY	110	121			231
PATHOLOGY		308			308
PHARMACOLOGY		143			143
MEDICINE:					
PHYSICAL DIAGNOSIS		121			
CLINICAL PATHOLOGY		77			
NEUROLOGY		33			
SPECIALTIES, CLERKSHIP & OPD			297	264	
LECTURES		22	33		847
*MEDICAL COMPREHENSIVE CARE				310	
SURGERY:					
OPHTHALMOLOGY		22			
INTRODUCTORY SURGERY		22			
SPECIALTIES, CLERKSHIP & OPD			297	264	
LECTURES			33		638
OBSTETRICS AND GYNECOLOGY:					
PRACTICAL INSTRUCTION			66	264	
LECTURES			66		396
PEDIATRICS:					
PRACTICAL INSTRUCTION			132	66	
LECTURES			33		231
PSYCHIATRY:					
PSYCHOBIOLOGY	22				
PSYCHIATRY		33	33	66	
LECTURES				33	187
PUBLIC HEALTH:					
PARASITOLOGY		33			
FIELD AND SECTION		22	33		
LECTURES		11	33		132
CONTAGIOUS DISEASES			18		18
RADIOLOGY		11		20	31
ELECTIVE HOURS				(264)	
TOTALS	1045	1067	1074	1287	4473

*The Medical Comprehensive Care Program is a joint project of all clinical departments and the department of public health. In addition to the 310 hours not assigned to any one department, this program embraces the assigned fourth year curricular hours of medicine and pediatrics and part of those of psychiatry.

() Elective time not included in totals.

FIRST YEAR SCHEDULE

1953-54

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Histology	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy
10-11						
11-12						
12-1						
1-2	Biochemistry	Histology	Free	Biochemistry	Biochemistry	
2-3	Anatomy					
3-4				Histology	Histology	
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Neuro-anatomy	Histology	Anatomy	Neuro-anatomy	Library Lectures*	Neuro-anatomy† Histology
10-11						
11-12						
12-1						
1-2	Biochemistry	Anatomy	Free	Biochemistry	Biochemistry	
2-3	Anatomy					
3-4				Anatomy	Anatomy	
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
10-11						
11-12				Bacteriology		
12-1				Psychobiol.		
1-2						
2-3	Bacteriology	Physiology	Free	Bacteriology	Biochemistry	
3-4						
4-5						

*When scheduled.

†Five sessions histology and 6 neuroanatomy.

SECOND YEAR SCHEDULE

1953-54

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday		
9-10	Pharmacology	Physiology	Physiology	Pharmacology	Physiology	Physiology		
10-11			Bacteriology		Pharmacology		Pharmacology	
11-12							Pharmacology	
12-1								
1-2					Bacteriology			
2-3	Bacteriology	Physiology	Free	Parasitology	Bacteriology			
3-4								
4-5								

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1						
1-2						
2-3	Public Health	Physical Diagnosis	Free	Physical Diagnosis	Psychiatry	
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Physical Diag. "A" Neurol. Diag. IV	Pathology	Physical Diag. "B" Neurol. Diag. I	Physical Diag. "A" Neurol. Diag. III	Physical Diag. "B" Neurol. Diag. II	Pathology
10-11						
11-12						
12-1	Appl. Pharm.	Appl. Pharm.	Introductory Medicine	Neurology	Introductory Medicine	
1-2						
2-3	Ophthalmology	Clinical Pathology	Free	Introductory Surgery	Clinical Pathology	
4-5	Clinical Pathology			Radiology	Ophthalmology	

THIRD YEAR SCHEDULE

1953-54

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Medicine (1); Ob.-Gyn., Ped., Psych., Pb. Hl. (2); Surgery (3).					
10-11	Group B: Surgery (1); Medicine (2); Ob.-Gyn., Ped., Psych., Pb. Hl. (3).					
11-12	Group C: Ob.-Gyn., Ped., Psych., Pb.-Hl. (1); Surgery (2); Medicine (3).					
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
1-2						
2-3						
3-4			Free			
4-5	C.P.C.					

DETAILED SCHEDULE - HALF TERM (5½ WEEKS)
PEDIATRICS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10		Pediatrics				
10-11	Ob.-Gyn.	Pediatrics				
11-12		Pediatrics				
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb.-Hl.	Ob.-Gyn.
1-2						
2-3	Pediatrics	Pediatrics	Free	Pediatrics		
3-4						
4-5	C.P.C.					

DETAILED SCHEDULE - HALF TERM (5½ WEEKS)
OBSTETRICS AND GYNECOLOGY, PSYCHIATRY,
PUBLIC HEALTH, CONTAGIOUS DISEASES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10						
10-11	Ob.-Gyn.	Ob.-Gyn.	Contag. Diseases	Ob.-Gyn.	Pb. Hl.	Free
11-12						
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb.-Hl.	Ob.-Gyn.
1-2						
2-3						
3-4		Psychiatry	Free	Psychiatry	Pb. Hl.	
4-5	C.P.C.					

FOURTH YEAR SCHEDULE

1953-54

TWO SEMESTERS (SIX DIVISIONS) 22½ WEEKS EACH
 JUNE 23 to MAY 28

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-1	Section I <i>1st Semester</i> Medical Comprehensive Care			<i>2nd Semester</i> { A Elec. (1); Ob.-Gyn. (2); Surg. (3). B Surg. (1); Elec. (2); Ob.-Gyn. (3). C Ob.-Gyn. (1); Surg. (2); Elec. (3).		
	Section II D Elec. (1); Ob.-Gyn. (2); Surg. (3). E Surg. (1); Elec. (2); Ob.-Gyn. (3). F Ob.-Gyn. (1); Surg. (2); Elec. (3).			Medical Comprehensive Care		
1-2						
2-3			Psychiatry			
3-4						
4-5	C.P.C.		Special Lect.			

DETAILED SCHEDULE
 MEDICAL COMPREHENSIVE CARE

Morning:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Group I { A B	Pediatrics Medicine	Medicine Pediatrics	Pediatrics Medicine	<i>All Groups</i> (9:00-10:00) Lecture (10:00-11:30) Medical Grand Rounds (12:00-1:00) Radiology	Medicine	<i>All Groups</i> Special Conference
Group II { C D	Seminar Sp'ty Elec.	Sp'ty Elec. Seminar	Seminar Medicine S		Sp'ty Elec. Seminar	
Afternoon: Group I { A B	{ Seminar Pediatrics Sp'ty Elec.	Sp'ty Elec. Seminar	<i>All Groups</i> (2:00-3:00) Psychiatry (3:00-4:00) Com. Care Conf (4:00-5:00) Special Lecture	Seminar Sp'ty Elec.	Sp'ty Elec.	{ Seminar Pediatrics Medicine Psychiatry (4:00-5:00) <i>All Groups</i> Pediatric Grand Rounds
Group II { C D		Psychiatry Medicine		Psychiatry Medicine	Psychiatry Medicine	

Groups I and II switch at the end of eleven weeks.

Sloan-Kettering Division of Cornell University Medical College

BY AGREEMENT dated June 16, 1950, between Cornell University, Sloan-Kettering Institute for Cancer Research, Memorial Center for Cancer and Allied Diseases, and the Society of the New York Hospital, a graduate division of Cornell University Medical College was established to be known as the Sloan-Kettering Division of Cornell University Medical College.

While each party to the above agreement continues under control and management of its respective Board of Trustees or Managers, there is established a Coordinating Board of eight members, of which two shall be chosen by each of the parties to this agreement. This Board will act as a clearing house of information and as a coordinator of those functions in which all of the parties to this agreement are interested and will make recommendations to the respective Boards of the parties to the agreement.

The Coordinating Board of the Sloan-Kettering Division of Cornell University Medical College consists at present of the following members:

Representatives of Memorial Center

Reginald G. Coombe

Mrs. Albert D. Lasker

Representatives of Sloan-Kettering Institute

Frank A. Howard

Lewis L. Strauss

Representatives of Cornell University

Arthur H. Dean, Chairman of the Executive Committee of the Board of Trustees

Deane W. Malott, President of the University

Representatives of the Society of the New York Hospital

John Hay Whitney

Henry S. Sturgis

FACULTY

PROFESSORS

OSCAR BODANSKY, *Professor of Biochemistry*. Attending Clinical Biochemist, Memorial Hospital. (A.B. 1921, Ph.D. 1925, Columbia; M.D. 1938, University of Chicago. [1946; 1951])

GEORGE B. BROWN, *Professor of Biochemistry*. (B.S. 1934, Illinois Wesleyan; M.S. 1936, Ph.D. 1938, University of Illinois. [1939; 1951])

JOSEPH H. BURCHENAL, *Professor of Medicine*. Attending Physician, Memorial Hospital. (M.D. 1937, University of Pennsylvania. [1949; 1952])

THOMAS F. GALLAGHER, *Professor of Biochemistry*. (A.B. 1927, Fordham University; Ph.D. 1931, University of Chicago. [1951])

- JAMES J. NICKSON, *Professor of Radiology*. Attending Radiation Therapist, Memorial Hospital. (B.S. 1936, University of Washington; M.D. 1940, Johns Hopkins. [1949; 1951])
- HENRY T. RANDALL, *Professor of Surgery*. Clinical Director and Chief of Surgical Services, Memorial Hospital. (A.B. 1937, Princeton; M.D. 1941, Med.Sc.D. 1950, Columbia. [1950; 1951])
- RULON W. RAWSON, *Professor of Medicine*. Attending Physician, Memorial Hospital. (M.B. 1937, M.D. 1938, Northwestern. [1948; 1951])
- CORNELIUS P. RHOADS, *Professor of Pathology*. Director, Memorial Center for Cancer and Allied Diseases. (A.B. 1920, Bowdoin; M.D. 1924, Harvard. [1941])
- FRED W. STEWART, *Professor of Pathology*. Attending Pathologist, Memorial Hospital; Attending Pathologist, New York Hospital. (A.B. 1916, Ph.D. 1919, Cornell; M.D. 1924, Harvard. [1928; 1949])
- C. CHESTER STOCK, *Professor of Biochemistry*. (B.S. 1932, Rose Polytechnic Institute; Ph.D. 1937, Johns Hopkins University; M.S. 1941, New York University. [1951])
- GEORGE W. WOOLLEY, *Professor of Biology*. (B.S. 1930, Iowa State College; M.S. 1931, Ph.D. 1935, University of Wisconsin. [1951])

ASSOCIATE PROFESSORS

- ARTHUR C. ALLEN, *Associate Professor of Pathology*. Associate Attending Pathologist, Memorial Hospital. (B.S. 1931, M.D. 1936, University of California. [1951])
- HAROLD BEYER, *Associate Professor of Biophysics*. (A.B. 1934, Ph.D. 1943, Columbia University. [1951])
- JOHN J. BIESELE, *Associate Professor of Biology*. (A.B. 1939, Ph.D. 1942, University of Texas. [1950; 1952])
- FRANK W. FOOTE, JR., *Associate Professor of Pathology*. Attending Pathologist, Memorial Hospital; Associate Attending Pathologist, New York Hospital. (A.B. 1931, M.D. 1935, University of Virginia. [1949])
- DAVID A. KARNOFSKY, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (A.B. 1934, University of California; A. M. 1936, M.D. 1940, Stanford. [1949; 1952])
- JOHN S. LAUGHLIN, *Associate Professor of Biophysics*. Attending Physicist, Memorial Hospital. (A.B. 1940, Willamette University; M.S. 1942, Haverford College; Ph.D. 1947, University of Illinois. [1952])
- ALICE E. MOORE, *Associate Professor of Biology*. (A.B. 1930, A.M. 1935, Ohio State University; M.D. 1942, New York University College of Medicine. [1951])
- OLOF H. PEARSON, *Associate Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1934, M.D. 1939, Harvard University. [1949; 1952])
- MARY L. PETERMANN, *Associate Professor of Biochemistry*. (A.B. 1929, Smith College; Ph.D. 1939, University of Wisconsin. [1951])
- FREDERICK S. PHILIPS, *Associate Professor of Pharmacology*. (A.B. 1936, Columbia; Ph.D. 1940, Rochester. [1948; 1951])
- DAVID PRESSMAN, *Associate Professor of Biochemistry*. (B.S. 1937, California Institute of Technology; M.A. 1938, University of California at Los Angeles; Ph.D. 1940, California Institute of Technology. [1951])
- HOWARD L. RICHARDSON, *Associate Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (B.S. 1936, College of Puget Sound; M.A. 1940; M.D. 1940, University of Oregon Medical School. [1952])

ASSISTANT PROFESSORS

- M. EARL BALIS, *Assistant Professor of Biochemistry*. (A.B. 1943, Temple University; M.S. 1947, Ph.D. 1949, University of Pennsylvania. [1952; 1953])
- RALPH K. BARCLAY, *Assistant Professor of Biochemistry*. (B.S. 1938, University of Illinois; Ph.D. 1949, Iowa State College. [1953])

- AARON BENDICH, *Assistant Professor of Biochemistry*. (B.S. 1939, College of the City of New York; Ph.D. 1946, Columbia University. [1952])
- LIEBE F. CAVALIERI, *Assistant Professor of Biochemistry*. (B.S. 1943, M.S. 1944, Ph.D. 1945, University of Pennsylvania. [1952])
- DONALD A. CLARKE, *Assistant Professor of Pharmacology*. (B.S. 1937, Philadelphia College of Pharmacy and Science; M.A. 1946, Ph.D. 1950, Cornell. [1952; 1953])
- PATRICK FITZGERALD, *Assistant Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (B.S. 1936, University of Massachusetts; M.D. 1940, Tufts College Medical School. [1952])
- DAVID K. FUKUSHIMA, *Assistant Professor of Biochemistry*. (A.B. 1939, Whittier College; A.M. 1943, University of California at Los Angeles; Ph.D. 1946, University of Rochester. [1952])
- LEON D. HELLMAN, *Assistant Professor of Medicine*. Clinical Assistant in Medicine, Memorial Hospital. (A.B. 1941, Columbia University; M.D. 1945, Long Island College of Medicine; Med.Sc.D. 1951, Columbia University. [1952])
- RAYMOND W. HOUDE, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1940, New York University; M.D. 1943, New York University College of Medicine. [1950; 1953])
- HENRY J. KOCH, Jr., *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1939, Holy Cross; M.D. 1943, Harvard University. [1950; 1953])
- THEODORE H. KRITCHEVSKY, *Assistant Professor of Biochemistry*. (B.S. 1940, University of Chicago; M.S. 1943, Illinois Institute of Technology; Ph.D. 1949, University of Chicago. [1952; 1953])
- ROBERT C. MELLORS, *Assistant Professor of Biology*. Fellow in Pathology, Memorial Hospital. (A.B. 1937, A.M. 1938, Ph.D. 1940, Western Reserve University; M.D. 1944, Johns Hopkins University. [1952])
- WILLIAM L. MONEY, *Assistant Professor of Biology*. (A.B. 1943, Brown University; Ph.D. 1947, Harvard University. [1949; 1951])
- H. CHRISTINE REILLY, *Assistant Professor of Bacteriology*. (B.S. 1941, New Jersey College for Women; Ph.D. 1946, Rutgers University. [1952])
- PAUL M. ROLL, *Assistant Professor of Biochemistry*. (B.S. 1936, University of Santa Clara; M.A. 1942, Ph.D. 1947, Stanford University. [1952])
- CHESTER M. SOUTHAM, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1941, M.S. 1943, University of Idaho; M.D. 1947, Columbia University. [1951; 1952])
- SOPHIE SPITZ, *Assistant Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (A.B. 1929, M.D. 1932, Vanderbilt University. [1952])
- HELENE W. TOOLAN, *Assistant Professor of Pathology*. (B.S. 1929, University of Chicago; Ph.D. 1946, Cornell University Medical College. [1952])
- JOHN M. WALKER, *Assistant Professor of Surgery*. Assistant Attending Surgeon, Assistant Clinical Director, Memorial Hospital. (Ph.D. 1931, Yale University; M.D. 1936, Columbia University. [1953])
- CHARLES D. WEST, *Assistant Professor of Medicine*. Clinical Assistant in Medicine, Memorial Hospital. (A.B. 1941, M.D. 1944, Ph.D. 1950, University of Utah. [1952; 1953])
- HELEN Q. WOODARD, *Assistant Professor of Biochemistry*. Associate Attending Biochemist, Memorial Hospital. (B.S. 1920, Stetson University; Ph.D. 1925, Columbia University. [1952])

EDUCATIONAL PLAN OF INSTRUCTION

The facilities of the Sloan-Kettering Graduate Division consist of a thirteen story laboratory unit (Sloan-Kettering Institute) in direct con-

nection with two hospitals — Memorial Hospital, a voluntary institution of 280 beds, and the James Ewing Hospital, a unit of the New York City hospital system with 270 beds. The Strang Clinic, another building in the unit, houses the work in preventive medicine in cancer.

The type of training offered in this Division of the Medical College is primarily for candidates who are working toward an advanced degree. The plan of organization for teaching and research affords ample opportunities for direct participation in investigative work on cancer and allied diseases in recognized divisions of the physical and biological sciences but not in any of the clinical fields such as medicine, pediatrics, and surgery. In addition to the conventional disciplines of biochemistry, biophysics, and pathology, a new department has been organized under the heading of "Biology and Growth." This department presents lectures and laboratory work in the field of normal and neoplastic growth, which do not fall in the usual curricular divisions.

BIOCHEMISTRY

OSCAR BODANSKY, Professor of Biochemistry.
 GEORGE W. BROWN, Professor of Biochemistry.
 THOMAS F. GALLAGHER, Professor of Biochemistry.
 MARY L. PETERMANN, Associate Professor of Biochemistry.
 DAVID PRESSMAN, Associate Professor of Biochemistry.
 M. EARL BALIS, Assistant Professor of Biochemistry.
 RALPH K. BARCLAY, Assistant Professor of Biochemistry.
 AARON BENDICH, Assistant Professor of Biochemistry.
 LIEBE F. CAVALIERI, Assistant Professor of Biochemistry.
 DAVID K. FUKUSHIMA, Assistant Professor of Biochemistry.
 THEODORE H. KRITCHEVSKY, Assistant Professor of Biochemistry.
 PAUL M. ROLL, Assistant Professor of Biochemistry.
 HELEN Q. WOODARD, Assistant Professor of Biochemistry.
 C. T. BEER, Research Associate in Biochemistry.
 H. LEON BRADLOW, Research Associate in Biochemistry.
 A. D. KEMP, Research Associate in Biochemistry.
 LEONHARD KORNGOLD, Research Associate in Biochemistry.
 NORMA S. LEEDS, Research Associate in Biochemistry.
 ROBERT S. ROSENFELD, Research Associate in Biochemistry.
 MAX SCHLAMOWITZ, Research Associate in Biochemistry.
 MALCOLM SIEGEL, Research Associate in Biochemistry.
 GILBERT GOLDSTEIN, Research Fellow in Biochemistry.
 ATTALLAH KAPPAS, Research Fellow in Biochemistry.
 IVAN I. SALAMON, Research Fellow in Biochemistry.
 MORTON K. SCHWARTZ, Research Fellow in Biochemistry.
 ALBERT H. SOLOWAY, Research Fellow in Biochemistry.
 HERBERT WEINFELD, Research Fellow in Biochemistry.

ELECTIVE COURSES

Special work may be undertaken in the fields of electrolyte metabolism, enzymology, immunochemistry, protein and nucleoprotein chemistry and metabolism, and the chemistry and metabolism of steroids by arrangement with the appropriate member of the department.

BIOLOGY AND GROWTH

CORNELIUS P. RHOADS, Professor of Pathology.
C. CHESTER STOCK, Professor of Biochemistry.
GEORGE W. WOOLLEY, Professor of Biology.
JOHN J. BIESELE, Associate Professor of Biology.
ALICE E. MOORE, Associate Professor of Biology.
FREDERICK S. PHILIPS, Associate Professor of Pharmacology.
DONALD A. CLARKE, Assistant Professor of Pharmacology.
ROBERT MELLORS, Assistant Professor of Biology.
WILLIAM L. MONEY, Assistant Professor of Biology.
H. CHRISTINE REILLY, Assistant Professor of Bacteriology.
HELENE W. TOOLAN, Assistant Professor of Pathology.
CHARLOTTE FRIEND, Research Associate in Bacteriology.
ROBERT GUTHRIE, Research Associate in Bacteriology.
DORRIS J. HUTCHISON, Research Associate in Bacteriology.
A. R. T. DENUES, Instructor in Biology.
MARGARET HARLAND, Instructor in Anatomy.
AUDREY FJELDE, Research Fellow in Bacteriology.

ELECTIVE COURSES

Investigative facilities are available for studies in pharmacology, microbiology, endocrinology, genetics, and virology as related to the initiation and growth of various types of cancer. Training will be given in the special procedures used in experimental cancer chemotherapy. Arrangements for the desired type of work may be made with the appropriate member of the department.

BIOPHYSICS

HAROLD BEYER, Associate Professor of Biophysics.
JOHN S. LAUGHLIN, Associate Professor of Biophysics.
THEODORE HALL, Instructor in Biophysics.
JACQUES OVADIA, Instructor in Biophysics.
MONES BERMAN, Research Fellow in Biophysics.

ELECTIVE COURSES

Facilities are available for training in radiologic physics (including high energy phenomena), radiobiology, tracer work (stable and radioactive), radioautography, soft X-ray absorption, electronics, and theory and practice of radiation detection. Arrangements may be made with the department head.

MEDICINE

RULON W. RAWSON, Professor of Medicine.
JOSEPH H. BURCHENAL, Professor of Medicine.
DAVID A. KARNOFSKY, Associate Professor of Medicine.
OLOF H. PEARSON, Associate Professor of Medicine.
LEON D. HELLMAN, Assistant Professor of Medicine.
RAYMOND W. HOUDE, Assistant Professor of Medicine.
HENRY J. KOCH, Jr., Assistant Professor of Medicine.

CHESTER M. SOUTHAM, Assistant Professor of Medicine.
 CHARLES D. WEST, Assistant Professor of Medicine.
 ROSE-RUTH ELLISON, Research Associate in Medicine.
 M. LOIS MURPHY, Research Associate in Medicine.
 W. P. LAIRD MYERS, Research Associate in Medicine.
 KATHLEEN E. ROBERTS, Research Associate in Medicine.
 MARTIN SONENBERG, Research Associate in Medicine.
 MARGUERITE SYKES, Research Associate in Medicine.
 GEORGE C. ESCHER, Instructor in Medicine.
 JAMES W. POPPELL, Research Fellow in Medicine.
 DOROTHY WEBER SVED, Research Fellow in Medicine.

ELECTIVE COURSES

Elective courses lasting two to four months are available for fourth year students to work in the sections of clinical investigation. The following courses are offered by the Division of Clinical Investigation:

1. Hematology. A maximum of two students can be accepted.
2. Isotopic technics in medicine. A maximum of two students can be accepted.
3. Metabolic methods in clinical medicine. One student can be accepted.
4. Thyroid physiology. A maximum of two students can be accepted.
5. A series of lectures on the natural history of various types of neoplastic disease and on the medical management of cancer presented by the medical neoplasia and chemotherapy services.

A maximum of four students can be accepted for training in the technics of evaluating chemotherapeutic agents in cancer, through the care of the patients on the wards and in the outpatient department, and by participation in the weekly service conferences.

PATHOLOGY

FRED W. STEWART, Professor of Pathology.
 ARTHUR C. ALLEN, Associate Professor of Pathology.
 FRANK W. FOOTE, JR., Associate Professor of Pathology.
 HOWARD RICHARDSON, Associate Professor of Pathology.
 PATRICK FITZGERALD, Assistant Professor of Pathology.
 SOPHIE SPITZ, Assistant Professor of Pathology.
 STEPHEN S. STERNBERG, Research Associate in Pathology.
 DOUGLAS SUNDERLAND, Research Associate in Pathology.

ELECTIVE COURSES

Fourth year medical students are accepted for elective work in tumor pathology for periods of one month or longer at any time through special arrangement. Such students are assigned to a graduate Fellow in pathology who will serve as tutor. They shall observe and assist at autopsies and examination of gross surgical specimens, and microscopic diagnosis; they shall attend weekly clinicopathologic conferences and departmental conferences. Formal lectures are not offered. A microscope is required.

RADIOLOGY

JAMES J. NICKSON, Professor of Radiology.

ELECTIVE COURSES

1. Lectures in Radiation Therapy. Thursday afternoons, 5-6, January through April.
2. Lectures in Radiological Physics. Wednesday afternoons, 5-6, January through April.
3. Lectures in Radiobiology. Monday afternoons, 5:30-6:30, January through April.

In addition, elective students will be taken for a period of three months for half-time work in laboratory investigations of the effect of ionizing radiations on biological material. This course will be arranged after interview only.

SURGERY

HENRY T. RANDALL, Professor of Surgery.

JOHN M. WALKER, Assistant Professor of Surgery.

ELECTIVE COURSES

Opportunities are available for clinical investigation in problems of metabolism, particularly in water and electrolyte metabolism and renal function as related to surgical problems. There are special facilities for animal studies in experimental surgery and surgical physiology pertaining to problems of major surgery in the cancer field. Arrangements may be made with the department head.

Internship Appointments, Class of 1953

DOCTORS OF MEDICINE, JUNE 10, 1953

Charles Peter Albright	Edward J. Meyer Memorial Hospital, Buffalo, N.Y.
John Symington Aldridge	Bellevue Hospital, New York, N.Y.
Kenneth Collett Archibald	Syracuse Medical Center, Syracuse, N.Y.
Frank Myrick Ash	St. Luke's Hospital, New York, N.Y.
Bennett Barton	Mary Hitchcock Memorial Hospital, Hanover, N.H.
Barbara Bates	New York Hospital, New York, N.Y.
Stephen Lamar Bennett	Bellevue Hospital, New York, N.Y.
Richard Harrod Blank	New York Hospital, New York, N.Y.
David Myron Bloom	New York Hospital, New York, N.Y.
David Albert Blumenstock	Mary Imogene Bassett Hospital, Cooperstown, N.Y.
John Benjamin Branche	Meadowbrook Hospital, Hempstead, N.Y.
Carl Hannibal Brennan, Jr.	Baltimore City Hospital, Baltimore, Md.
Robert Woods Brown	Univ. of Chicago Clinics, Chicago, Ill.
Frederick William Campbell	Genesee Hospital, Rochester, N.Y.
David Ignatius Canavan	Bellevue Hospital, New York, N.Y.
Arthur Chandler, Jr.	University Hospitals, Madison, Wis.
George Tanner Conger	State University of Iowa Hospitals, Iowa City, Iowa
Elizabeth Vasiliki Despina Coryllos	Bellevue Hospital, New York, N.Y.
Earnest Markell Curtis, Jr.	New York Hospital, New York, N.Y.
Richard La Vern Dexter	Bellevue Hospital, New York, N. Y.
John Phillips Dorst	State University of Iowa Hospitals, Iowa City, Iowa
Robert Harrison Edwards	New York Hospital, New York, N.Y.
Harold J. Ellner	Michael Reese Hospital, Chicago, Ill.
Lawrence Mance Ervin	Santa Barbara Cottage Hospital, Santa Barbara, Calif.
Ames Lawrence Filippone, Jr.	New York Hospital, New York, N.Y.
Marvin Irving Fox	Bellevue Hospital, New York, N.Y.
Julia Louise Freitag	Cleveland City Hospital, Cleveland, Ohio
Catherine Bradford Friedrich	Minneapolis General Hospital, Minneapolis, Minn.
George Ripley Fuller Fellowship,	Cornell University Medical College, New York, N.Y.
John Donald Gallagher	Bellevue Hospital, New York, N.Y.
Aaron Ganz	Beth Israel Hospital, New York, N.Y.
Robert DeForest Gens	Strong Memorial Hospital, Rochester, N.Y.
Stanley Erwin Goodman	Strong Memorial Hospital, Rochester, N.Y.
William Anthony Grattan	Mary Imogene Bassett Hospital, Cooperstown, N.Y.
Robert Sherman Grayson	Bellevue Hospital, New York, N.Y.
Richard Stuart Green	University of California Hospital, San Francisco, Calif.
Ward Orin Griffen, Jr.	Bellevue Hospital, New York, N.Y.
Peter Daniel Guggenheim	Meadowbrook Hospital, Hempstead, N.Y.
Charles Lee Heiskell, Jr.	Veterans Administration Hospital, Long Beach, Calif.
William Howard Hover	Methodist Hospital of Brooklyn, Brooklyn, N.Y.
Richard Hills James	Colorado General Hospital, Denver, Colorado

Ira Hartley Kaufman	Bellevue Hospital, New York, N.Y.
William Thomas Kelly	City of Detroit Receiving Hospital, Detroit, Mich.
Calvin Murray Kunin	New York Hospital, New York, N.Y.
James Mendon Ludwig, Jr.	United States Army
Milton Norman Luria	Strong Memorial Hospital, Rochester, N.Y.
Charles Wright MacMillan, Jr.	Kings County Hospital, New York, N.Y.
Peter Raoul Mahrer	Bellevue Hospital, New York, N.Y.
Charles Anthony Malone	Bellevue Hospital, New York, N.Y.
Richard Francis Mattingly	Johns Hopkins Hospital, Baltimore, Maryland
Robert Emmet McCable, Jr.	New York Hospital, New York, N.Y.
John Paul McCreary	Syracuse Medical Center, Syracuse, N.Y.
Allen Walter Mead	Bellevue Hospital, New York, N.Y.
Thomas Spurr Morse	Bellevue Hospital, New York, N.Y.
Jay Richard Olsen	Salt Lake General Hospital, Salt Lake City, Utah
Robert Heyde Orth	New Britain Hospital, New Britain, Conn.
Jack Flemming Ostergaard	Allegheny Hospital, Allegheny, Pa.
Charles Wellington Pearse	New York Hospital, New York, N.Y.
Joseph Edward Plataras	Bellevue Hospital, New York, N.Y.
Richard Fleming Porter	Denver General Hospital, Denver, Colo.
Arnold Henry Randell, Jr.	Methodist Hospital, Brooklyn, N.Y.
James Leon Reichard	George F. Geisinger Memorial Hospital, Danville, Pa.
Jack Richard	New York Hospital, New York, N.Y.
William Kay Riker	Bellevue Hospital, New York, N.Y.
Harlan David Root	University of Minnesota Hospitals, Minneapolis, Minn.
Henry George Schmidt	Bellevue Hospital, New York, N.Y.
Abraham Isaac Schweid	New York Hospital, New York, N.Y.
Richard Tobias Silver	New York Hospital, New York, N.Y.
Gerald Murray Silverman	New York Hospital, New York, N.Y.
Paul Albert Skudder	New York Hospital, New York, N.Y.
David Elliott Sobel	Bellevue Hospital, New York, N.Y.
Charles Albert Stevens, Jr.	Mary Fletcher Hospital, Burlington, Vt.
James Calvin Strickler	New York Hospital, New York, N.Y.
Philip Tager	Bellevue Hospital, New York, N.Y.
Thomas Lee Taylor	Philadelphia General Hospital, Philadelphia, Pa.
Paul Richard Thornfeldt	Good Samaritan Hospital, Portland, Ore.
Kenneth Frederic Tucker	San Francisco Hospital, San Francisco, Calif.
Clifford Hohnholt Urban	New York Hospital, New York, N.Y.
Heinz Valtin	Strong Memorial Hospital, Rochester, N.Y.
Richard Paul Wagner	Rochester General Hospital, Rochester, N.Y.
Richard Wellman	Rochester General Hospital, Rochester, N.Y.
Florence Arlene Wilson	St. Luke's Hospital, Cleveland, Ohio
Edward Albert Wolfson	New York Hospital, New York, N.Y.
Bernard Arthur Yablin	Genesee Hospital, Rochester, N.Y.

Register of Students, 1953-54

FOURTH YEAR

Frederick Ralph Abrams, A.B. 1950, Cornell University	Brooklyn, N.Y.
Ronald Hunt Allen, B.S. 1950, Fordham University	Teaneck, N.J.
Eugene Antelis, A.B. 1950, New York University	New York, N.Y.
NancyCarolynn Arnold, A.B. 1950, Vassar College	Minneapolis, Minn.
James Hartford Arthur, A.B. 1950, Cornell University	Meadville, Pa.
Wilmot Coles Ball, Jr., B.E. 1949, Johns Hopkins University	Ridgewood, N.J.
Russel Mahdi Barakat, B.A. 1948, American University of Beirut; M.S. 1950, Utah State Agricultural College	Tehran, Iran
Douglas Holmes Barns, B.S. 1950, St. Lawrence University	Redwood, N.Y.
Robert Leonard Beals, A.B. 1950, University of Maine	Skowhegan, Maine
Richard Percival Bigelow, A.B., 1951, University of Utah	Provo, Utah
Sumner Theodore Bohee, B.S. 1950, Franklin and Marshall College	Lancaster, Pa.
Harold Thomas Brew, Jr., A.B. 1950, Middlebury College	New York, N.Y.
John Robert Buchanan, A.B. 1950, Amherst College	Fair Haven, N.J.
Harry Edwin Cassel, A.B. 1950, Cornell University	Harrisburg, Pa.
Marion Nielson Chall, A.B. 1950, Barnard College	Brooklyn, N.Y.
Hillary Anthony Chollet, A.B. 1950, Cornell University	New Orleans, La.
Theodore Avery Collier, B.S. 1950, Beloit College	New Canaan, Conn.
Richard Warwick Dame, A.B. 1950, Cornell University	Beechhurst, N.Y.
Harry Warren Daniell, A.B. 1950, Cornell University	Millinocket, Maine
George Dermksian, A.B. 1948, M.A. 1950, Columbia University	New York, N.Y.
Louis Joseph Dougherty, Jr., A.B. 1950, Yale University	Rockville Center, N.Y.
Thomas Allen Edwards, A.B. 1950, Williams College	Scarsdale, N.Y.
David Eisenberg, A.B. 1950, Cornell University	Rochester, N.Y.
Henry Ralph Erle, A.B. 1950, Cornell University	New York, N.Y.
Seneca Lawrence Erman, B.S. 1949, College of the City of New York	West Hempstead, N.Y.
Harrison Hatheway Farley, A.B. 1950, Westminster College	Alton, Illinois
James Charles Ford, B.S. 1950, Iowa State College	Boone, Iowa
Claude Ellis Forkner, Jr., A.B. 1949, Harvard University	New York, N.Y.
Walter Lewis Freedman, A.B. 1950, DePauw University	New York, N.Y.
Richard Theron Furr, A.B. 1950, University of Mississippi	Aberdeen, Miss.
Eugene David Furth, A.B. 1950, Wesleyan University	Oak Ridge, Tenn.
William Henry Gordon, Jr., B.S.E., 1947, University of Michigan; M.A. 1949, Columbia University	Detroit, Mich.
William Charles Herbert Grimm, Jr., A.B. 1950, Syracuse University	Garfield, N.J.
Myron Roberts Grover, Jr., A.B. 1950, Bowdoin College	Scarsdale, N.Y.
John Fowler Gustafson, A.B. 1950, Bowdoin College	Laconia, N.H.
James Charles Hart, B.S. 1950, University of Arizona	Prescott, Ariz.
John Kenneth Herd, B.S. 1950, Rutgers University	Metuchen, N.J.
Alfred Turnbull Holt, A.B. 1951, Dartmouth College	West Hartford, Conn.
Richard James Homrighausen, A.B. 1950, Princeton University	Princeton, N.J.
Kenneth Andrew Hubel, A.B. 1950, University of Rochester	Rye, N.Y.
Edwin Max Jacobs, A.B. 1950, Reed College	San Francisco, Calif.
David Morrison Johnson, Jr., A.B. 1950, Ohio Wesleyan University	Columbus, Ohio

Norman Wolf Keller, A.B. 1950, Colgate University	Tuckahoe, N.Y.
Melvin James King, A.B. 1950, Brown University	Pawtucket, R.I.
John Joseph Knightly, A.B. 1950, St. Peter's College	Jersey City, N.J.
Herbert Andre Kroeze, Jr., B.S. 1950, University of Mississippi	Jackson, Miss.
Richard Kindell Lansche, B.S. 1950, Northwestern University	St. Louis, Mo.
David Hillis Law, IV, A.B. 1950, Cornell University	Glendale, Calif.
Bruce Carl Levy, A.B. 1950, Cornell University	Katonah, N.Y.
Donald Irvan Matern, A.B. 1950, Wesleyan University	Worcester, Mass.
Andrew James McElhinney, Jr., B.S. 1950, Holy Cross College	Pelham, N.Y.
Cornelius Irving Meeker, A.B. 1950, Middlebury College	Plainfield, N.J.
Charles Donald Meier, A.B. 1950, Duke University	Alexandria, Va.
Thomas Harry Meikle, Jr., A.B. 1951, Cornell University	Troy, Pa.
Edward Stephen Mongan, A.B. 1950, Cornell University	Richmond Hill, N.Y.
William Edward Morse, B.S. 1950, University of Michigan	Kew Gardens, N.Y.
James Wilson Mosley, A.B. 1950, University of Texas	Austin, Texas
Philip Robert Nast, A.B. 1950, Washington and Jefferson College	Butler, Pa.
Nicholas Macy Nelson, B.S. 1950, Yale University	Franklin Park, N.J.
Graham Dougald Newton, B.S. 1950, Davidson College	Faison, N.C.
Robert Augustine Newton, A.B. 1950, Amherst College	Newton Center, Mass.
Paul Fordham Nugent, Jr., A.B. 1950, Cornell University	East Hampton, N.Y.
Alan Stimson Paterson, B.S. 1950, Yale University	Rochester, N.Y.
Robert Chester Patten, B.S. 1950, Davidson College	Miami, Fla.
Ann Sullivan Peterson, A.B. 1950, Cornell University	Rhinebeck, N.Y.
John Emerick Peterson, A.B. 1950, Cornell University	Bethesda, Md.
George Flory Pritchard, A.B. 1950, Williams College	Bangor, Pa.
Robert Dean Quinn, A.B. 1950, Stanford University	Stanford, Calif.
Philip Sloan Robbins, A.B. 1948, Cornell University	New York, N.Y.
John Frank Rose, Jr., A.B. 1950, Cornell University	Montclair, N.J.
Michael Sander Rost, A.B. 1950, Colgate University	Orange, N.J.
Robert Chase Runyon, A.B. 1950, Columbia University	Springfield, N.J.
Saul Leonard Sanders, A.B. 1950, Kenyon College	New York, N.Y.
Paul Sherlock, B.S. 1950, Queens College	New York, N.Y.
Robert Ellis Shope, A.B. 1951, Cornell University	Kingston, N.J.
Robert Perry Singer, A.B. 1950, Cornell University	Middletown, N.J.
John Richard Slattery, B.S. 1950, St. Peter's College	New York, N.Y.
Thornton Maxwell Stearns, A.B. 1950, Yale University	East Orange, N.J.
Nathalie Alice Strahan, A.B. 1950, Wellesley College	Maplewood, N.J.
Corbet Harold Turner, A.B. 1950, Cornell University	East St. Louis, Ill.
William Adam Vincent, A.B. 1951, Cornell University	Owego, N.Y.
Warren Whaley Warbasse, A.B. 1950, Princeton University	East Orange, N.J.
James Carl Warenski, B.S. 1950, University of Utah	Salt Lake City, Utah
Ralph Chester Williams, Jr., A.B. 1950, Cornell University	Chevy Chase, Md.

THIRD YEAR

John Vincent Abbott, Jr., A.B. 1950, University of Iowa	Glen Rock, N.J.
Ronald Alfred Arky, A.B. 1951, Cornell University	New Brunswick, N.J.
Thane Asch, B.S. 1951, Columbia University	New York, N.Y.
Robert Coleman Atkins, A.B. 1951, University of Michigan	Dayton, Ohio
William Sinclair Augerson, A.B. 1949, Bowdoin College	Ellenville, N.Y.
Stephen McClintock Ayres, A.B. 1951, Gettysburg College	Westfield, N.J.
David Baum, A.B. 1951, Dartmouth College	Saratoga Springs, N.Y.
Edwin Lawrence Bierman, A.B. 1951, Brooklyn College	New York, N.Y.
Robert Sunderlin Brittain, A.B. 1951, Colgate University	Spencerport, N.Y.

- John Lyman Brown, Jr., A.B. 1952, Cornell University
 Harry Gray Browne, A.B. 1951, Yale University
 Joseph Anthony Buda, A.B. 1951, Columbia University
 Donald John Cameron, A.B. 1951, Amherst College
 John Paul Clayton, A.B. 1951, Middlebury College
 Joseph Patrick Dineen, B.S. 1950, Fordham University
 Kemp Berner Doersch, A.B. 1951, Stanford University
 Richard Irwin Dudley, A.B. 1950, Cornell University;
 M.A. 1951, Emory University
 Maurice Everette Dyer, A.B. 1951, Columbia University
 Chester Monroe Edelman, Jr., A.B. 1951, Columbia University
 Robert Richard Engisch, B.S. 1951, Union College
 Howard Marvin Feinstein, A.B. 1951, Cornell University
 Terence Patrick Fogarty, A.B. 1951, Dartmouth College
 Charles Frederick Frey, A.B. 1951, Amherst College
 Sorrell Newton Glover, A.B. 1952, Cornell University
 Stanley Martin Hanfling, A.B. 1951, Columbia University
 Paul Allen Hansch, A.B. 1948, Pomona College
 Maury Lloyd Hanson, A.B. 1951, Oberlin College
 William Hillis, A.B. 1951, Wesleyan University
 Charles Hoffman, Jr., A.B. 1951, Yale University
 Milton Hollenberg, A.B. 1951, Brooklyn College
 Charles Edward Hollerman, B.S. 1951, Allegheny College
 William Donald Horrigan, A.B. 1952, Dartmouth College
 Gilbert Dolan Huebner, A.B. 1951, Harvard University
 Reginald Harned Isele, A.B. 1951, Princeton University
 Martin George Jacobs, B.S. 1951, Franklin and Marshall College
 Kenneth Myron Jensen, A.B. 1951, Cornell University
 Joseph Eugene Johnston, A.B. 1950, M.S. 1951, B.S. 1952,
 University of Mississippi
 Hiram Kendall, Jr., A.B. 1951, Harvard University
 Kent Gordon Kimball, A.B. 1951, Yale University
 Peter Tamas Knoepfler, B.S. 1950, California Institute of
 Technology; M.A. 1951, Columbia University
 Joseph White Landau, A.B. 1951, Cornell University
 John Beucler Lange, B.S. 1951, Franklin and Marshall College
 Richard Charles Lippincott, A.B. 1951, Williams College
 Richard Rowland Lower, A.B. 1951, Amherst College
 Lester Andrus Ludlow, A.B. 1951, Brigham Young University
 Robert Burnett McGandy, A.B. 1951, Harvard University
 Lowell Gilmore McLellan, B.S. 1951, Rutgers University
 Herman Richard Matern, A.B. 1949, Concordia Seminary
 Gunter Richard Meng, B.S. 1951, Cornell University
 Walter Alexander Murray, Jr., A.B. 1952, Columbia University
 William Alexander Neill, A.B. 1951, Amherst College
 James Franklin Oates, III, A.B. 1951, Princeton University
 Artemis George Pazianos, A.B. 1951, Wellesley College
 John Henry Per-Lee, A.B. 1951, Dartmouth College
 Franklin Hewit Pfeiffenberger, A.B. 1951, Yale University
 John Greenwood Pierik, A.B. 1951, Cornell University
 Guy Downs Plunkett, B.S. 1951, Rutgers University
 James William Preuss, A.B. 1951, Cornell University
 John Vincent Price, B.S. 1951, St. John's College
 Cedric Joseph Priebe, Jr., 1951, Fordham University
 Brian O'Malley Quinn, B.S. 1951, College of the Holy Cross
- Palisade, N.J.
 Los Angeles, Calif.
 Fort Lee, N.J.
 Scarsdale, N.Y.
 Mineola, N.Y.
 New York, N.Y.
 Carmichael, Calif.
 New York, N.Y.
 Weston, Mo.
 New York, N.Y.
 Elizabeth, N.J.
 New York, N.Y.
 Brooklyn, N.Y.
 Scarsdale, N.Y.
 Los Angeles, Calif.
 Jamaica, N.Y.
 New York, N.Y.
 Alexandria, Va.
 Greenwich, Conn.
 Poughkeepsie, N.Y.
 Brooklyn, N.Y.
 Turtle Creek, Pa.
 Waterbury, Conn.
 South Orange, N.J.
 Perth Amboy, N.J.
 Orange, N.J.
 Ithaca, N.Y.
 Oxford, Miss.
 Westerly, R.I.
 Greenwich, Conn.
 Rio de Janeiro, Brazil
 Buffalo, N.Y.
 Teaneck, N.J.
 Guilford, Conn.
 Detroit, Mich.
 Spanish Fork, Utah
 Minneapolis, Minn.
 Woodbridge, N.J.
 Worcester, Mass.
 Ithaca, N.Y.
 Knoxville, Tenn.
 Scarsdale, N.Y.
 Lake Forest, Ill.
 Manchester, Conn.
 Larchmont, N.Y.
 Alton, Ill.
 Providence, R.I.
 Bound Brook, N.J.
 Binghamton, N.Y.
 Belle Harbor, N.Y.
 Jackson Heights, N.Y.
 Rochester, N.Y.

- Robert Edward Rentz, B.S. 1951, Trinity College
 Donald Paul Regula, A.B. 1951, Cornell University
 Roland Whan Richmond, A.B. 1951, Bethany College
 Ronald Stanley Romig, B.S. 1951, Albright College
 John Ross, Jr., A.B. 1951, Dartmouth College
 Leslie Eugene Rudolf, Jr., B.S. 1951, Union College
 Steven Schenker, A.B. 1951, Cornell University
 Miles Harold Sigler, A.B. 1951, University of Rochester
 John Harrison Sipple, Jr., A.B. 1952, Cornell University
 Herbert Jarvis Sorensen, A.B. 1951, Dartmouth College
 Frank George Standaert, A.B. 1951, Harvard University
 Paul Stucki, Jr., A.B. 1951, Hamilton College
 John Bernard Sullivan, B.S. 1951, Manhattan College
 Frederick Gregg Thompson, III, A.B. 1951, Yale University
 William Richard Thompson, A.B. 1951, University of Maine
 Forrest Travis Tutor, B.S. 1953, University of Mississippi
 Wolodymyr Tyschenko, B.S. 1952, Columbia University
 William Webb Van Stone, A.B. 1951, Swarthmore College
 Herbert Getty Vaughan, Jr., B.S. 1951, McGill University
 Frank James Veith, A.B. 1952, Cornell University
 Jane Harrison Walker, A.B. 1951, Byrn Mawr College
 Willard Travell Weeks, A.B. 1951, Amherst College
 Morton Raymond Weinstein, A.B. 1951, Cornell University
 David Sanborn Wilcox, A.B. 1951, Williams College
 Edward Percy Williams, A.B. 1951, Bowdoin College
 West Hartford, Conn.
 Westwood, N.J.
 Nutley, N.J.
 Reading, Pa.
 Bronxville, N.Y.
 Pelham, N.Y.
 New York, N.Y.
 Buffalo, N.Y.
 Lakewood, Ohio
 Summit, N.J.
 Paterson, N.J.
 West New York, N.Y.
 Long Island City, N.Y.
 St. Joseph, Mo.
 Livermore Falls, Me.
 Randolph, Miss.
 New York, N.Y.
 Denver, Colo.
 Pelham, N.Y.
 Scarsdale, N.Y.
 New York, N.Y.
 Brooklyn, N.Y.
 Brooklyn, N.Y.
 Hartford, Conn.
 Linneus, Maine

SECOND YEAR

- Robert Richard Abel, A.B. 1952, Princeton University
 Donald Elliott Allen, B.S. 1952, Ohio State University
 Richard Allen Antell, A.B. 1952, Cornell University
 William Henry Austin, A.B. 1952, Bowdoin College
 Archibald Hildreth Beard, Jr., A.B. 1952, Williams College
 Charles Henry Beckmann, B.S. 1952,
 Massachusetts Institute of Technology
 Elliott Ellias Blinderman, B.S. 1952,
 College of the City of New York
 Dana Charles Brooks, B.E.E. 1949, Cornell University
 Bertram S. Brown, B.S. 1952, Brooklyn College
 Harry Martin Butler, Jr. A.B. 1952, Denison University
 Clarence Elton Cahow, Jr., B.S. 1952, Davidson College
 Paul Daniel Carter, B.S. 1952, Wheaton College
 Philip Kenneth Carter, Jr., A.B. 1952, Wheaton College
 Jay Norman Cohn, B.S. 1952, Union College
 Thomas William Cook, A.B. 1952, Princeton University
 William Charles Cooper, B.S. 1953, Franklin & Marshall College
 Charles Eugene Davis, B.S. 1952, Arizona State College
 Lee Washington Davis, A.B. 1952, Amherst College
 John Whitlow Delano, B.S. 1952, Rutgers University
 Harvey Bruce Denson, A.B. 1953, Cornell University
 Herbert Alban Dietzel, A.B. 1952, Colgate University
 Ronald Joseph Dorris, A.B. 1952, Harvard University
 John Wilson Espy, B.S. 1953, Franklin & Marshall College
 Robert Slora Fackler, A.B. 1952, University of Rochester
 Elizabeth, N.J.
 Columbus, Ohio
 New York, N.Y.
 Cape Elizabeth, Maine
 Wayzata, Minn.
 St. Albans, N.Y.
 Brooklyn, N.Y.
 Orlando, Florida
 Brooklyn, N.Y.
 Newark, Ohio
 Fort Pierce, Florida
 Plainfield, N.J.
 Plainfield, N.J.
 Schenectady, N.Y.
 Westfield, N.J.
 Erie, Pa.
 Miami, Arizona
 Summit, N.J.
 Mountainside, N.J.
 Hackensack, N.J.
 Lakewood, N.J.
 New York, N.Y.
 Brookville, Pa.
 Oak Park, Ill.

- William Rush Fackler, A.B. 1952, University of Rochester
 Donald Peter Feeney, B.S. 1952, College of the Holy Cross
 Frank Bartley Flood, B.S. 1952, Manhattan College
 Rulon Newell Ford, B.S. 1952, University of Utah
 John Christian Frank, B.S. 1952, University of Arizona
 Ivan B. Gendzel, A.B. 1952, Cornell University
 Sidney Goldstein, A.B. 1952, Cornell University
 Jack Goodman, A.B. 1952, American International College
 Joseph Grayzel, A.B. 1952, Cornell University
 David Bruce Hayt, A.B. 1952, Cornell University
 Warren Herbert Higgins, Jr., A.B. 1952, Yale University
 Robert James Hubsmith, A.B. 1952, Cornell University
 David McClure Iszard, A.B. 1952, Bowdoin College
 Jerome Lee Jacobs, B.S. 1952, Queens College
 Ramon Rafael Joseph, B.S. 1952, Manhattan College
 Albert Zaven Kapikian, B.S. 1952, Queens College
 James Sanford Ketchum, A.B. 1952, Columbia University
 Donaldson Wright Kingsley, Jr., A.B. 1952, Cornell University
 Stanley Joshua Landau, A.B. 1953, Cornell University
 Arthur Maurice Levy, A.B. 1952, Harvard University
 David Beekley Lyon, A.B. 1952, University of Mississippi
 Sherburne Merrill Macfarlan, A.B. 1952, Lafayette College
 Donald Fred Mahnke, B.S. 1952, University of Wyoming
 Edward Joseph Margulies, B.S. 1952, Massachusetts Institute
 of Technology
 James Hamilton Mason, A.B. 1952, DePauw University
 Richard Key Mead, A.B. 1952, Haverford College
 Mitchell Mills, A.B. 1952, Princeton University
 Aubrey Stinson Miree, III, B.S. 1952, Davidson College
 Mildred Downs Moore, A.B. 1950, Barnard College; M.A. 1952,
 Mount Holyoke College
 Robert Roland Morgan, B.S. 1952, St. John's College
 William Alfred Morgan, Jr., A.B. 1952, Cornell University
 Burton Albert Nault, A.B. 1952, Bowdoin College
 Joan Nesmith, A.B. 1952, Cornell University
 Mary Alice Newhall, A.B. 1952, Cornell University
 Joseph Oren, A.B. 1953, Cornell University
 Carl Black Pollock, Jr., A.B. 1952, Cornell University
 John Henry Prunier, A.B. 1952, Colgate University
 Albin Walter Rauch, Jr., A.B. 1952, Princeton University
 William Mitchell Reid, Jr., A.B. 1952, New York University
 Donald Jeffrey Reis, A.B. 1953, Cornell University
 Nancy Bernadine Ripley, A.B. 1951, Cornell University
 Abdolhossein Ebtehaj Samiy, B.A. 1950, Stanford University
 James Richard Sartorius, B.S. 1952, Kansas State College
 Stuart Norman Scherr, A.B. 1952, Oberlin College
 Paul Schlein, A.B. 1952, Cornell University
 David Schottenfeld, A.B. 1952, Hamilton College
 George Charles Schussler, B.S. 1952, City College of New York
 Eugene Joseph Segre, A.B. 1953, Cornell University
 Anne Margaret Shuttleworth, Cornell University
 John Edward Sinning, Jr., A.B. 1952, Cornell University
 Frederic Warren Smith, B.S. 1947, Kansas State College
 Robert Hayes Stackpole, A.B. 1952, Amherst College
 Oak Park, Ill.
 Brooklyn, N.Y.
 Forest Hills, N.Y.
 Farmington, Utah
 Phoenix, Ariz.
 New York, N.Y.
 Utica, N.Y.
 Springfield, Mass.
 Brooklyn, N.Y.
 Great Neck, N.Y.
 Honolulu, T.H.
 Passaic, N.J.
 Elmira, N.Y.
 New York, N.Y.
 San Juan, P.R.
 Flushing, N.Y.
 New York, N.Y.
 Hastings, Nebr.
 Cedarhurst, N.Y.
 Saranac Lake, N.Y.
 University, Miss.
 Hawthorne, N.J.
 Keeline, Wyoming
 Brooklyn, N.Y.
 Evanston, Ill.
 Scarsdale, N.Y.
 Washington, D.C.
 Birmingham, Ala.
 Chatham, N.J.
 Flushing, N.Y.
 Claymont, Dela.
 Exeter, N.H.
 Garden City, N.Y.
 Ithaca, N.Y.
 Kew Gardens Hills, N.Y.
 Tarentum, Pa.
 Elmira, N.Y.
 South Orange, N.J.
 Waterbury, Conn.
 New York, N.Y.
 Staten Island, N.Y.
 Rasht, Iran
 Summit, N.J.
 New Rochelle, N.Y.
 Forest Hills, N.Y.
 Ridgewood, N.Y.
 New York, N.Y.
 Forest Hills, N.Y.
 Detroit, Mich.
 Marshalltown, Iowa
 DeLand, Florida
 Montclair, N.J.

Peter Maxwell Tillotson, B.S. 1952, University of Utah	Sacramento, Calif.
Richard David Wagoner, A.B. 1952, Carleton College	Rochester, Minn.
Abraham Francis Ward, B.S. 1952, Manhattan College	Brooklyn, N.Y.
Richard Walter Weiskopf, A.B. 1952, Harvard University	New Rochelle, N.Y.
Robert Emmet Whalen, A.B. 1952, College of the Holy Cross	White Plains, N.Y.
Donald Richter Wieche, A.B. 1953, Miami University	Hamilton, Ohio
John Wynia Winkert, B.S. 1951, Polytechnic Institute of Brooklyn	Brooklyn, N.Y.
John Phillips Young, A.B. 1953, Cornell University	Rockville Centre, N.Y.

FIRST YEAR

Robert Francis Barreras, A.B. 1953, Columbia University	Forest Hills, N.Y.
James William Beattie, A.B. 1953, Bowdoin College	Belmont, Mass.
Robert Howard Bierman, A.B. 1953, Amherst College	Summit, N.J.
Raymond McKendree Biggs, A.B. 1953, Bowdoin College	South Pomfret, Vt.
William Chester Black, A.B. 1953, Brown University	Rutherford, N.J.
Bruce David Boselli, Cornell University	Fanwood, N.J.
Volker Brandt, A.B. 1953, Upsala College	Glen Ridge, N.J.
Roger Charles Breslau, A.B. 1953, Columbia University	New York, N.Y.
Hubert Sutton Bush, Jr., A.B. 1953, Dartmouth College	Kew Gardens, N.Y.
Blake Cady, A.B. 1953, Amherst College	Alexandria, Va.
Wallace Gibson Campbell, Jr., A.B. 1953, Harvard University	Savannah, Ga.
Helen Elizabeth Carter, A.B. 1953, Wellesley College	Scarsdale, N.Y.
John Wallace Casper, A.B. 1950, Brigham Young University	Rigby, Idaho
Ronald August Chez, A.B. 1953, Johns Hopkins	Beverly Hills, Calif.
Rosalie Mary Corigliano, B.S. 1953, Queens College	St. Albans, N.Y.
William Joseph Costello, A.B. 1953, Holy Cross College	Bronxville, N.Y.
Gaspar Garcia de Paredes, Jr., A.B. 1953, DePauw University	Panama, Republic of Panama
Carlton Miles Dean, Jr., A.B. 1953, Washington University	Clayton, Mo.
Peter Ellsworth Downs, A.B. 1953, Syracuse University	Southampton, N.Y.
Donald Lucien Duperré, B.S. 1950, Holy Cross College	West Englewood, N.J.
Alan Basil Echikson, A.B. 1953, Dartmouth College	South Orange, N.J.
Roger Raymond Ecker, A.B. 1953, University of Arizona	Coolidge, Ariz.
Kathryn Hawes Ehlers, A.B. 1953, Bryn Mawr College	Jamaica, N.Y.
Mervyn Leon Elgart, B.S. 1953, Brooklyn College	Brooklyn, N.Y.
Daniel Fishkoff, A.B. 1953, Cornell University	Perth Amboy, N.J.
John Andrew Gerda, A.B. 1949, Gordon College; M.A. 1951, Boston University; Ph.D. 1953, Columbia University	Trumbull, Conn.
Abdollah Solat Ghashghai, Stanford University	Ghashghai, Iran
David Gluck, A.B. 1953, Cornell University	Far Rockaway, N.Y.
Donald Peter Goldstein, A.B. 1949, Williams	Troy, N.Y.
William Howard Graff, A.B. 1953, Bowdoin College	Hawthorne, N.Y.
John Packer Hanson, A.B. 1953, Wheaton College	Ramsey, N.J.
Robert Edmund Hardy, B.S. 1953, State College of Washington	Seattle, Wash.
Edward Scott Hartmann, A.B. 1953, Columbia College	Hempstead, N.Y.
Emery Sylvester Hetrick, Jr., A.B. 1953, Ohio State University	Worthington, Ohio
Donald William Hoskins, B.S. 1953, Queens College	Whitestone, N.Y.
Harriet Anne Hughes, A.B. 1953, Cornell University	New York, N.Y.
Richard Estabrook Hunt, B.S. 1953, Trinity College	Babylon, N.Y.
Max James Kartchner, B.S. 1953, University of Arizona	St. David, Ariz.
William Andrew Kemick, A.B. 1953, Rutgers University	Irvington, N.J.
Marshall Glenn Koenig, A.B. 1953, Oberlin College	New York, N.Y.
Costas Theodore Lambrew, A.B. 1953, Wesleyan University	West Orange, N.J.

Donald Branum Lathrop, A.B. 1953, Cornell University	Plainfield, N.J.
Fred Yale Lobovsky, Cornell University	New York, N.Y.
William Thomas London, A.B. 1953, Oberlin College	Perth Amboy, N.J.
John Stephen Madaras, A.B. 1953, Holy Cross College	Bayonne, N.J.
Fred William Martens, Jr., M.E. 1949, Stevens Institute of Technology	Whitestone, N.Y.
Richard Wilson Martin, A.B. 1953, College of Wooster	Brookfield Center, Mass.
David Michael McGoldrick, A.B. 1953, Bowdoin College	Westwood, Mass.
James Carlisle McLeod, Jr., A.B. 1953, University of North Carolina	Florence, S.C.
Charles Kenneth McSherry, B.S. 1953, Fordham University	New York, N.Y.
William Walter Menninger, A.B. 1953, Stanford University	Topeka, Kans.
Robert Anthony Michalski, A.B. 1953, Cornell University	New Britain, Conn.
Irvin Donald Milowe, A.B. 1953, Columbia University	Brooklyn, N.Y.
Alfred Powell Morgan, Jr., B.E.E. 1953, Cornell University	Short Hills, N.J.
Edward Carl Muecke, A.B. 1953, Reed College	Portland, Ore.
James Anthony O'Connell, A.B. 1953, St. Peter's College	Brooklyn, N.Y.
Herbert Morton Oestreich, B.S. 1953, Massachusetts Institute of Technology	Brooklyn, N.Y.
David Anderson Ogden, A.B. 1953, Cornell University	Summit, N.J.
William Henry Plauth, Jr., A.B. 1953, Princeton University	Amityville, N.Y.
George Stewart Ray, B.S. 1950, Rutgers University	Port Washington, N.Y.
Eugene Michael Renzi, A.B. 1953, Cornell University	Watertown, N.Y.
Alan Burton Retik, A.B. 1953, Cornell University	Brooklyn, N.Y.
Peter-Cyrus Rizzo, III, B.S. 1953, Georgetown University	New Rochelle, N.Y.
Waid Rogers, A.B. 1950, Yale University	New York, N.Y.
Ronald Neil Rosenbach, A.B. 1953, Cornell University	Pittsburgh, Pa.
Edmund Otto Rothschild, A.B. 1953, New York University	New York, N.Y.
Charles Augusto Santos Buch, A.B. 1953, Harvard University	Santiago-de-Cuba, Cuba
Norman Edward Schaefer, A.B. 1949, Wagner College; M.A. 1952, Columbia University	Staten Island, N.Y.
Lawrence Scherr, A.B. 1950, Cornell University	Brooklyn, N.Y.
Anne Lardner Shannon, A.B. 1950, Goucher College	Montclair, N.J.
Theodore Shapiro, A.B. 1953, Wesleyan University	New York, N.Y.
Joyce Carolyn Shaver, A.B. 1953, Cornell University	Corning, N.Y.
Bernard Siegel, A.B. 1953, Colgate University	Tuckahoe, N.Y.
John Appling Sours, A.B. 1953, Yale University	Princeton, N.J.
Robert Malcolm Stafford, A.B. 1953, Cornell University	Urbana, Ill.
Stewart Stringfellow, B.S. 1947, Princeton	Hopedale, Mass.
Horace Reginald Taitt, New York University	Brooklyn, N.Y.
Harold Raymond Tatar, A.B. 1953, Cornell University	Gloversville, N.Y.
Donald Arthur Taylor, A.B. 1953, Columbia College	New York, N.Y.
Zygmunt Michael Tomkiewicz, A.B. 1953, Cornell University	Ithaca, N.Y.
James Carmen van Luik, B.S. 1951, Hillsdale College	Rockaway Park, N.Y.
Lawrence Joseph Werner, B.S. 1953, St. John's College	Woodhaven, N.Y.

SUMMARY

Fourth year	84
Third year	86
Second year	84
First year	82
Total	336

Register of the Medical College and Sloan-Kettering Staffs

Abrahams, Irving.....	Bacteriology & Immunology.....	53
Adair, Frank E.....	Surgery	85
Adams, Harold B.....	Pediatrics	70
Advocate, Seymour.....	Medicine	57
Akelaitis, Andrew J.....	Medicine (Neurology)	56
Allen, Arthur C.....	Sloan-Kettering (Pathology)	102
Allen, Edward B.....	Psychiatry	76
Almy, Thomas P.....	Medicine	56
Alpert, Harry.....	Psychiatry	76
Anderson, Arthur F.....	Pediatrics	70
Anderson, David.....	Anatomy	51
Ando, Richard E.....	Pediatrics	71
Antoville, Abraham A.....	Medicine	57
Applebaum, Jacob.....	Surgery	86
Araujo, Jorge.....	Medicine	59
Armstrong, William R.....	Surgery	88
Arsenault, Armand.....	Surgery	86
Artusio, Joseph F., Jr.....	Surgery	65, 85
Ashe, Barbara S.....	Pediatrics	71
Atkinson, Sam C.....	Medicine	57
Avellone, Joseph C.....	Surgery	86
Ayres, William H.....	Surgery	86
Baber, Julius J.....	Surgery	88
Baez, Silvio.....	Medicine	56
Bailey, Charles A.....	Medicine	57
Baker, David H.....	Pediatrics	71
Baldwin, Horace S.....	Medicine	56
Balensweig, Irvin.....	Surgery (Orthopedics)	85
Balis, Earl.....	Sloan-Kettering (Biochemistry)	100
Ball, Thomas L.....	Obstetrics & Gynecology	65
Barber, Joan K.....	Pediatrics	71
Barbu, Valer.....	Psychiatry	76
Barclay, Ralph K.....	Sloan-Kettering (Biochemistry)	100
Barish, Julian I.....	Psychiatry	76
Barnes, Lloyd T.....	Medicine	57
Barnes, William A.....	Surgery	85
Barnett, Henry L.....	Pediatrics	70
Barondess, Jeremiah A.....	Medicine	59
Barr, David.....	Surgery	88
Barr, David P.....	Medicine	56
Barrett, Martha J.....	Physiology	74
Baumgartner, Leona.....	Pub. Health & Prev. Med.; Pediatrics	70, 79
Beal, John M.....	Surgery	85
Beals, Robert L.....	Anatomy	51
Beer, C. T.....	Sloan-Kettering	100

Behrman, Stanley J.....	Surgery	85
Belcher, Anne M.....	Surgery	86
Belleville, John W.....	Surgery	88
Bendich, Aaron.....	Sloan-Kettering (Biochemistry)	100
Beneventi, Francis A.....	Surgery	86
Berenberg, Samuel R.....	Pub. Health & Prev. Med.; Pediatrics.....	70, 79
Berger, Lawrence.....	Physiology	74
Berkeley, Ruth P.....	Medicine	57
Berle, Beatrice.....	Medicine; Pub. Health & Prev. Med.....	57, 79
Berlin, Louis.....	Medicine	56
Berman, Mones.....	Sloan-Kettering	101
Berntsen, Carl A., Jr.....	Medicine	59
Berry, Charles M.....	Anatomy	51
Beyer, Harold.....	Sloan-Kettering (Biophysics)	101
Biesele, John J.....	Sloan-Kettering (Biology)	101
Bilisoly, Frank N., III.....	Medicine	59
Billo, Otto E.....	Pediatrics	70
Binger, Carl A.....	Psychiatry	76
Binkley, George E.....	Surgery	85
Birnbaum, Stanley J.....	Obstetrics & Gynecology	65
Bodansky, Oscar.....	Sloan-Kettering (Biochemistry)	100
Bogatko, Frances H.....	Pub. Health & Prev. Med.....	79
Bonnett, Sara A.....	Psychiatry	76
Bonsnes, Roy W.....	Biochemistry; Obs.-Gyn.....	54, 65
Bourgain, Rene-Henri.....	Medicine	59
Bowden, Lemuel.....	Surgery	86
Bowe, John J.....	Surgery	86
Boynton, Perry S., Jr.....	Obstetrics & Gynecology	65
Bradlow, H. Leon.....	Sloan-Kettering	100
Brasfield, Richard J.....	Surgery	86
Braunstein, Paul W.....	Surgery	88
Breed, Charles N., Jr.....	Surgery	86
Breen, David S.....	Surgery	88
Brethwaite, Samuel H.....	Medicine	57
Brewer, McHenry S.....	Surgery	88
Brice, Mitchell.....	Surgery	88
Brittingham, Thomas E., II.....	Medicine	57
Brodman, Keeve.....	Medicine	56
Bross, Irwin D. J.....	Pub. Health & Prev. Med	79
Brotherton, Robert J.....	Biochemistry	54
Brown, George B.....	Sloan-Kettering (Biochemistry)	100
Brown, Veronica C.....	Medicine	57
Browne-Mayers, Albert N.....	Psychiatry	76
Brunschwig, Alexander.....	Surgery	85
Brush, A. Louise.....	Psychiatry	76
Buchan, Douglas J.....	Medicine	59
Buchman, Myron I.....	Obstetrics & Gynecology	65
Buckstein, Jacob.....	Medicine	56
Buchanal, Joseph H.....	Sloan-Kettering (Medicine)	101
Burke, Crafton E.....	Medicine	58
Burke, William H.....	Obstetrics & Gynecology	65
Burkhardt, Edward A.....	Medicine	58
Burnett, Harry W.....	Radiology	83
Butler, Katharine.....	Medicine	56
Buys, Norman S.....	Surgery	88
Byers, Robert J.....	Surgery	88

Cahan, William G.....	Surgery	86
Callahan, Justin T.....	Obstetrics & Gynecology	65
Cardon, Philippe V., Jr.....	Medicine	59
Carey, Thomas I.....	Surgery	86
Carlen, Alexander.....	Psychiatry	77
Carlson, Arthur S.....	Pathology	68
Carlson, Eric T.....	Psychiatry	76
Carpenter, Walter T., Jr.....	Pediatrics	70
Carr, Henry A.....	Medicine	56
Carr, John.....	Psychiatry	77
Carter, Anne C.....	Medicine	56
Catlin, Daniel.....	Surgery	86
Cattell, McKeen.....	Pharmacology	73
Cavalieri, Liebe F.....	Sloan-Kettering (Biochemistry)	100
Cecil, Russell L.....	Medicine (Emeritus)	11
Cerruli, Remo.....	Psychiatry	77
Chaves, Aaron D.....	Pub. Health & Prev. Med.; Medicine	56, 79
Cholette, Claude.....	Surgery	87
Choucroun, Nine.....	Pub. Health & Prev. Med.	79
Christenson, William N.....	Medicine	59
Chu, Florence Chien-Hwa.....	Radiology	83
Cipollaro, Anthony C.....	Medicine (Dermatology)	56
Clapp, Paul.....	Surgery	88
Clark, Robert A.....	Surgery	86
Clarke, Donald A.....	Sloan-Kettering (Pharmacology)	101
Cleveland, Eric.....	Psychiatry	76
Clifton, Eugene E.....	Surgery	85
Coats, Edward C.....	Surgery	86
Cobb, Clement B. P.....	Pediatrics	70
Cobb, John R.....	Surgery (Orthopedics)	85
Cohen, Eugene J.....	Medicine	57
Cole, John T.....	Obstetrics & Gynecology	65
Coley, Bradley L.....	Surgery	85
Condliffe, Peter G.....	Biochemistry	54
Console, Arthur D.....	Surgery (Neurosurgery)	85
Constantine, Elizabeth F.....	Surgery	86
Conte, Alexander.....	Surgery	86
Conway, Herbert.....	Surgery	85
Cooper, Howard N.....	Psychiatry	76
Cooper, William.....	Surgery (Orthopedics)	85
Cooper, William.....	Surgery	88
Cooper, William A.....	Surgery	85
Cormia, Frank E.....	Medicine (Dermatology)	57
Cornell, Carlton M.....	Surgery	86
Cornell, George N.....	Surgery	88
Cornell, Nelson W.....	Surgery	85
Cotton, John M.....	Psychiatry	76
Cox, Denton S.....	Medicine	59
Cox, Herbert W.....	Pub. Health & Prev. Med.	79
Craig, Robert L.....	Obstetrics & Gynecology	65
Cramer, Jean H. Abel.....	Medicine	59
Craver, Lloyd F.....	Medicine	56
Craver, William L.....	Surgery	88
Crawford, David B., Jr.....	Obstetrics & Gynecology	65
Crissey, Eleanor.....	Psychiatry	76

Daniel, William W.....	Surgery	86
Daniells, Helen E.....	Psychiatry	76
Dann, Margaret.....	Pediatrics	70
Dargeon, Harold W. K.....	Pediatrics	70
Davidson, Murray.....	Pediatrics	70
Davis, Bernard D.....	Pub. Health and Prev. Med.	79
Davis, Jeff.....	Medicine	58
Davis, Marion.....	Medicine	58
Davis, William.....	Obstetrics & Gynecology	65
Day, Emerson.....	Pub. Health & Prev. Med.	79
Deans, Robert D.....	Surgery	87
Deddish, Michael R.....	Surgery	85
de Gara, Paul F.....	Pathology; Pediatrics	68, 70
DeHaven, Hugh R.....	Pub. Health & Prev. Med.	79
Denker, Peter G.....	Medicine (Neurology)	57
Dennen, Edward H.....	Obstetrics & Gynecology	65
Denues, A. R. T.....	Sloan-Kettering	101
Despert, J. Louise.....	Psychiatry	76
Diamond, Henry D.....	Medicine	57
Diamond, Monroe T.....	Medicine	58
Diehl, Carolyn H.....	Medicine	58
Diethelm, Oskar.....	Psychiatry	76
Dillon, Thomas F.....	Obstetrics & Gynecology	65
Dineen, Peter.....	Surgery	88
Dingwall, James A., III.....	Surgery	85
Dorman, Philip J.....	Physiology	74
Dougherty, John W.....	Medicine	58
Douglas, R. Gordon.....	Obstetrics & Gynecology	65
Dow, Robert L.....	Surgery	88
Draper, John W.....	Surgery (Urology)	85
Drew, J. Edwin.....	Surgery	87
Dubilier, William, Jr.....	Radiology	83
DuBois, Eugene F.....	Physiology (Emeritus)	11
DuBois, Robert O.....	Pediatrics	70
Dudley, Guilford S.....	Surgery	85
Duley, Wade.....	Surgery	87
Dunbar, Howard S.....	Surgery	86
Dunlap, Edward A.....	Surgery (Ophthalmology)	86
Dunn, William H.....	Psychiatry	76
Dunning, Henry S.....	Medicine (Neurology)	56
du Vigneaud, Vincent.....	Biochemistry	54
Dworetzky, Murray.....	Medicine	58
Dyer, Charles F.....	Surgery	88
Eckardt, Robert E.....	Medicine	58
Eckel, John H.....	Surgery	85
Edwards, Dayton J.....	Physiology (Emeritus); Sec'y of Faculty.....	9, 11
Edwards, Herbert R.....	Pub. Health & Prev. Med.	79
Egan, George F.....	Surgery	85
Egelston, DuBose.....	Surgery	88
Eggleston, Cary.....	Medicine (Emeritus)	11
Ehrenfeld, Ernest N.....	Medicine	59
Eisenbud, Mark.....	Medicine	60
Eliasberg, Helene	Pediatrics	70
Ellis, John T.....	Pathology; Surgery	68, 86
Ellison, Rose-Ruth.....	Sloan-Kettering	102

Elmendorf, DuMont F., Jr.....	Medicine	60
Engle, Mary A.....	Pediatrics	70
Engle, Ralph L., Jr.....	Medicine	57
Epstein, Nathan.....	Pediatrics	70
Erdman, Albert J., Jr.....	Medicine	57
Erhlich, Albert.....	Pathology	68
Escher, George C.....	Sloan-Kettering	102
Etz, Samuel I.....	Obstetrics & Gynecology	66
Evans, John A.....	Radiology	83
Evarts, Edward V.....	Psychiatry	76
Ewing, James H.....	Pub. Health & Prev. Med.	79
Falk, Emil A.....	Medicine	58
Farmer, Lawrence.....	Medicine	58
Farr, Hollon W.....	Surgery	86
Farrar, Holden K.....	Obstetrics & Gynecology	66
Farrell, Frank W.....	Surgery	87
Farrow, Joseph H.....	Surgery	86
Fath, Robert B.....	Medicine	58
Feder, Aaron.....	Medicine	57
Ferguson, Frank C., Jr.....	Pharmacology	73
Ferguson, G. Renee.....	Psychiatry	76
Fiedler, George A.....	Surgery (Urology)	86
Fincher, Esther.....	Medicine	60
Fink, Austin I.....	Surgery	87
Finn, William F.....	Obstetrics & Gynecology	65
Fitzgerald, Patrick.....	Sloan-Kettering (Pathology)	102
Fjelde, Audrey.....	Sloan-Kettering	101
Flandreau, Richard H.....	Surgery	88
Fleetwood, M. Freile.....	Psychiatry	76
Fleischmann, Edgar P.....	Surgery	87
Flores, Arturo.....	Psychiatry	77
Focht, Elizabeth F.....	Radiology (Physics)	83
Foley, William T.....	Medicine	57
Foot, N. Chandler.....	Surgical Pathology (Emeritus)	11
Foote, Frank W., Jr.....	Sloan-Kettering (Pathology)	102
Foote, Franklin M.....	Pub. Health & Prev. Med.	79
Forkner, Claude E.....	Medicine	56
Fox, Clifford H.....	Obstetrics & Gynecology	65
Fraad, Lewis M.....	Pediatrics	70
Franklin, John E.....	Pediatrics	70
Fraser, Alan W.....	Psychiatry	76
Frazell, Edgar L.....	Surgery	86
Freemond, Alan S.....	Surgery	88
Freund, Jules.....	Pathology	68
Freyberg, Richard H.....	Medicine	56
Friend, Charlotte.....	Sloan-Kettering	101
Friess, Constance.....	Medicine	57
Fukushima, David K.....	Sloan-Kettering (Biochemistry)	100
Fuller, George R.....	Physiology	74
Fulton, Lyman A.....	Medicine	58
Gabel, Milton.....	Surgery	87
Gallagher, Thomas F.....	Sloan-Kettering (Biochemistry)	100
Garb, Solomon.....	Pharmacology	73
Garrick, Thomas J.....	Surgery	87

Gause, Ralph W.....	Obstetrics & Gynecology	65
Genghof, Dorothy S.....	Biochemistry	54
Genvert, Harold.....	Surgery	86
Geohagan, William A.....	Anatomy	51
Gepfert, Randolph.....	Obstetrics & Gynecology	65
Gersh, Marvin J.....	Pediatrics	70
Gerson, Martin J.....	Psychiatry	76
Gerster, John C. A.....	Surgery	86
Gibbons, John Martin.....	Medicine	58
Gilder, Helena.....	Biochemistry; Surgery	54, 86
Gilmore, James.....	Obstetrics & Gynecology	66
Gilroy, Francis J.....	Medicine	58
Given, William P.....	Obstetrics & Gynecology	65
Glassman, Oscar.....	Obstetrics & Gynecology	65
Glenn, Frank.....	Surgery	85
Glynn, Martin J.....	Pediatrics	70
Goebel, David.....	Medicine	60
Goff, Alvin H.....	Psychiatry	77
Gold, Harry.....	Pharmacology	73
Goldberg, Henry P.....	Pediatrics	70
Goldstein, Gilbert.....	Sloan-Kettering	100
Goldstein, Oscar E.....	Medicine	58
Goodell, Helen.....	Medicine	59
Goodman, Morris.....	Pediatrics	71
Goodridge, Malcolm.....	Medicine (Emeritus)	11
Goodyear, Stephen.....	Psychiatry	76
Gordon, Dan M.....	Surgery (Ophthalmology)	86
Gordon, Leonard I.....	Pediatrics	71
Goulet, Anita H.....	Surgery	88
Grace, William J.....	Medicine	56
Gray, James G.....	Surgery	88
Greaves, Donald C.....	Psychiatry	76
Greeley, Arthur V.....	Obstetrics & Gynecology	65
Green, James L.....	Surgery	87
Greenacre, Phyllis.....	Psychiatry	76
Greenberg, Sidney M.....	Medicine	57
Greene, Theodore C.....	Anatomy	51
Greenspan, Waldo.....	Medicine	60
Greif, Roger L.....	Physiology	74
Gruber, Ellis.....	Surgery	88
Guenard, Eugene J.....	Surgery	87
Guion, Connie M.....	Medicine (Emeritus)	11
Guthrie, Keith O., Jr.....	Medicine	58
Guthrie, Robert.....	Sloan-Kettering	101
Hadley, Susan J.....	Medicine	57
Hagamen, Wilbur D.....	Anatomy	51
Hall, Theodore.....	Sloan-Kettering	101
Hamilton, Charles M.....	Surgery	88
Hamilton, Francis J.....	Psychiatry	76
Hanlon, Lawrence W.....	Assistant Dean; Anatomy	9, 51
Hansson, Kristian G.....	Surgery (Physiotherapy)	85
Haralambie, James Q.....	Pediatrics	70
Harland, Margaret.....	Sloan-Kettering	101
Harrar, James A.....	Obstetrics & Gynecology (Emeritus)	11
Harrington, Helen.....	Pediatrics	70

Harris, Richard L.....	Psychiatry	76
Harrison, Charles S.....	Surgery	87
Harrison, James S.....	Surgery	87
Harrold, Charles C., Jr.....	Surgery	87
Hatterer, Lawrence J.....	Psychiatry	77
Hauser, Edwin T.....	Medicine	56
Hauser, Louis A.....	Medicine	58
Hausman, Louis.....	Medicine (Neurology)	56
Havens, Leston L.....	Medicine	60
Hays, Daniel M.....	Surgery	87
Hays, David S.....	Medicine	58
Hehre, Edward J.....	Bacteriology & Immunology	53
Heimoff, Leonard L.....	Medicine	58
Hellman, Leon D.....	Sloan-Kettering (Medicine)	101
Helper, Helen N.....	Pediatrics	70
Helpern, Herman G.....	Medicine	58
Helpern, Milton.....	Medicine; Pathology	57, 68
Henley, Elaine D.....	Medicine	59
Henley, Thomas F.....	Psychiatry	77
Henry, George W.....	Psychiatry	76
Hersh, Alexander.....	Surgery	88
Hetzel, Basil S.....	Medicine	59
Higinbotham, Norman L.....	Surgery	86
Hill, Malcolm R.....	Surgery	88
Hinkle, Lawrence E., Jr.....	Medicine	57
Hinsey, Joseph C.....	Director	7
Hirsch, Robert L.....	Pathology	68
Hobson, Lawrence B.....	Medicine	58
Hochstein, Elliot.....	Medicine	57
Holden, Jack.....	Surgery	88
Holman, Cranston W.....	Surgery	85
Holman, James M.....	Surgery	87
Holmquist, Nelson D.....	Pathology	68
Holt, Evelyn.....	Medicine	57
Hood, Claude I.....	Pathology	68
Hood, Henry L.....	Surgery	88
Hooker, Russell H.....	Surgery	87
Hopper, Mary Ellen.....	Medicine	59
Horger, Eugene L.....	Medicine	58
Horwith, Melvin.....	Medicine	59
Houde, Raymond W.....	Sloan-Kettering (Medicine)	101
Howe, Suzanne A. L.....	Surgery	87
Huebner, Robert D.....	Medicine	58
Hughes, John H.....	Psychiatry	77
Humphreys, Gustavus A.....	Surgery (Urology)	86
Hunt, Frederick C.....	Pediatrics	70
Hurtado, Arnold V.....	Medicine	60
Hutchison, Dorris J.....	Sloan-Kettering	101
Hynes, Frank J.....	Surgery	87
Isenhour, Albert P.....	Surgery	88
Jacobsen, Leif Y.....	Medicine	58
Jameison, Gerald R.....	Psychiatry	76
Janulis, Peter T.....	Psychiatry	77
Jaspin, George.....	Radiology	83

Javert, Carl T.....	Obstetrics & Gynecology	65
Jensen, D. Rees.....	Surgery	86
Johnson, Donald G.....	Obstetrics & Gynecology	65
Johnson, George, Jr.....	Surgery	88
Johnson, Scott.....	Medicine	58
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SUMMARY OF MEDICAL COLLEGE STAFF

Full Professors	40
Associate Professors	98
Assistant Professors	188
Instructors, Assistants, etc.	443
Total	769

SUMMARY OF SLOAN-KETTERING DIVISION STAFF

Full Professors	11
Associate Professors	12
Assistant Professors	21
Instructors, Assistants, etc.	34
Total	78